

ContentBox.js AI Assistant

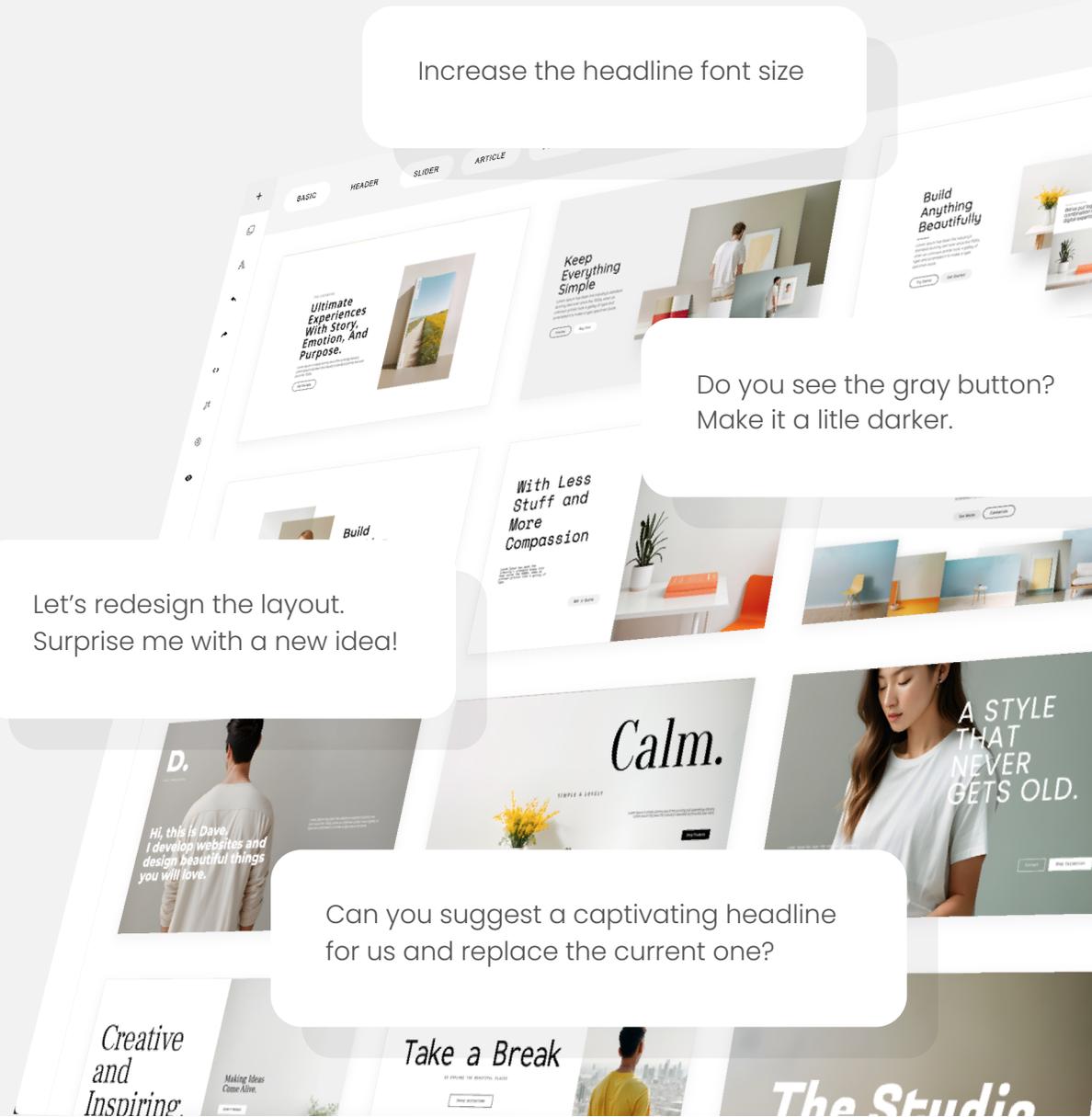
An AI Assistant for ContentBox.js,
allowing you to build web content by
typing or speaking commands.

Increase the headline font size

Do you see the gray button?
Make it a little darker.

Let's redesign the layout.
Surprise me with a new idea!

Can you suggest a captivating headline
for us and replace the current one?



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Introduction

The ContentBox.js AI Assistant works in a collaborative manner with designers. Unlike a single prompt generating a full site with predefined styles, the AI Assistant aims to complement the designer's ideas and preferences. During the design process, the assistant can offer suggestions, generate layout ideas or styles, and assist with specific tasks.

Do you see the gray button?
Make it a little darker.

Let's redesign the layout.
Surprise me with a new idea!

Increase the headline font size

Underline the phrase 'every
monday' please.

Change the section
background color to light green

Create a new section with a 300-word
article about outdoor activities,
including various subtopics.

Can you suggest a captivating
headline for us and replace the
current one?

Getting Started

Note: To quickly get started with trying the AI Assistant, please refer to the next section 'Running the Example'.

To enable the AI Assistant feature in ContentBox.js, follow these steps:

1. Obtain an OpenAI API key from openai.com.
2. Specify the **sendCommandUrl** parameter in your ContentBox initialization:

```
const builder = new ContentBox({
  wrapper: '.is-wrapper',
  sendCommandUrl: 'path/to/sendcommand'
});
```

The **sendCommandUrl** requires a simple server-side handler/endpoint to work with the OpenAI API. You can implement the handler using any server-side environment, such as Node.js, PHP, .NET, etc. Examples using Node.js and PHP are provided below (see the **Server Side Handler** section). The OpenAI Key will be used in this handler.

3. Add a button on the sidebar to open the AI Assistant panel:

```
builder.addButton({
  'pos': 8,
  'title': 'AI Assistant',
  'html': '<svg class="is-icon-flex"><use xlink:href="#icon-microphone"></use></svg>',
  'onClick': (e)=>{
    builder.openAIAssistant();
  }
});
```

Running the Example

Note: To run the example, you need to have NPM installed. (Download & install NPM from <https://nodejs.org/en/download/>).

To run the example:

1. navigate to the project folder in the terminal and install the dependencies:

› **npm install**

2. Obtain an OpenAI API key from openai.com. Then, update the **.env** file with your OpenAI API Key.

3. Start the project:

› **npm start**

A browser window will open with the example running.

UI & Features

Button to open AI Assistant

AI Toolbar

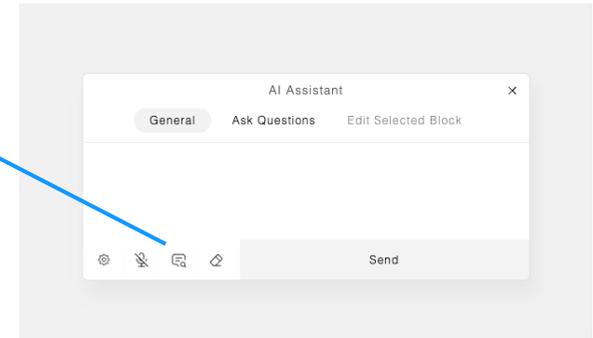
The screenshot displays a design tool interface for editing a webpage layout. The main content area features a two-column layout with two landscape photographs of a person looking out over a bay. Below the photos is a text block with the byline "Written by David Anderson" and a paragraph of text. A large heading "Nature" is positioned at the bottom right of the text area. The interface includes a vertical toolbar on the left with various editing icons, a top toolbar with a plus sign and other icons, and a floating AI Assistant panel in the bottom right corner. The AI Assistant panel has tabs for "General", "Ask Questions", and "Edit Selected Block", and contains a text input field with the prompt "Let's redesign the layout. Surprise me with a new idea!" and a "Send" button.

AI Assistant panel

Command Examples

The AI Assistant panel includes a 'Command Examples' button that displays a list of example commands, providing a starting point for inspiration. Simply click on a command to try it out, and it will appear in the AI Assistant textbox. You can also modify the command before clicking "send" to execute it.

Command Examples button

A screenshot of the Command Examples panel. The panel is titled 'General' and contains a grid of 12 example commands. Below the grid is a section titled 'Ask Questions or Request Information' with 4 more example commands. The commands are as follows:
General
1. Create a section that contains an article on ideas for outdoor activities. The article should include subtopics and have a minimum of 300 words.
2. Can you suggest a captivating headline for us and replace the current one?
3. Revise the headline, paragraph, and all the text using alternative ideas.
4. Let's redesign the layout. Surprise me with a new idea!
5. Add a new header section for our web studio. Include a compelling headline, a paragraph, and two buttons named 'Our Works' and 'Get in Touch'. Also, add a background image.
6. Create a section containing a feature list of our wood cabin for rent:
- Scenic forest view
- Modern comforts
- Outdoor escape
Add an icon for each list item.
7. Add a section highlighting the features of our creative arts courses:
- Hands-on projects
- Guidance from experts
Add an image for each feature.
8. Create a new section showcasing a photo gallery of our latest photography workshop. Includes up to 3 photo placeholders.
9. Do you see the button with a gray background? Please change the background color to light green.
10. Underline the phrase 'every monday' and change the color to dark blue.
Ask Questions or Request Information
11. Provide well-researched information about bookstores in the Melbourne city area that offer collections of classic titles. Include specific details.
12. Can you explain the process of baking a classic chocolate cake from scratch?
13. Give me a list of effective home workouts for beginners without any equipment.
14. Provide me with a 10-hour plan for learning practical data science.

Assistant Modes

The AI Assistant has three different modes:

- **General (default)**
Used for designing or editing commands.
- **Ask Questions (or request information)**
Used for commands that are not related to designing and editing.
- **Edit Selected Block**
This mode allows you to specifically target the selected block for editing, providing more precise results.

Examples:

General:

"Add a new header section for our web studio. Include a compelling headline and a call-to-action button."

"Can you suggest a captivating headline for us and replace the current one?"

Typically, using the 'General' mode is sufficient for editing and designing. The 'Edit Selected Block' mode commands can also work within the 'General' mode. However, by specifically selecting the block you wish to edit in this mode, the results can be more precise and faster.

Ask Questions:

"Can you explain the process of baking a classic chocolate cake from scratch?"

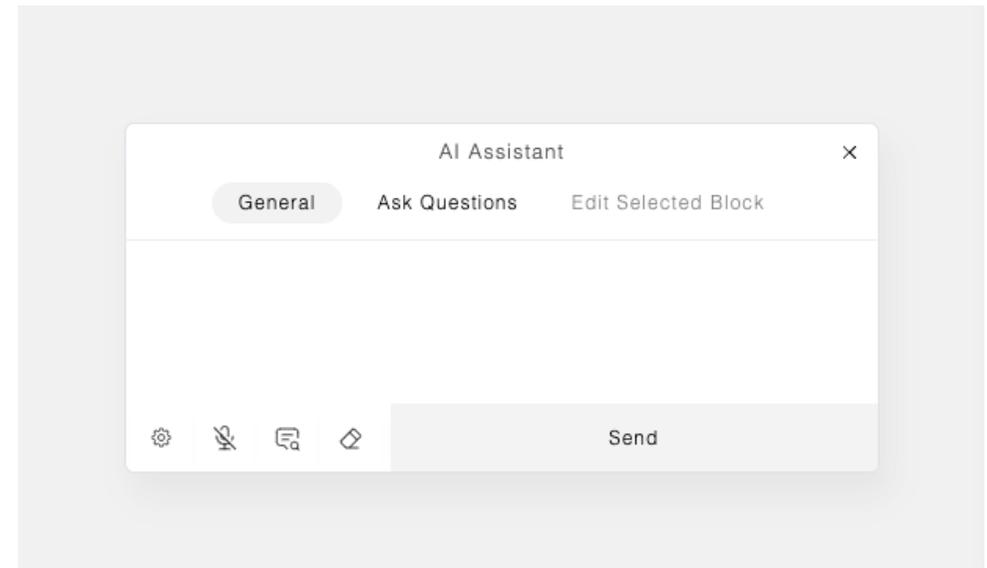
"Provide me with a 10-hour plan for learning practical data science."

The 'Ask Questions' mode enables the AI Assistant to focus on the quality of answers. The results will be written in a new section. This feature can help you create blog posts or other informative content.

Edit Selected Block:

"Increase the space between the title and the paragraph."

"Enhance the content by including introductory paragraphs after the title."



Here are some examples and their sample results.

Command:

Create a section that highlights our AI-powered web solutions. Include an attention-grabbing headline, an engaging paragraph, an image, and a compelling call-to-action button.

Sample Result:

The screenshot displays a web editor interface with a central content block. The content block features a headline, a paragraph, an image of a woman, and a call-to-action button. A sidebar on the left contains various editing tools. A small preview window on the bottom left shows a thumbnail of the content. An 'AI Assistant' chat window on the bottom right contains the original command text.

Revolutionize your web presence with AI-powered solutions.

Our AI-integrated web solutions combine the latest advancements in artificial intelligence with cutting-edge web development techniques. We empower businesses to enhance their online presence and drive growth by leveraging the power of AI.

[Learn More](#)

AI Assistant

General Ask Questions Edit Selected Block

Create a section that highlights our AI-powered web solutions. Include an attention-grabbing headline, an engaging paragraph, an image, and a compelling call-to-action button.

Send

Command: Provide well-researched information about the Kangaroo Island, its wildlife, and natural reserves.

This command is unrelated to editing or designing, so we use the **Ask Questions** mode here for greater specificity. This can enhance the quality of the result.

Sample Result:

The screenshot shows a Notion page titled "Kangaroo Island" with the following content:

Kangaroo Island

Kangaroo Island is the third-largest island in Australia and is located off the coast of South Australia. It is known for its diverse wildlife, stunning landscapes, and natural reserves. Here is some well-researched information about Kangaroo Island and its unique features:

Wildlife

Kangaroo Island is home to a wide range of wildlife species, many of which are not found on mainland Australia. Some of the iconic animals include kangaroos, wallabies, echidnas, koalas, and possums. The island is also known for its population of endangered species, such as the Kangaroo Island dunnart and the glossy black-cockatoo.

Flinders Chase National Park

This national park is one of the main attractions on Kangaroo Island. It covers an area of approximately 326 square kilometers and features diverse ecosystems including rugged coastlines, pristine beaches, and dense forests. Within the park, visitors can explore iconic landmarks like Remarkable Rocks, Admirals Arch, and the Cape du Couedic lighthouse.

Seal Bay Conservation Park

This park is renowned for its colony of Australian sea lions. Visitors can take guided tours to observe these fascinating creatures in their natural habitat. It offers a unique opportunity to get up close to the sea lions and learn about their behavior and conservation efforts.

Flinders Chase National Park's Wilderness Trail

This 61-kilometer hiking trail takes visitors through some of Kangaroo Island's most scenic landscapes, including rugged cliffs, dense forests, and pristine beaches. The trail offers a unique opportunity to immerse oneself in the island's natural beauty and observe its diverse wildlife.

Kangaroo Island Wildlife Park

This park serves as a refuge for injured and orphaned wildlife. Visitors can interact with kangaroos, koalas, and other native animals, and even have the opportunity to hold a koala. The park also offers a guided tour to wildlife.

An AI Assistant chat window is open in the bottom right corner, showing the "Ask Questions" mode selected. The chat input contains the command: "Provide well-researched information about the Kangaroo Island, its wildlife, and natural reserves." The chat output shows a response: "Provide well-researched information about the Kangaroo Island, its wildlife, and natural reserves. The trail offers a unique opportunity to immerse oneself in the island's natural beauty and observe its diverse wildlife." A blue arrow points from the text "Ask Questions mode is selected" to the "Ask Questions" tab in the chat window.

Ask Questions mode is selected

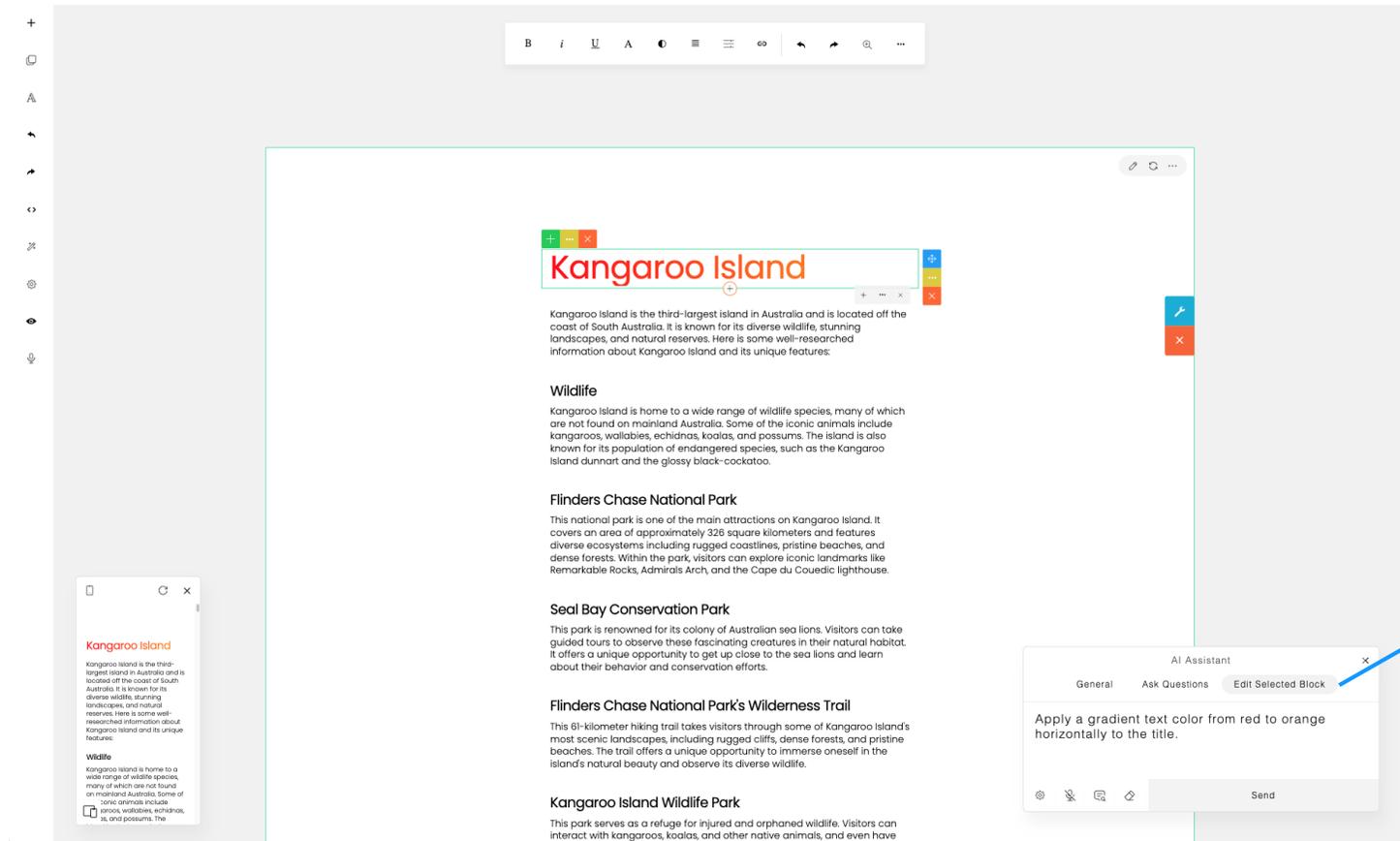
Note that you can also use the **General** mode and compare the differences.

Command:

Apply a gradient text color from red to orange horizontally to the title.

Now, we wish to apply a gradient text color to the title. For increased specificity, select the title block and use the **Edit Selected Block** mode. This approach can yield faster results compared to using the **General** mode.

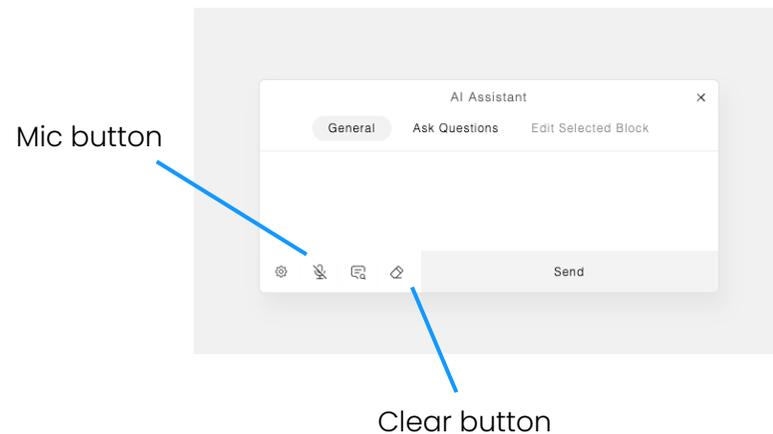
Sample Result:



Edit Selected Block mode is selected

Dictation

To enable dictation and speak your command, you need to enable the microphone. Click on the Mic button to toggle dictation on or off. By default, the dictation feature is turned off.



There are specific words that you can speak to trigger certain actions:

- To send your command, you can say: 'send', 'okay', 'execute', or 'run'.
- To abort, you can say: 'abort' or 'cancel'.
- To clear your command, you can say: 'clear' or 'erase'.

These trigger words can be configured by setting the **triggerWords** parameter. You can also specify the default language for dictation by setting the **speechRecognitionLang** parameter. The default value is 'en-US'. For more information, please refer to the 'Options' section.

Send

Okay

Abort

Cancel

Clear

Dictation feature requires the browser's built-in speech recognition. When enabling dictation, you will need to allow the page to access the microphone.

Please be aware that certain browsers may not support speech recognition. If your browser does not support it, you will be unable to use the dictation feature. However, you can still type your command.

For browser compatibility and accuracy, we recommend using Deepgram (deepgram.com) for speech recognition instead of relying on the browser's built-in function.

We have included a working example of using Deepgram in the package. To run the example, navigate to the project folder in the terminal and install the dependencies first by executing this command:

> npm install

Update the **.env** file with your OpenAI API Key and Deepgram API Key.

Then start the project:

> npm start

A browser window will open with the example running.

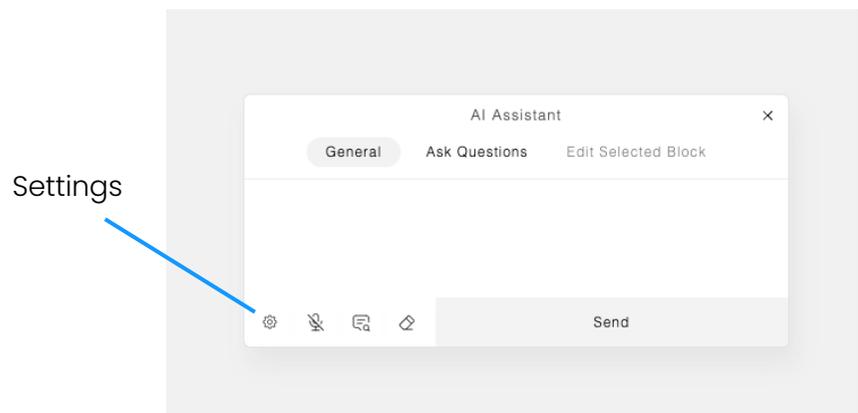
Note:

To run the example, you need to have NPM installed. (Download & install NPM from <https://nodejs.org/en/download/>).

For more information, please refer to the **readme.txt** file in the package.

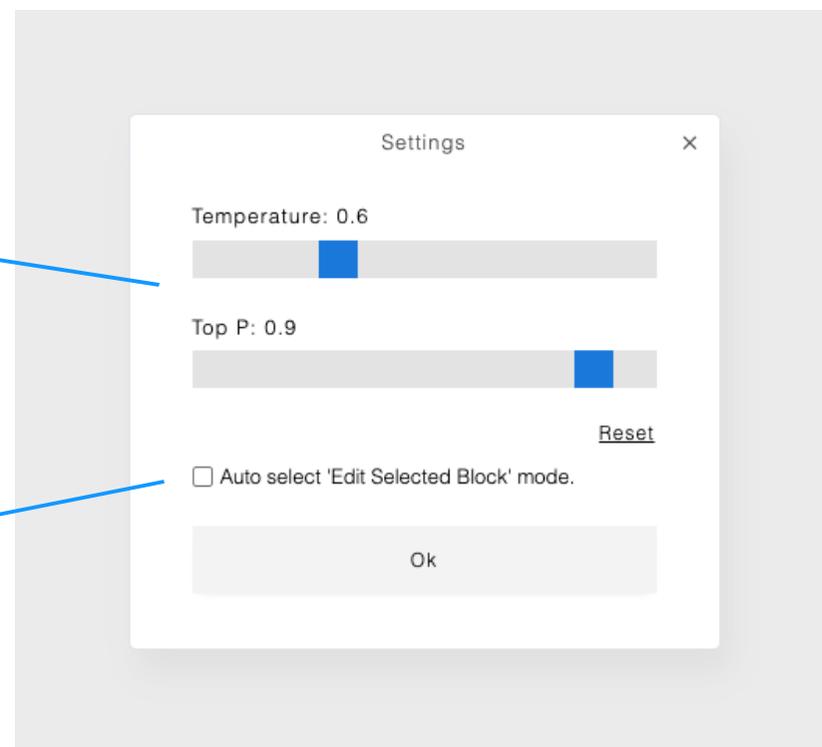
Settings

The Settings dialog can be opened by clicking the “Settings” button on the AI Assistant panel.



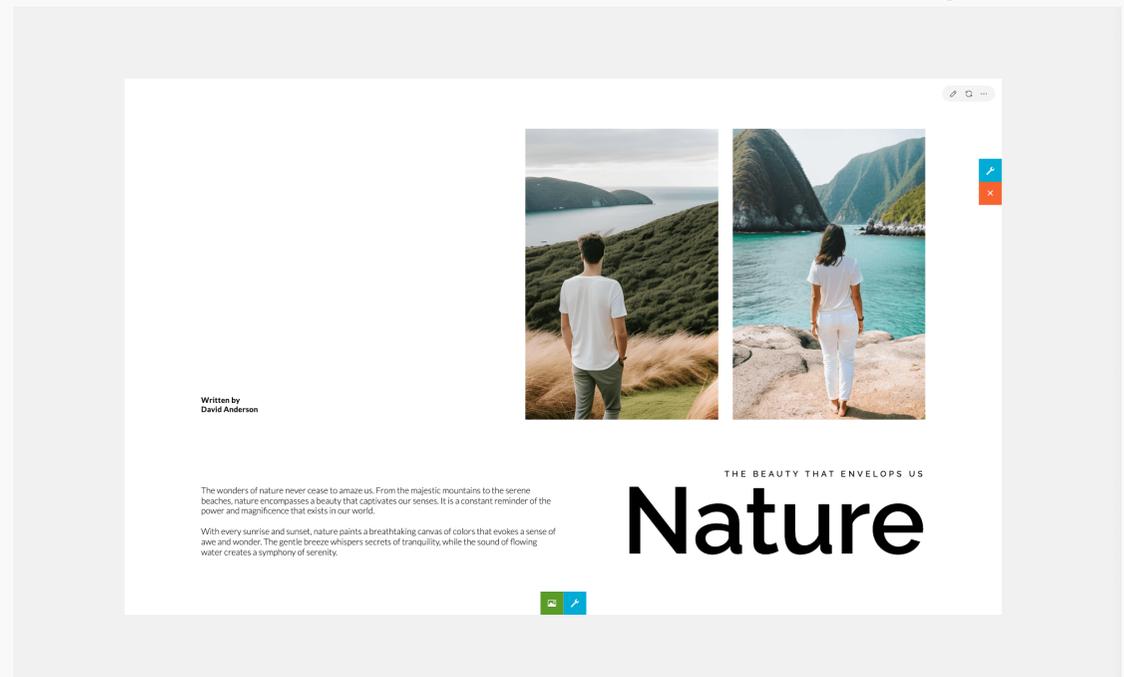
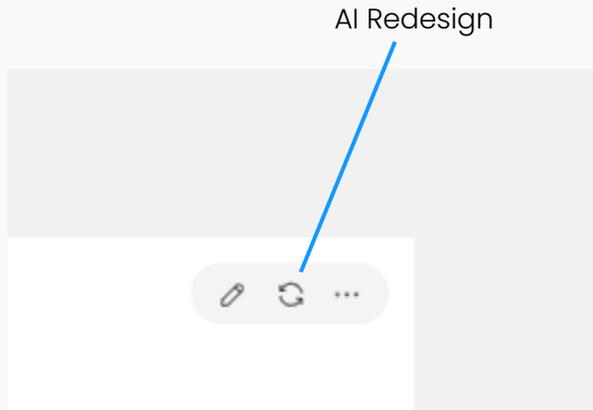
The dialog contains Temperature and Top P settings, which will be used by the AI Assistant to control the creativity and relevance of the generated results. For further information, please refer to the “Options” section in this document.

If you check the “Auto select ‘Edit Selected Block’ mode” option, then when you click a block, the ‘Edit Selected Block’ mode will automatically activate. You can then modify the block content using your commands.



AI Redesign

The AI Toolbar features an AI Redesign button.

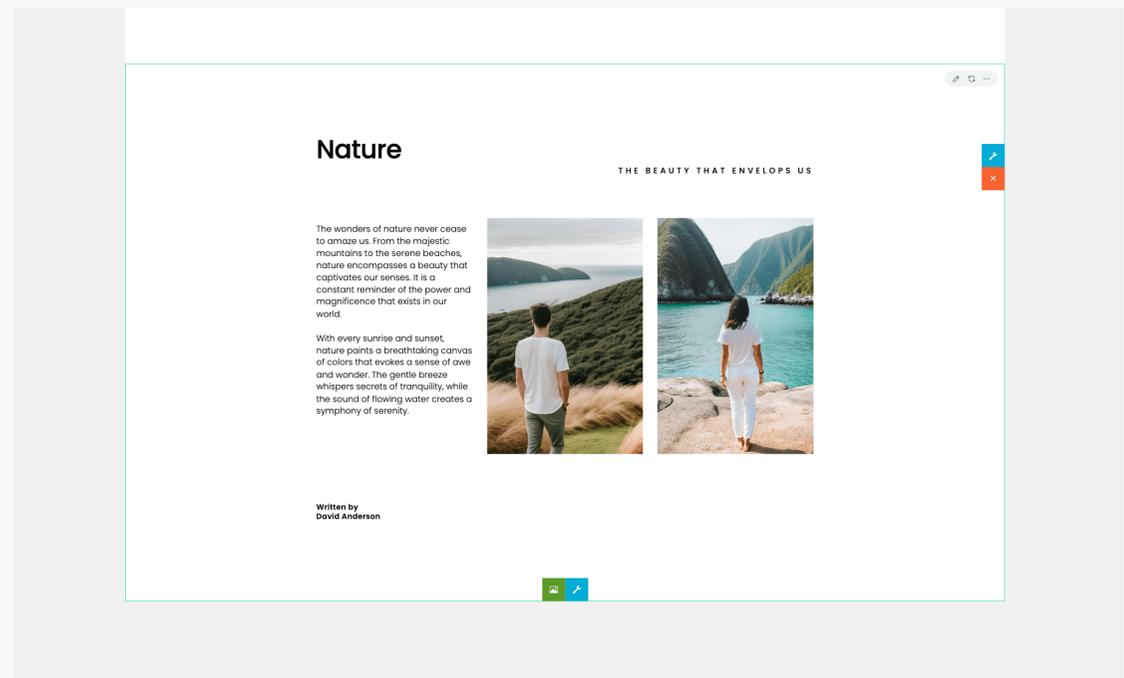


AI Redesign functionality allows you to redesign a section with a single click, eliminating the need to write a prompt or command. With this feature, you can generate different layout ideas to consider.

Try redesigning a section multiple times to get many different layouts and styles, then you can choose the one that best suits your preferences

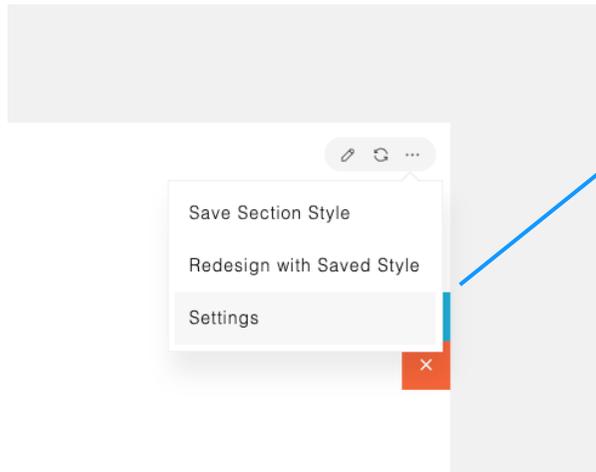
The redesigned section does not overwrite the current one; rather, it creates an entirely new section, allowing you to conveniently compare it with the original.

Redesigned section



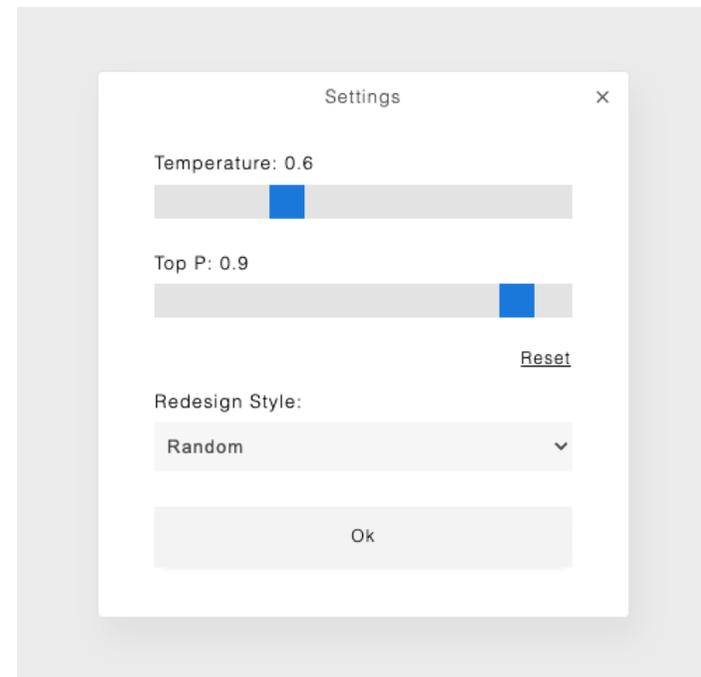
Redesign Style

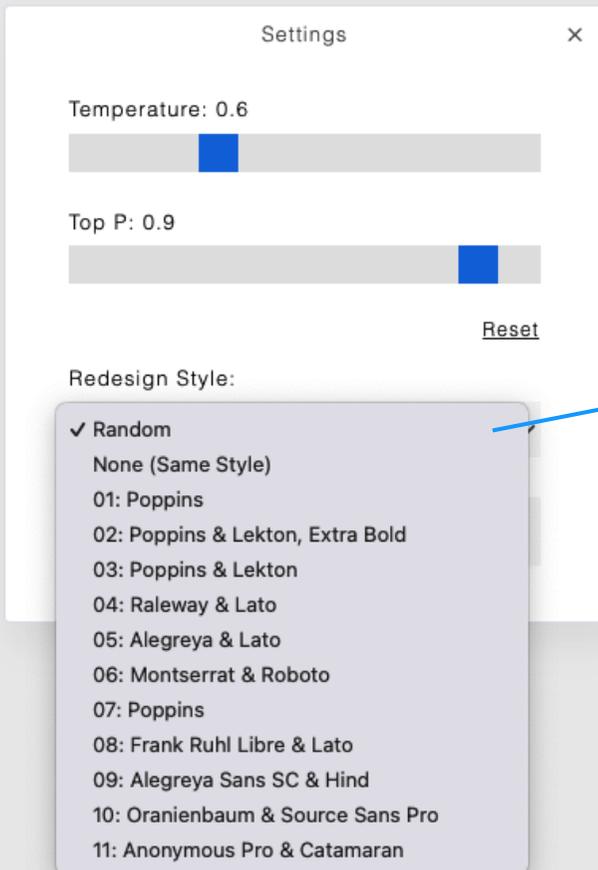
The AI Redesign functionality offers the option to customize its behavior using specific styles.



To access this feature, click the **More** button on the AI Toolbar, and from the dropdown menu, select **Settings**.

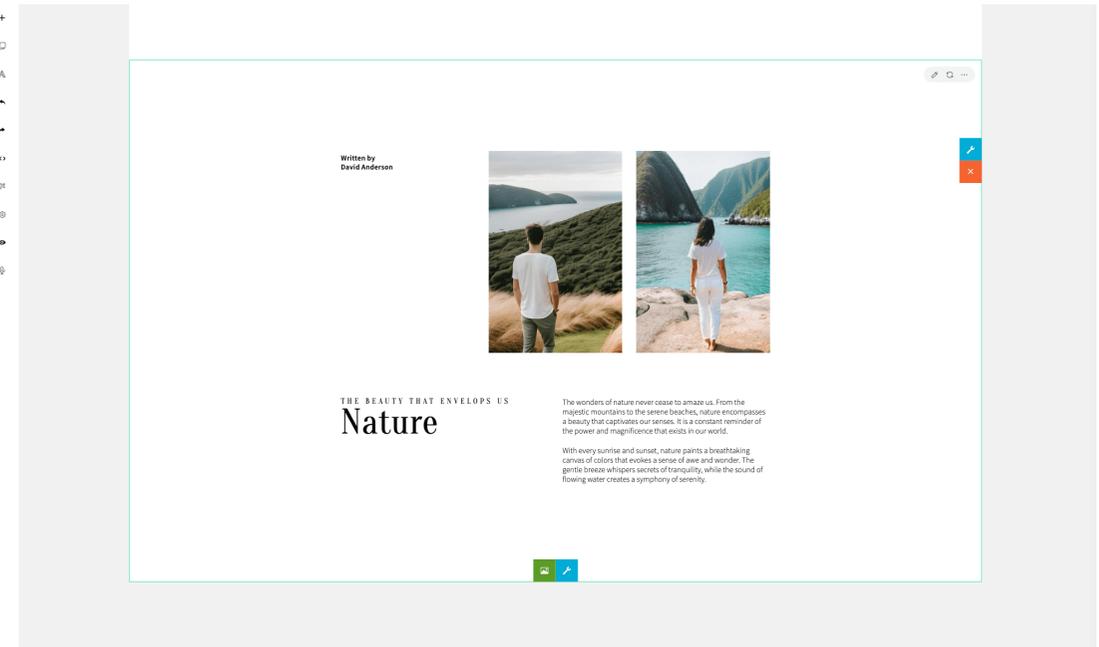
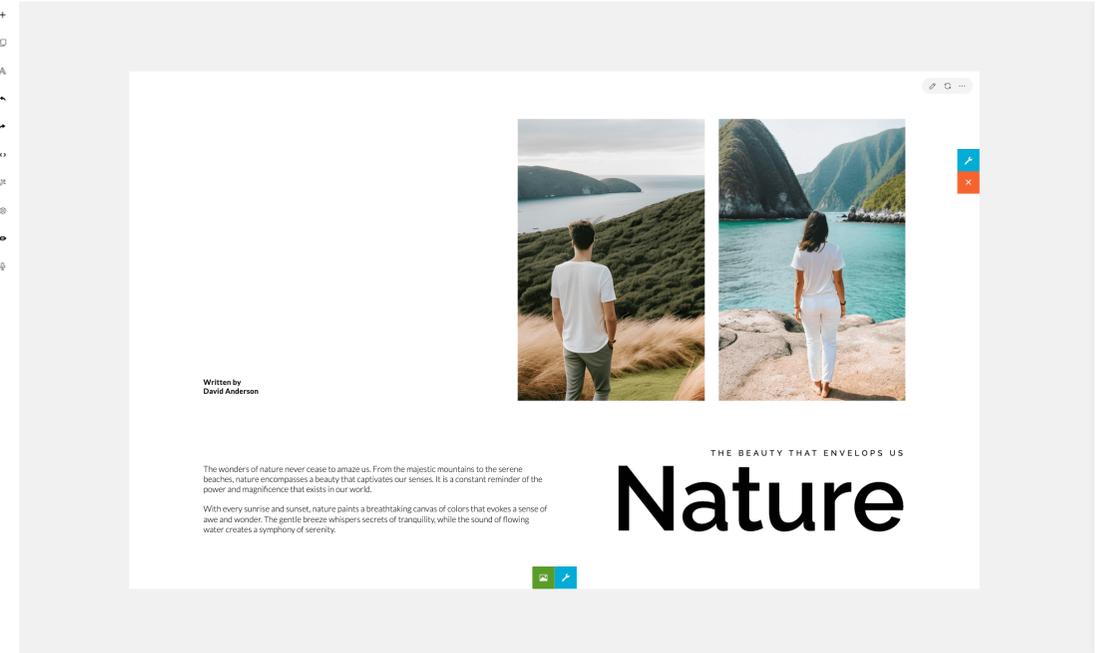
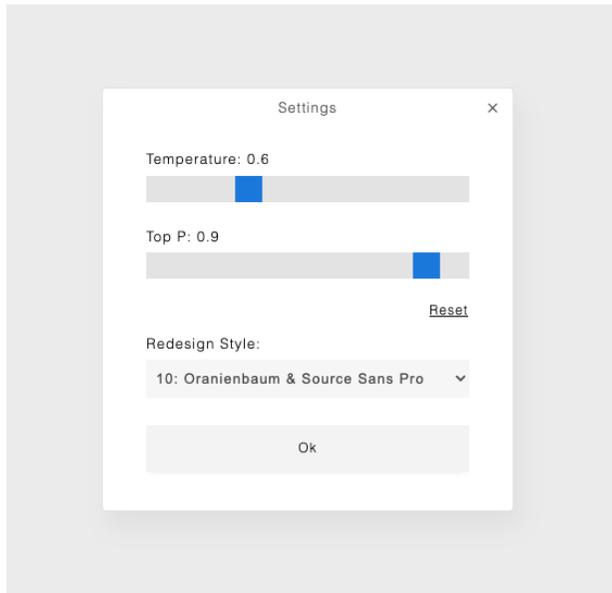
The Settings dialog will appear.





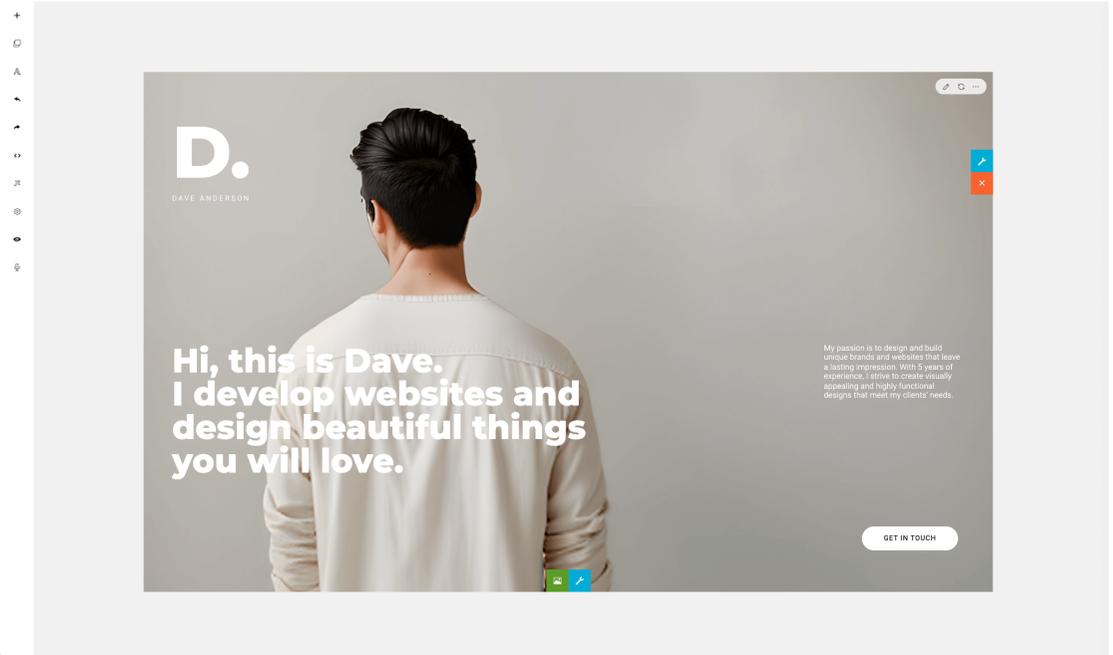
Within the Settings dialog, you'll find the **Redesign Style** dropdown, which displays the default value of **Random**. This implies that when redesigning a section, the AI will randomly apply one of eleven predefined styles (style 01 to 11) to the section. However, if you prefer to maintain the same style as the current section, you can opt for **None (Same Style)**.

You can try choosing a specific style to see its impact on the redesigned result. For example, here is the redesign result when applying the style **10: Oranienbaum & Source Sans Pro**.

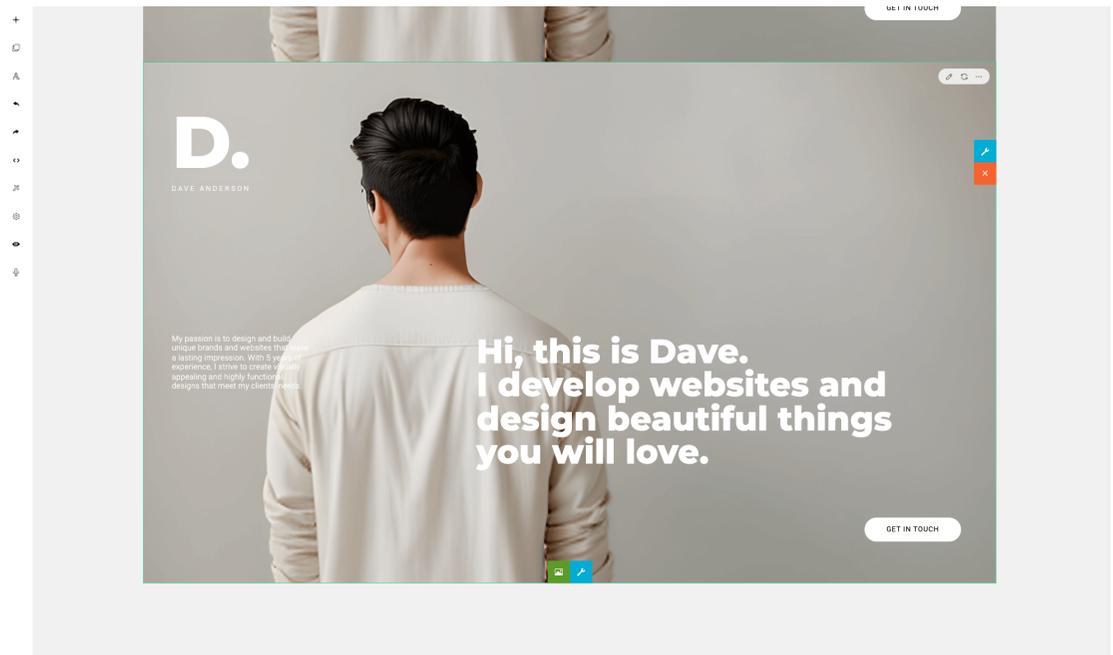


Original section

If you only seek layout ideas without applying any specific style, choose **None (Same Style)**. The following example showcases the result.

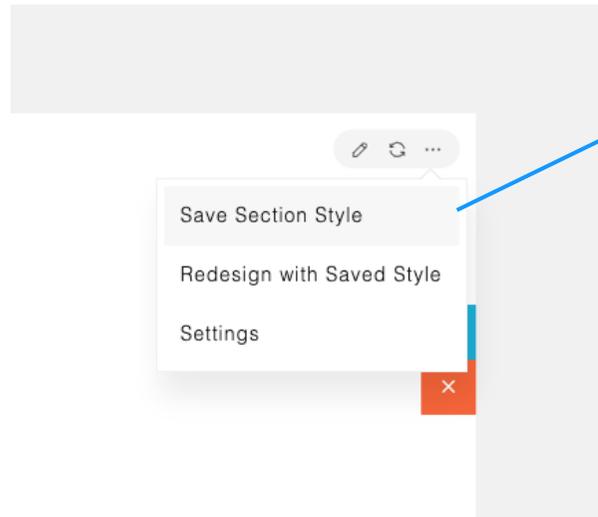


Redesigned result



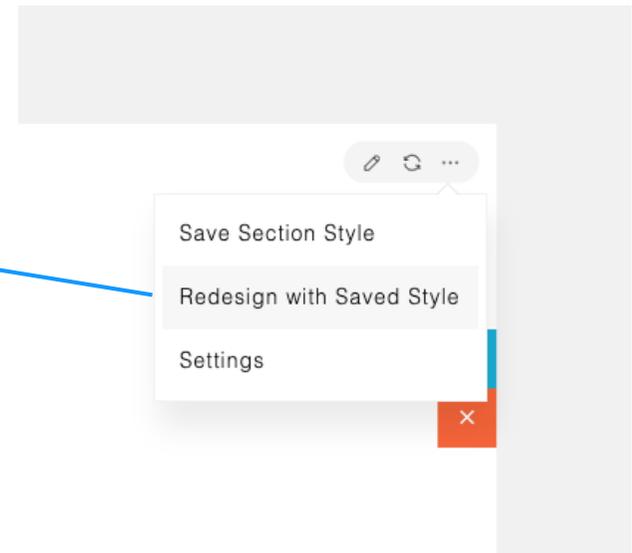
Using Any Section as a Redesign Style

If you find a certain section's design appealing and wish to apply its style to redesign another section, you'll need to save the section's style first.

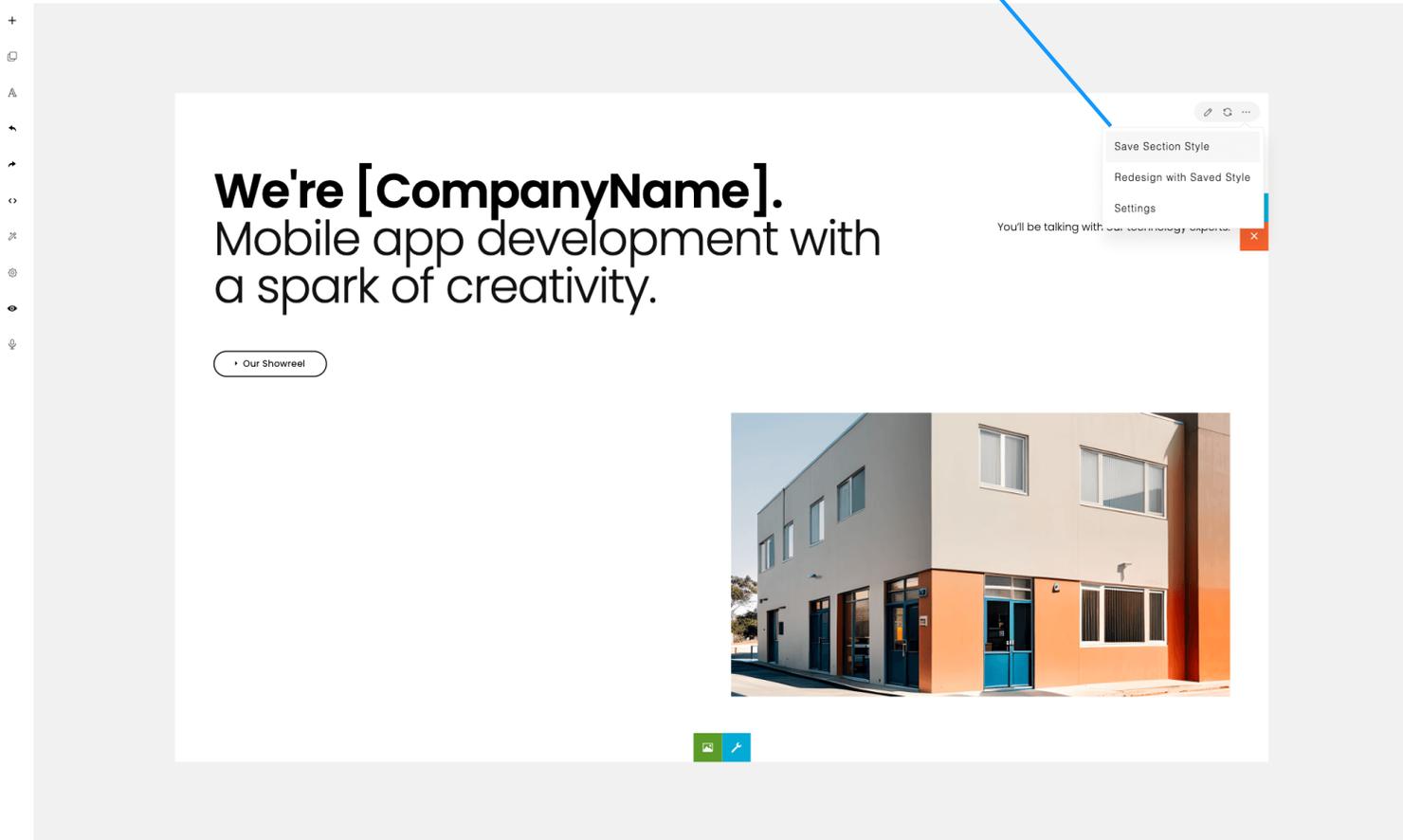


Open the dropdown and select **Save Section Style**.

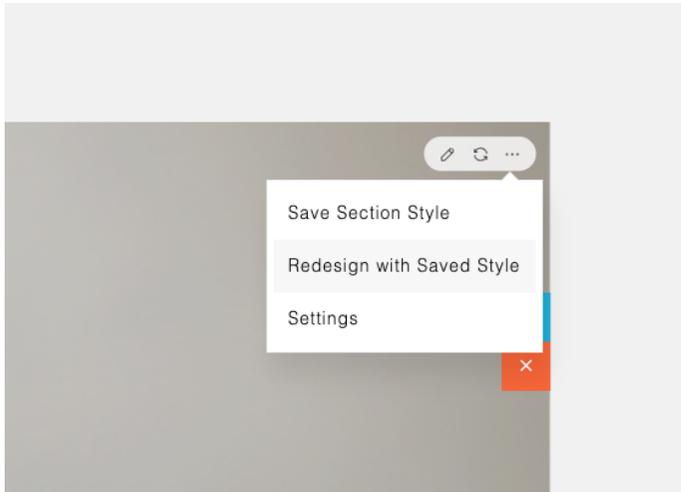
Next, choose the **Redesign with Saved Style** option from the dropdown for the section you want to redesign.



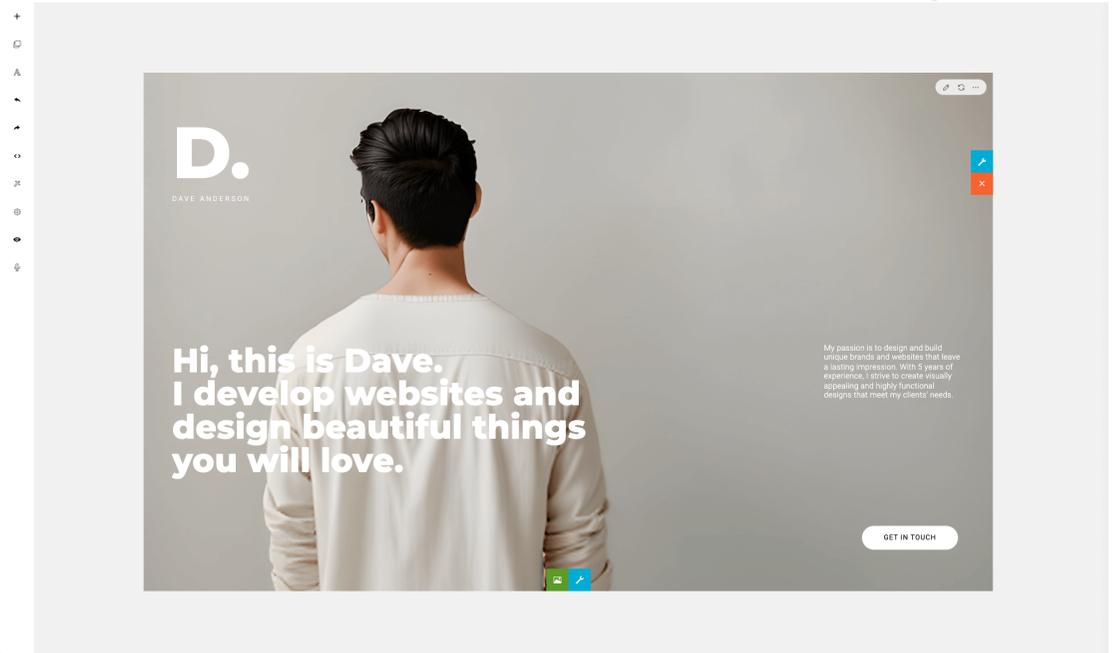
For example, here we save a section style.



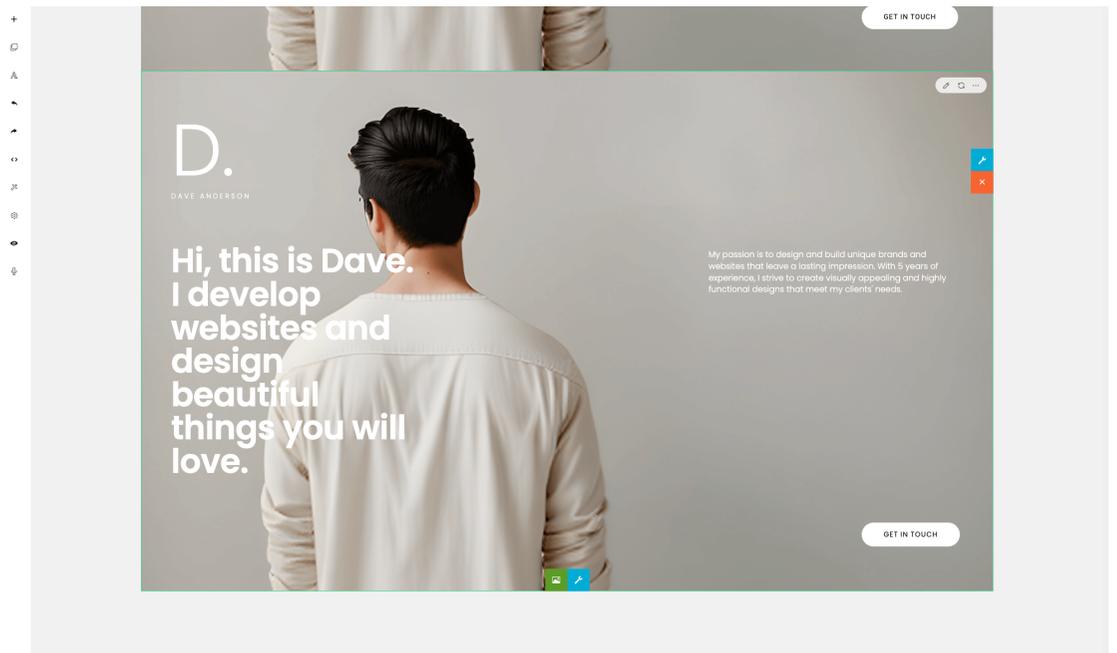
Then, we can use the saved style to redesign a section.



Original section



Redesigned result

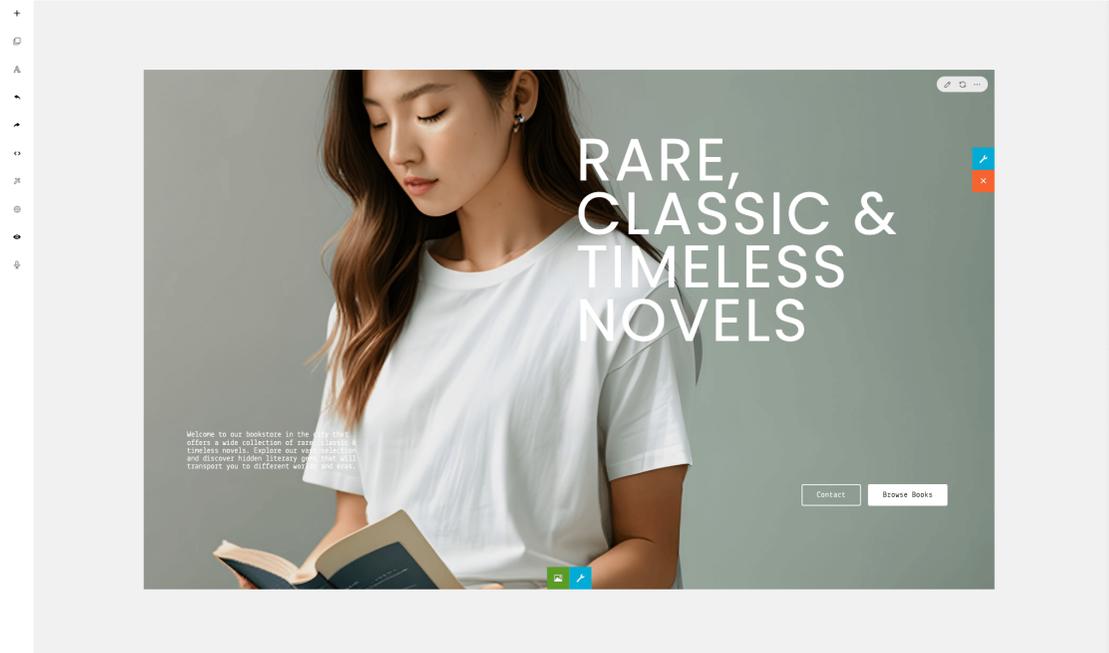
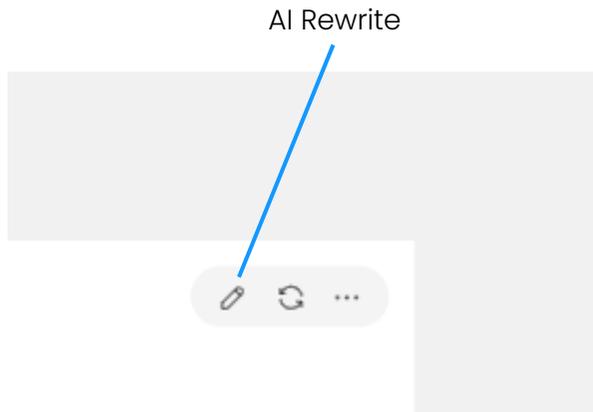


Note

During the section redesign process, the AI Assistant's output may occasionally vary, and certain elements might be missing or the result may not look as expected. In such cases, you can simply try again to regenerate or redesign the section to achieve the desired outcome.

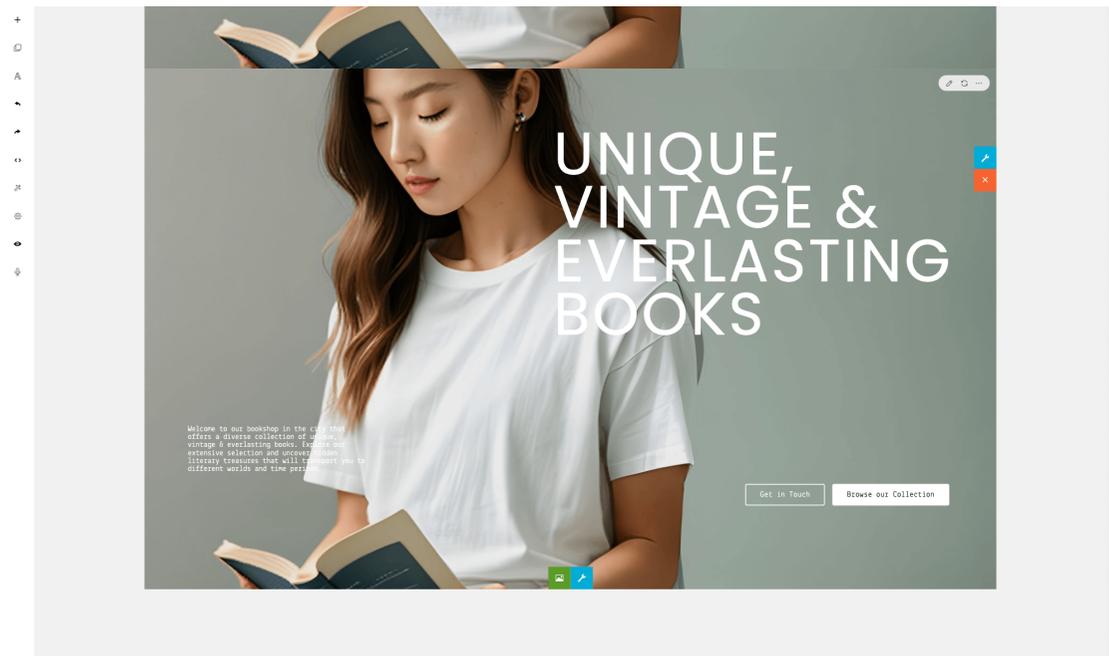
AI Rewrite

The AI Toolbar features an AI Rewrite button.



AI Rewrite functionality allows you to rewrite the section's content (headlines, paragraphs, etc.) with alternative ideas. With this feature, you can generate different content writings to consider.

Similar to the redesigned section, the rewritten section does not overwrite the current one; rather, it creates an entirely new section, allowing you to conveniently compare it with the original.



Short Commands (Optional)

The AI Assistant panel also accepts a quick or short commands:

Short commands are options for quick editing. They are not AI-powered but can provide fast responses since the commands are processed locally without requesting OpenAI.

To try:

- Select text and speak 'bold' to make it bold.
- Select text and speak 'increase' to enlarge the font size.
- You can also speak commands like 'Add a headline', 'Can you add a paragraph?', 'Select the headline', 'Move up', etc.

Currently, short commands only support English.

You can enable or disable short commands using the **enableShortCommands** parameter. If disabled, your command will be considered a normal/descriptive command and will be sent directly to OpenAI. The normal/descriptive command supports multiple languages.

Options

You can customize the behavior of the AI Assistant feature using the following options:

startAIAssistant: Auto-open the AI Assistant panel on start. The default value is false.

```
const builder = new ContentBox({  
  startAIAssistant: false  
});
```

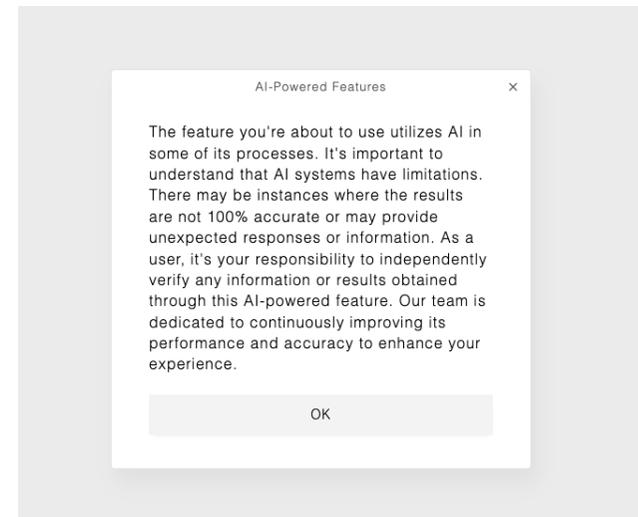
showDisclaimer: Display or hide the disclaimer popup shown before opening the AI Assistant panel. The default value is true.

```
const builder = new ContentBox({  
  showDisclaimer: true  
});
```

disclaimerAI: Customize the text of the disclaimer popup.

```
const builder = new ContentBox({  
  disclaimerAI: 'Customize the disclaimer text...'  
});
```

Disclaimer popup



AIToolbar: Displays the AI toolbar which includes the 'AI Rewrite', 'AI Redesign', and 'More' buttons, when hovering over a box or section. The default value is true.

```
const builder = new ContentBox({  
  AIToolbar: true,  
});
```

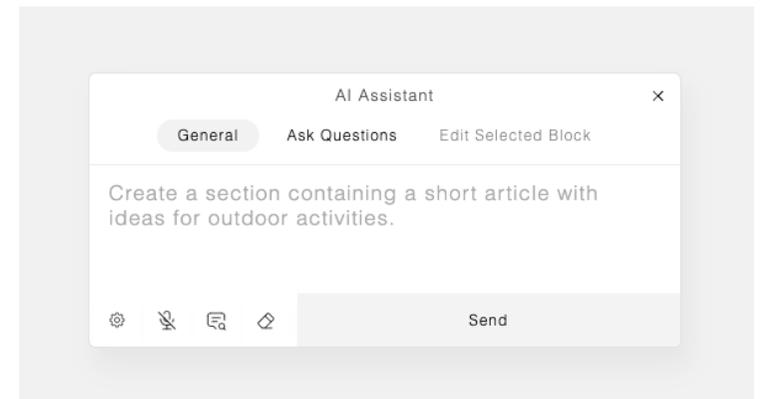
commandPlaceholderText: Modify the placeholder text of the command textbox in the AI Assistant panel.

```
const builder = new ContentBox({  
  commandPlaceholderText: 'Customize the sample command text...',  
});
```

The placeholder text appears only the first time to provide an example command. The default text is: 'Create a section containing a short article with ideas for outdoor activities'.

enableShortCommands: Enable or disable short commands. The default value is true.

```
const builder = new ContentBox({  
  enableShortCommands: true,  
});
```



speechRecognitionLang: Set the default language for dictation when using the browser's built-in speech recognition. The default value is 'en-US'.

```
const builder = new ContentBox({  
  speechRecognitionLang: 'en-US'  
});
```

triggerWords: Specify the words to trigger specific actions.

```
const builder = new ContentBox({  
  triggerWords: {  
    send: ['send', 'okay', 'execute', 'run'],  
    abort: ['abort', 'cancel'],  
    clear: ['clear', 'erase']  
  },  
});
```

With this configuration:

- When you say 'send', 'okay', 'execute', or 'run', your command will be sent for processing.
- While the command is being sent or processed, you can abort it by saying 'abort' or 'cancel'.
- To clear your command, you can say 'clear' or 'erase'.

temperature: Controls the randomness or creativity of the generated result. The default value is 0.6.

```
const builder = new ContentBox({  
  temperature: 0.4,  
});
```

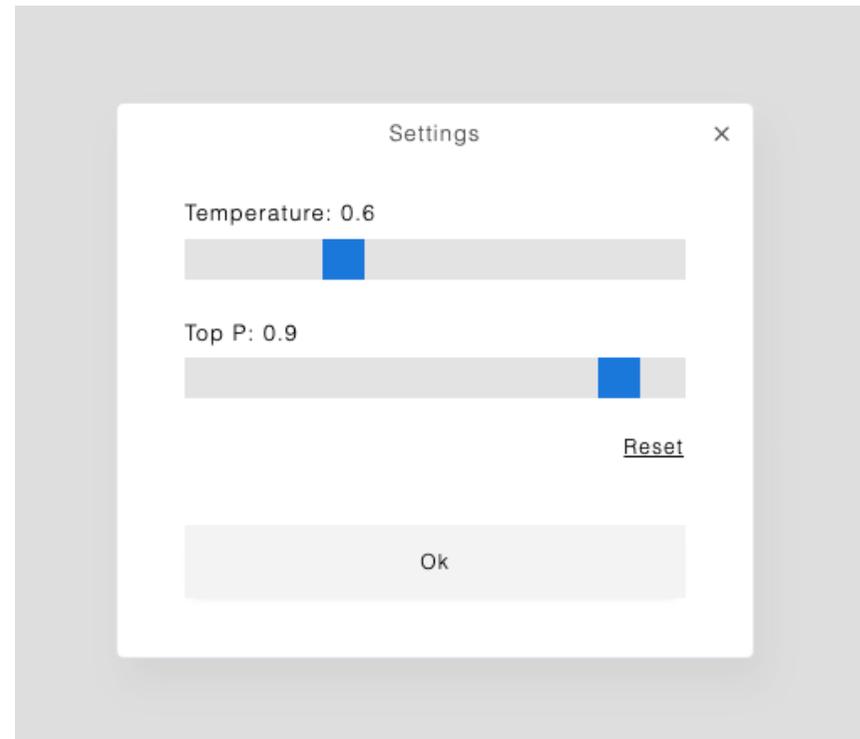
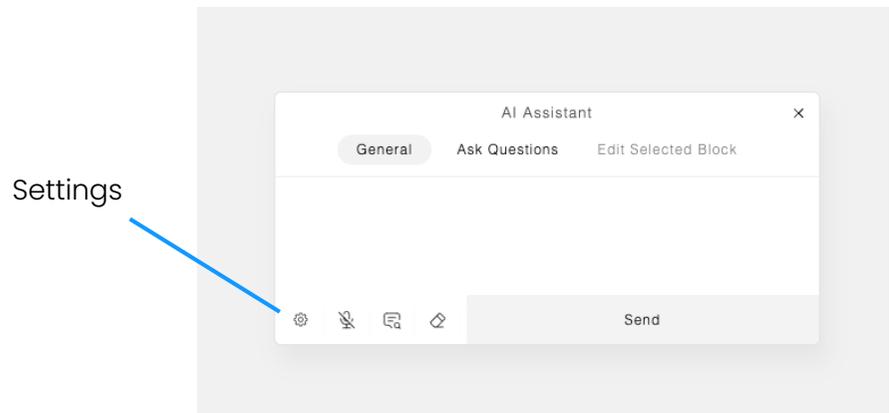
Note:

A higher temperature value, such as 0.8, results in more diverse and creative outputs. A lower temperature value, like 0.2, makes the output more focused and deterministic.

topP: Controls the diversity and relevance of the generated result. The default value is 0.9

```
const builder = new ContentBox({  
  topP: 0.6,  
});
```

The temperature and topP parameter can also be adjusted in the Settings dialog. Click the 'Settings' button on the AI Assistant panel.



speechTranscribeUrl: Speech transcription endpoint URL that is needed if you're using Deepgram. The default value is empty, which means the speech transcription is using the browser's built-in function.

```
const builder = new ContentBox({  
  speechTranscribeUrl: 'ws://localhost:3002'  
});
```

A working example of using Deepgram is provided in the package. Please refer to the readme.txt file in the package to run the example.

media: The media files (images, videos) used in the generated content. For example, when a command requests an image, a random image will be chosen from the media files. Please refer to the 'Media Files' section at the end of this documentation for example usage.

mediaPath: The location of the media files. The default value is 'assets/gallery/'.

Server Side Handler

Node.js Example

Here is the server-side handler/endpoint example using Node.js.

```
const express = require('express');
const app = express();
const cors = require('cors');
const axios = require('axios');
require('dotenv').config()
app.use(cors());
app.use(express.urlencoded({ extended: true }));
app.use(express.json());

const OPENAI_API_KEY = process.env.OPENAI_API_KEY; // Your OpenAI API Key
const url = 'https://api.openai.com/v1/chat/completions';
const model = 'gpt-3.5-turbo';
const DEFAULT_TEMPERATURE = 0.6;
const DEFAULT_TOP_P = 0.9;
const DEFAULT_NUM = 1;

app.post('/sendcommand', async (req, res) => {
  const { question, context, system, functs, temperature, topP, num } = req.body;

  if (OPENAI_API_KEY === 'YOUR_API_KEY') {
    return res.json({ error: 'Please configure the API Key' });
  }
});
```

Note:

You will need to specify your OpenAI API key in the **.env** file.

```

const messages = [
  { role: 'system', content: system },
  { role: 'assistant', content: context || '' },
  { role: 'user', content: question }
];

try {
  const response = await axios.post(url, {
    model,
    messages,
    temperature: parseFloat(temperature) || DEFAULT_TEMPERATURE,
    top_p: parseFloat(topP) || DEFAULT_TOP_P,
    n: parseInt(num) || DEFAULT_NUM,
    functions: functs.length === 0 ? undefined : functs
  }, {
    headers: {
      'Content-Type': 'application/json',
      'Authorization': `Bearer ${OPENAI_API_KEY}`,
    },
  });

  let answer = functs.length === 0
    ? response.data
    : (response.data.choices[0].message.function_call ?
      response.data.choices[0].message.function_call.arguments
      : response.data.choices[0].message );

```

```
    res.json({ answer });
  } catch (error) {
    res.json({ error: error.message });
  }
});

app.listen(8081, function() {
  console.log('App running on port 8081');
});
```

Then you can specify the **sendCommandUrl** with your Node.js endpoint.

```
const builder = new ContentBox({
  wrapper: '.is-wrapper',
  sendCommandUrl: 'path/to/sendcommand'
});
```

The Node.js code can be extended to implement Deepgram for speech transcription:

```
// Your Deepgram API Key
const DEEPGRAM_API_KEY = process.env.DG_API_KEY;

const { Deepgram } = require('@deepgram/sdk');
const deepgram = new Deepgram(DEEPGRAM_API_KEY);

const WebSocket = require('ws')
const wss = new WebSocket.Server({ port: 3002 })
wss.on('connection', (ws) => {

  const deepgramLive = deepgram.transcription.live({
    punctuate: true,
    interim_results: true,
    language: 'en-US',
  });

  deepgramLive.addListener('open', () => {
    console.log('Client connected');
    ws.send(JSON.stringify({ event: "can-open-mic" }));
  });

  deepgramLive.addListener('error', (error) => console.log({ error }));
});
```

Note:

You will need to specify your Deepgram API key in the **.env** file.

```
ws.onmessage = (event) => {
  if (deepgramLive.getReadyState() === WebSocket.OPEN) {
    deepgramLive.send(event.data)
  }
};

ws.onclose = () => {
  if (deepgramLive.getReadyState() === WebSocket.OPEN) {
    deepgramLive.finish();
  }
};

deepgramLive.addListener('transcriptReceived', (transcription) => {
  const data = JSON.parse(transcription);
  if(data.channel) {
    let tr = data.channel.alternatives[0].transcript;
    if(tr) {
      ws.send(JSON.stringify({ event: "transcript-result", data }));
    }
  }
});
});
```

PHP Example

Here is the server-side handler/endpoint example using PHP.

sendcommand.php

```
<?php
header('Content-Type: application/json');

define('OPENAI_API_KEY', 'YOUR_API_KEY_HERE');
$url = 'https://api.openai.com/v1/chat/completions';
$model = 'gpt-3.5-turbo';
define('DEFAULT_TEMPERATURE', 0.6);
define('DEFAULT_TOP_P', 0.9);
define('DEFAULT_NUM', 1);

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $body = json_decode(file_get_contents('php://input'), true);
    $question = $body['question'];
    $context = $body['context'];
    $system = $body['system'];
    $functs = $body['functs'];
    $temperature = $body['temperature'];
    $topP = $body['topP'];
    $num = $body['num'];
}
```

```

if (OPENAI_API_KEY === 'YOUR_API_KEY_HERE') {
    echo json_encode(['error' => 'Please configure the API Key']);
    die();
}

$messages = [
    ['role' => 'system', 'content' => $system],
    ['role' => 'assistant', 'content' => $context ?: ''],
    ['role' => 'user', 'content' => $question]
];

$headers = [
    'Content-Type: application/json',
    'Authorization: Bearer ' . OPENAI_API_KEY,
];

$data = [
    'model' => $model,
    'messages' => $messages,
    'temperature' => floatval($temperature) ?: DEFAULT_TEMPERATURE,
    'top_p' => floatval($topP) ?: DEFAULT_TOP_P,
    'n' => intval($num) ?: DEFAULT_NUM,
];

if (!empty($functs)) {
    $data['functions'] = $functs;
}

```

```

$options = [
    'http' => [
        'header' => implode("\r\n", $headers),
        'method' => 'POST',
        'content' => json_encode($data),
    ],
];

$context = stream_context_create($options);
$response = file_get_contents($url, false, $context);

$responseData = json_decode($response, true);

$answer = empty($functs)
    ? $responseData
    : $responseData['choices'][0]['message']['function_call']['arguments'];

echo json_encode(['answer' => $answer]);

}
?>

```

Then you can specify the **sendCommandUrl** with your PHP endpoint.

```

const builder = new ContentBox({
    wrapper: '.is-wrapper',
    sendCommandUrl: 'path/to/sendcommand.php'
});

```

Media Files

When a command requests an image or a video, a random image or video will be chosen from the media files. You can reconfigure the built-in media files by using the **media** parameter.

```
const builder = new ContentBox({
  wrapper: '.is-wrapper',

  mediaPath: 'assets/gallery/',
  media: {
    slider: [
      'slide-01.jpg',
      'slide-02.jpg'
    ],
    blank_video: 'blank.mp4',
    videos: [
      'beach1.mp4',
      'beach2.mp4'
    ],
    youtube_videos: [
      'https://www.youtube.com/embed/P5yHEKqx86U?rel=0'
    ],
    maps: [
      'https://www.youtube.com/embed/P5yHEKqx86U?rel=0'
    ],
  },
});
```

The **mediaPath** parameter specifies the location of the media files. The default value is 'assets/gallery/'.

```
audios: [  
  'example.mp3'  
],  
images: {  
  square: [  
    'person-01.jpg',  
    ...  
  ]  
},  
bg_images: {  
  box: [  
    'person-01.jpg',  
    ...  
  ],  
  small_box: [  
    'person-01.jpg',  
    ...  
  ],  
  // These background images are well-matched with the text content on the left  
  section_text_left: [  
    'header-01.jpg',  
    ...  
  ],  
],
```

```
// These background images are well-matched with the text content on the center
section_text_center: [
  'header-07.jpg',
  ...
],
// These background images are well-matched with the text content on the right
section_text_right: [
  'header-04.jpg',
  ...
],
},
};
```

Ensure you have these assets available for proper integration and usage of the AI Assistant feature.

Examples & Tips

Explain our galaxy in a beginner-friendly and interesting way.

Sample Result

Our Galactic City: The Milky Way

Our galaxy, called the Milky Way, is like a gigantic city of stars, planets, and other celestial objects. Imagine it as a huge spiral-shaped pancake, with a bulge in the middle and arms spiraling outwards.

Stars of Different Sizes and Colors

In this pancake, there are billions and billions of stars, each shining brightly in the darkness of space. Some stars are big and bright, while others are small and faint. They come in different colors too, like red, yellow, and blue.

Planets and Moons in Orbit

But the stars aren't the only ones living in our galactic city. There are also planets, just like the one we live on, Earth. These planets orbit around the stars, just like how the Earth orbits around the Sun. Some of these planets might even have their own moons, just like our Moon.

The Vastness of the Milky Way

The Milky Way is so vast that it would take us hundreds of thousands of years to travel from one end to the other, even if we were traveling at the speed of light! That's how big our galaxy is.

Our Sun and the Billions of Stars

And here's a fun fact: Our Sun is just one of the billions of stars in the Milky Way. So, next time you look up at the night sky and see all those beautiful stars, remember that you're part of something truly amazing – our very own galactic city, the Milky Way.

AI Assistant Chat Window:

AI Assistant

General Ask Questions Edit Selected Block

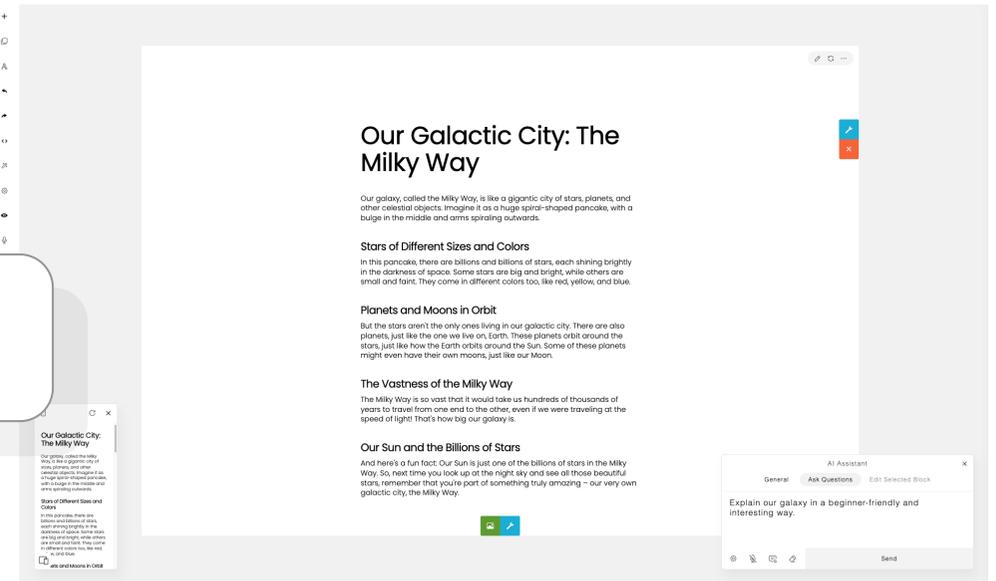
Explain our galaxy in a beginner-friendly and interesting way.

Send

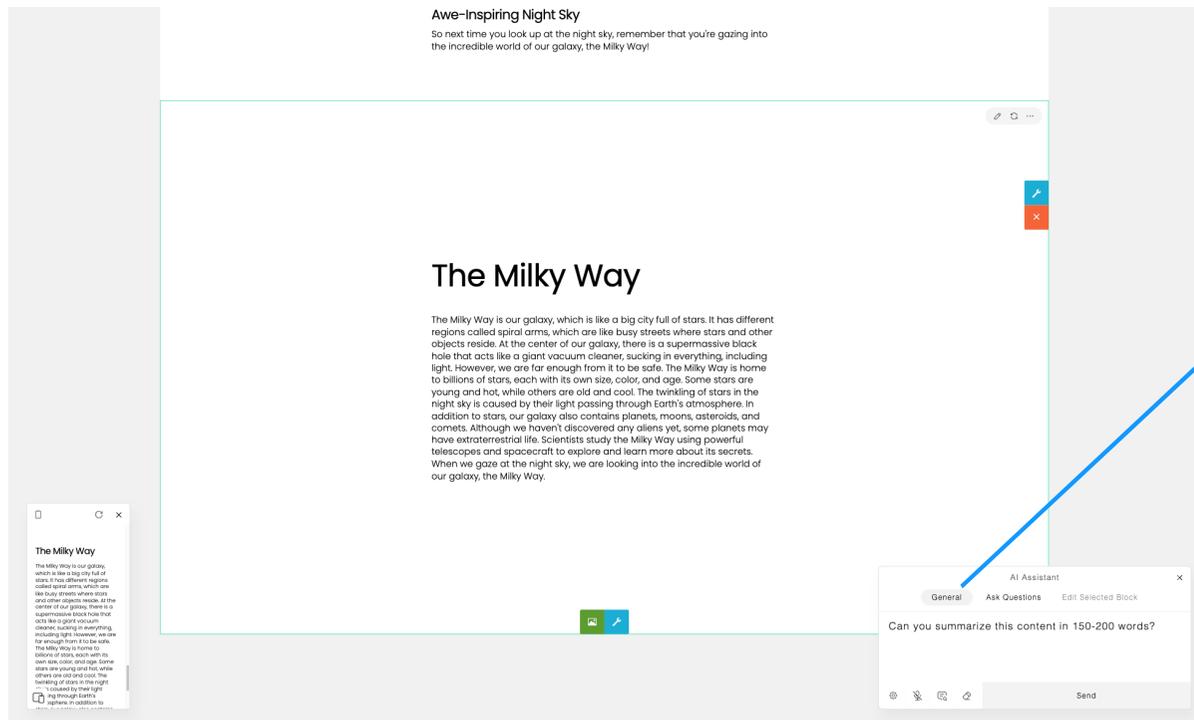
Ask Questions mode is selected.

Since the question isn't related to designing or editing the current section or content, the **Ask Questions** mode is used here.

Can you summarize this content in 150-200 words?



Sample Result



General mode is selected.

Given that the question requires the current section's content, you will need to switch back to the standard **General** mode.

The **Ask Questions** mode is not applicable here, as its function is to pose questions unrelated to the present section or content.

Tips

Use **General** mode for:

Designing & Editing

For creating a new section, editing, or designing the current section.

Content Rewriting

For rewriting, summarizing, paraphrasing, expanding/enhancing writing, making it shorter, translating, or creating new content from the present content.

Use **Ask Questions** mode for:

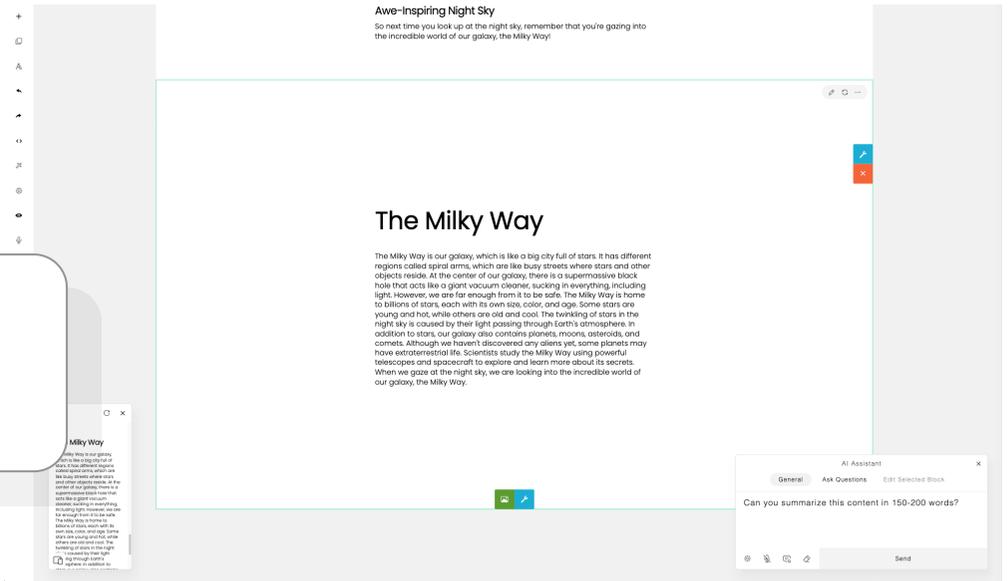
Any requests or questions not related to the current content.

The **Ask Questions** mode is provided to expand the AI Assistant's capabilities to cover a wide range of tasks, such as getting information or asking questions unrelated to designing and editing.

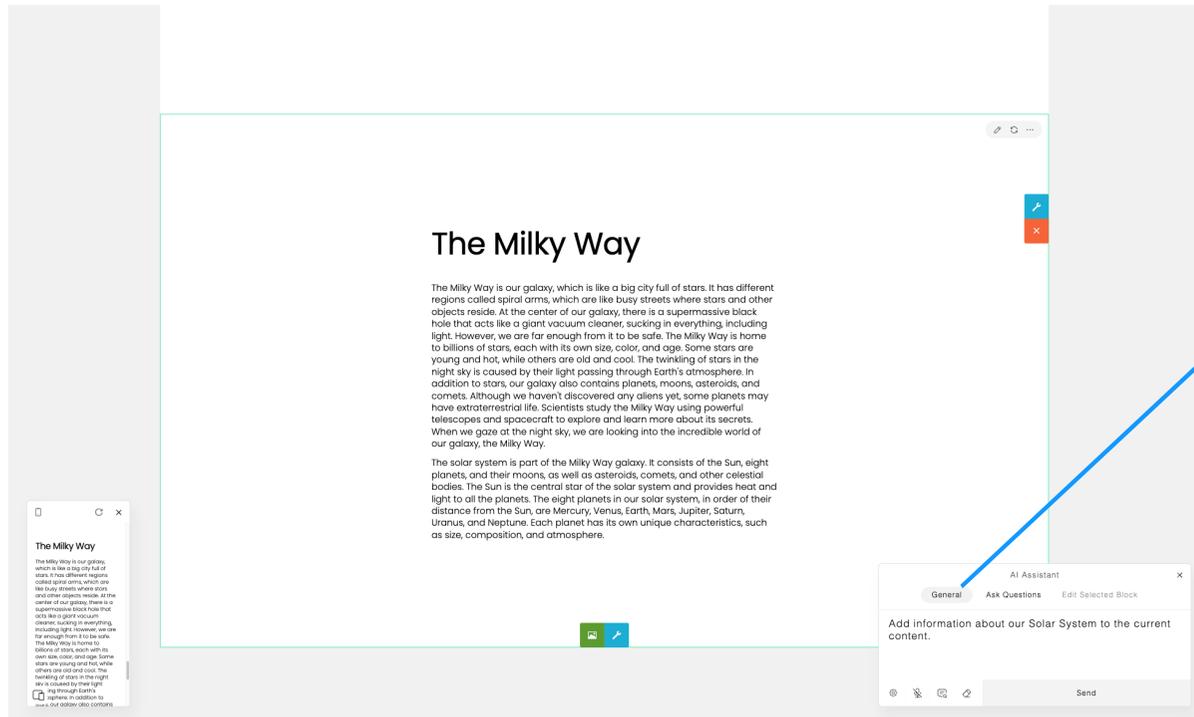
While you can also use the **General** mode— for instance, by instructing *'Create a new section containing an article about our galaxy in a beginner-friendly way'*— Using the **Ask Questions** mode through a simple query like *'Explain our galaxy in a beginner-friendly way'* can improve the output quality and make the process more efficient and fast.

More Examples

Add information about our Solar System to the current content.

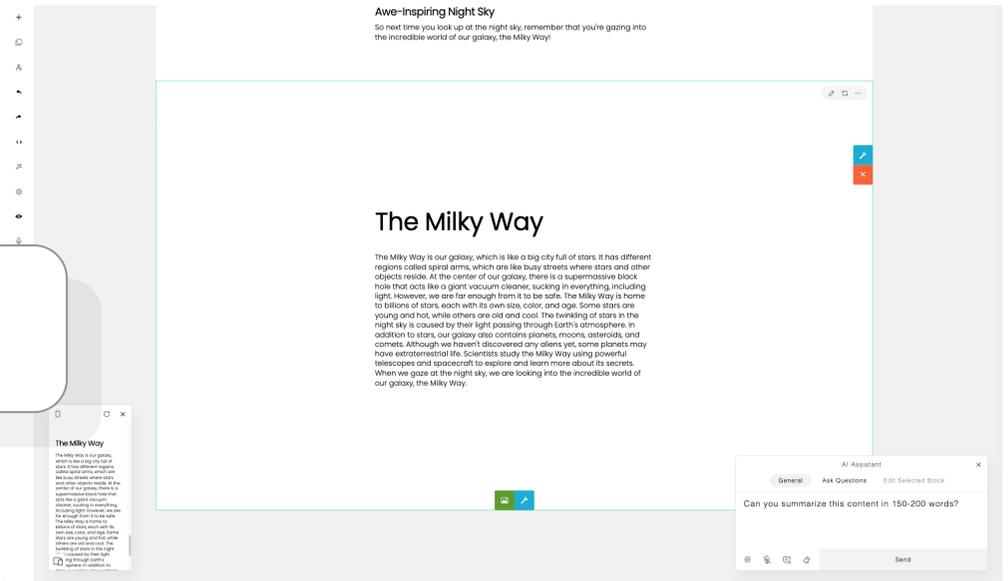


Sample Result

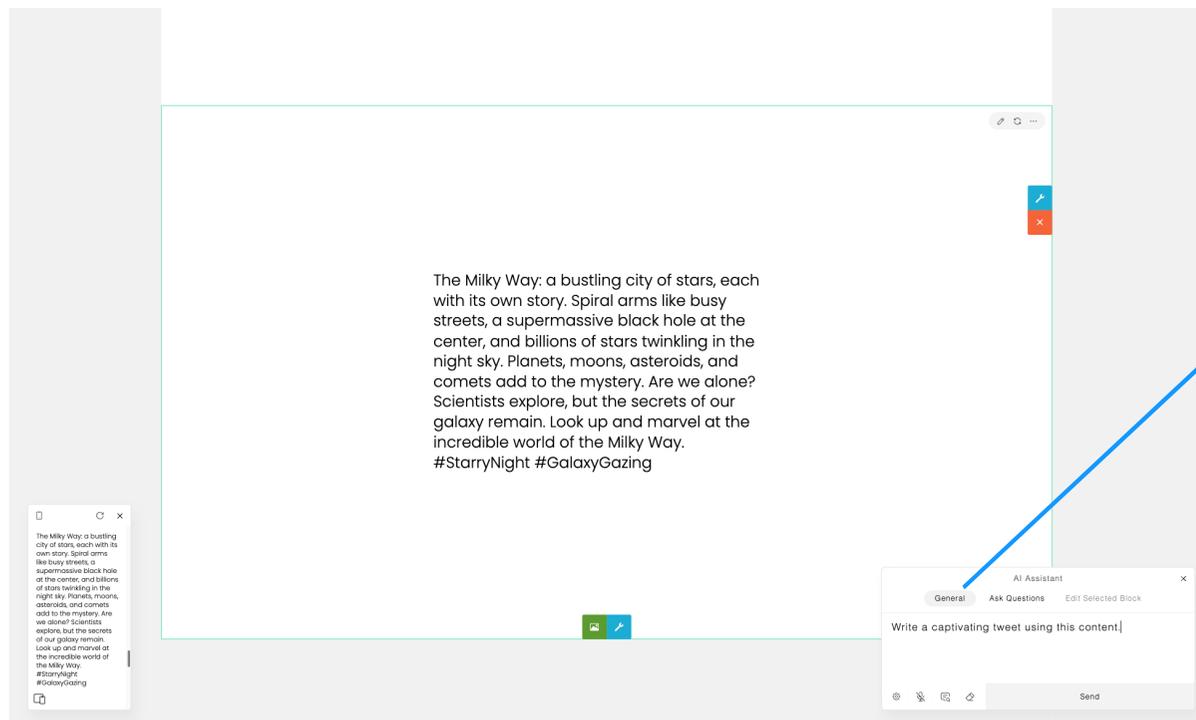


General mode is selected.

Write a tweet using this content.



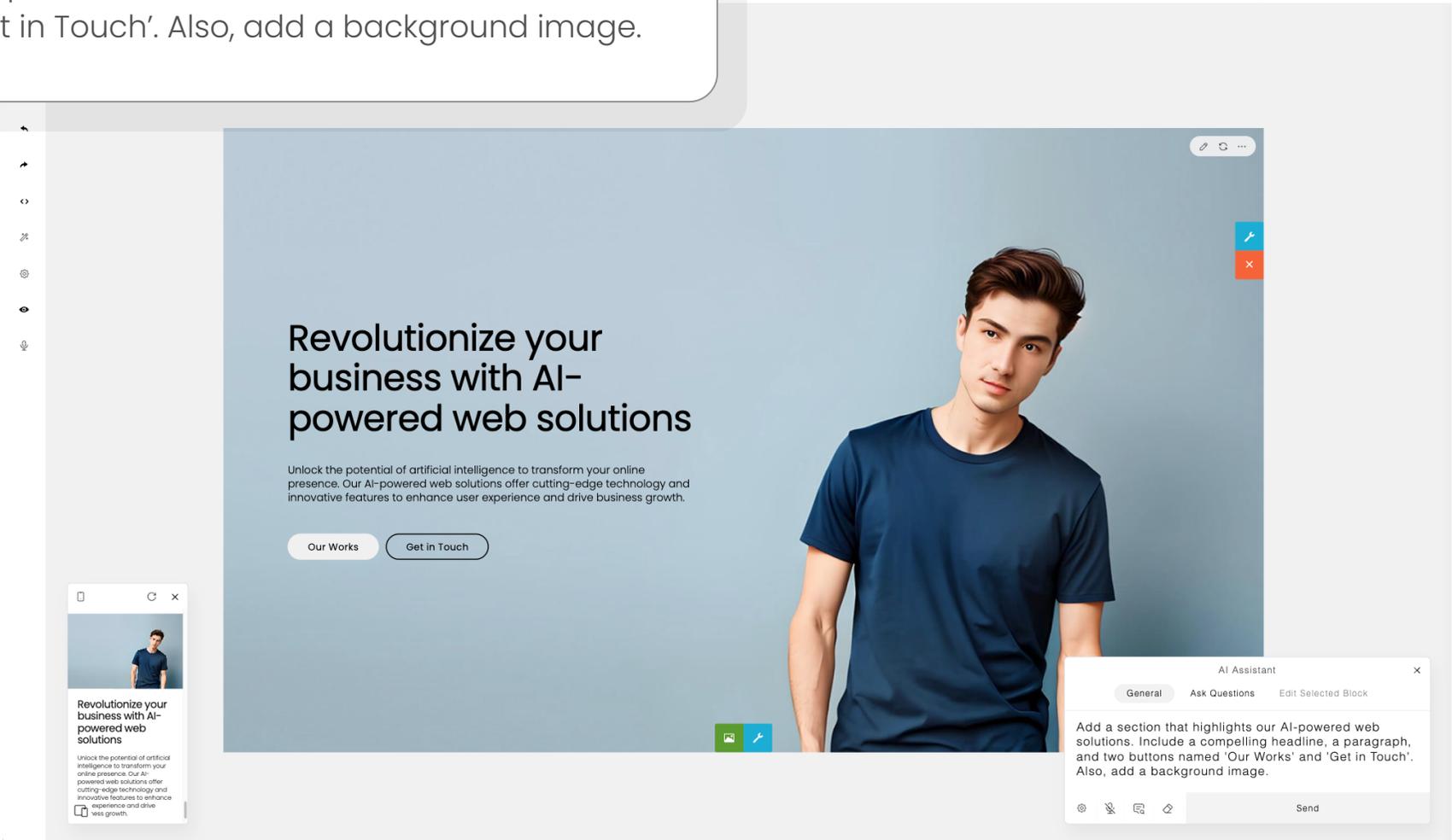
Sample Result



General mode is selected.

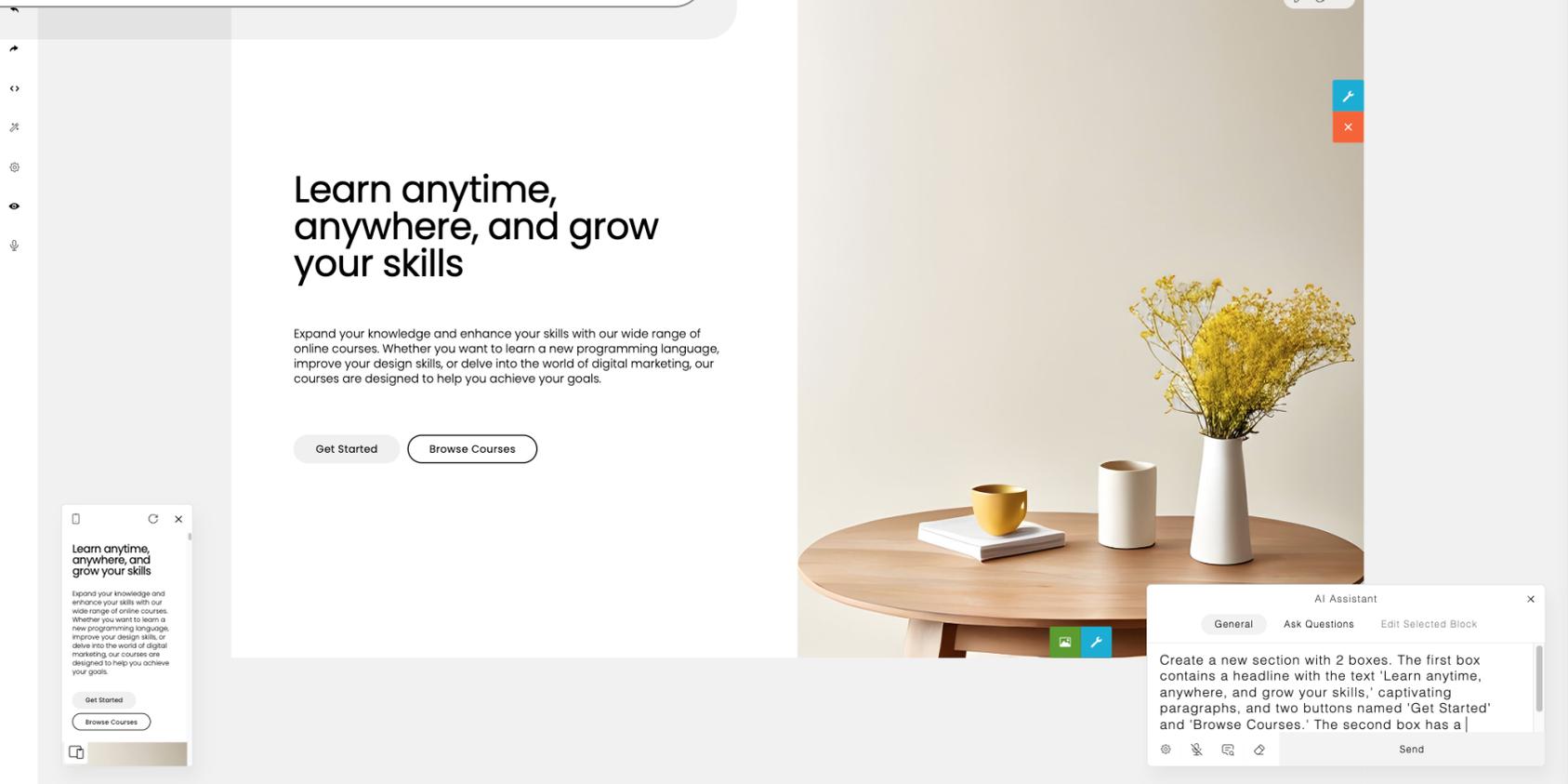
Add a section that highlights our AI-powered web solutions. Include a compelling headline, a paragraph, and two buttons named 'Our Works' and 'Get in Touch'. Also, add a background image.

Sample Result



Create a new section with 2 boxes. The first box contains a headline with the text 'Learn anytime, anywhere, and grow your skills,' captivating paragraphs, and two buttons named 'Get Started' and 'Browse Courses.' The second box has a background image.

Sample Result



Add a section highlighting the features of our creative arts courses:

- Hands-on projects
- Guidance from experts

Add an image for each feature.

Sample Result

The screenshot shows a web editor interface for a page titled "Creative Arts Courses". The page layout includes a title, a sub-header, and two content blocks. The first block is titled "Hands-on Projects" and features a photograph of art supplies. The second block is titled "Guidance from Experts" and also features the same photograph. On the right side of the editor, an "AI Assistant" chat window is open, showing a conversation where the user asks for a section highlighting course features, and the AI provides a response listing "Hands-on projects" and "Guidance from experts" along with the instruction to "Add an image for each feature." The editor interface includes a toolbar on the left and a top navigation bar.

Creative Arts Courses

Hands-on Projects

Our creative arts courses provide hands-on projects that allow students to apply their skills and creativity in a practical way. Through these projects, students can explore different techniques and mediums, and gain valuable experience in creating their own artwork.

Guidance from Experts

Our creative arts courses are led by industry experts who provide guidance and mentorship to students. They share their knowledge, techniques, and insights to help students develop their artistic skills and reach their full potential. With their expertise and support, students can receive valuable feedback and advice to enhance their artistic journey.

AI Assistant

General Ask Questions Edit Selected Block

Add a section highlighting the features of our creative arts courses:

- Hands-on projects
- Guidance from experts

Add an image for each feature.

Send

Create a section containing a feature list of our wood cabin for rent:

- Scenic forest view
- Modern comforts
- Outdoor escape

Add an icon for each list item.

Sample Result

The screenshot displays a web editor interface for a 'Wood Cabin for Rent' page. The main content area features a title 'Wood Cabin for Rent' and three feature cards, each with a checkmark icon above it:

- Scenic Forest View**: Enjoy breathtaking views of the surrounding forest from the comfort of your cabin.
- Modern Comforts**: Experience a cozy and comfortable stay with modern amenities and furnishings.
- Outdoor Escape**: Unwind and reconnect with nature in the peaceful surroundings of our wood cabin.

The editor interface includes a left sidebar with various editing tools, a top toolbar with icons for undo, redo, and refresh, and an AI Assistant chat window at the bottom right. The AI Assistant chat window shows the prompt: 'Create a section containing a feature list of our wood cabin for rent:' followed by the list of features: '- Scenic forest view', '- Modern comforts', and '- Outdoor escape'. The chat window also has a 'Send' button and tabs for 'General', 'Ask Questions', and 'Edit Selected Block'.

Create a section containing a photo gallery of our wood cabin for rent showcasing:

- Scenic forest view
- Modern comforts
- Outdoor escape

Each with a captivating title and paragraph.

Sample Result

The screenshot displays a web editor interface for creating a section about a wood cabin for rent. The main content area features a title "Experience the beauty of our Wood Cabin for Rent" and three image blocks, each with a caption and a paragraph:

- Scenic Forest View**
Immerse yourself in the tranquility of nature with breathtaking views of the surrounding forest.
- Modern Comforts**
Indulge in the perfect blend of rustic charm and contemporary amenities, ensuring a comfortable stay.
- Outdoor Escape**
Discover endless opportunities for outdoor adventures, from hiking and fishing to stargazing by the fire pit.

The editor interface includes a left sidebar with navigation icons, a top toolbar with edit, undo, and redo icons, and a bottom toolbar with image and text icons. An AI Assistant chat window is open in the bottom right corner, showing the prompt: "Create a section containing a photo gallery of our wood cabin for rent showcasing: - Scenic forest view - Modern comforts - Outdoor escape". The chat window also has a "Send" button and a "General" tab.

Create a section to showcase our wood cabin for rent. The section should have 3 boxes, each featuring a captivating title, a paragraph, and an 'Explore' button. The content alignment is centered. Suggest and specify a good background color for each box.

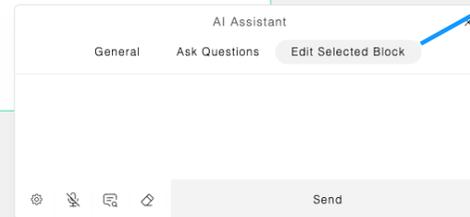
Sample Result

The screenshot displays a web design tool interface. On the left, a vertical toolbar contains various editing tools. The main workspace shows a design for a wood cabin for rent section. At the top, the main title reads "Experience the beauty of our Wood Cabin for Rent". Below this, there are three columns of content, each featuring a photograph of a wooden table with a vase of yellow flowers, a white mug, and a small yellow cup. The columns are titled "Scenic Forest View", "Modern Comforts", and "Outdoor Escape". Each column has a short paragraph of text below the image. At the bottom of the workspace, there is a small green and blue icon. In the bottom right corner, an "AI Assistant" chat window is open, showing a prompt: "Create a section containing a photo gallery of our wood cabin for rent showcasing:" followed by a list of items: "- Scenic forest view", "- Modern comforts", and "- Outdoor escape". The chat window also has a "Send" button.

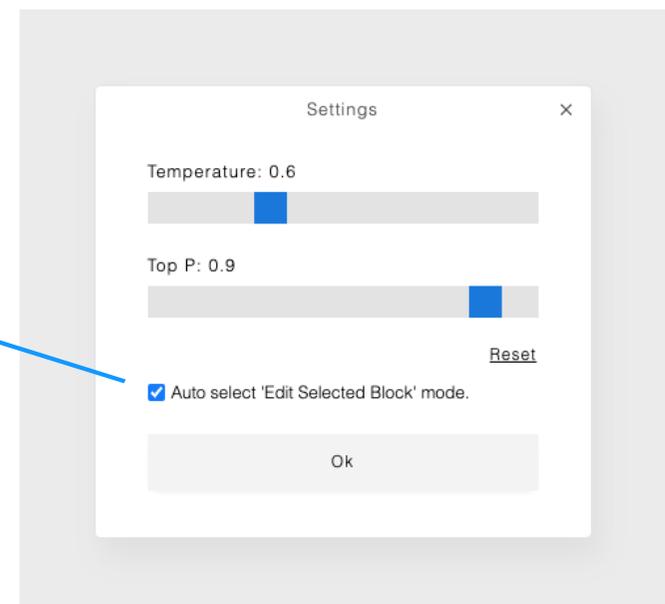
Block Editing Examples



Now, select a text block, and choose **Edit Selected Block** mode.



You can automatically activate this mode each time you select a block by checking the 'Auto select' option in the Settings dialog.



Then, try this command:

Add a new block containing google map showing cafes in Perth city area.

Sample Result

A new block will be added after the selected block

The screenshot shows a web editor interface. On the left is a vertical toolbar with icons for adding, deleting, undo, redo, and other editing functions. The main workspace contains a large map block titled "Perth Cafes". The map shows the Perth city area with many red location pins representing cafes. Below the map, there is a small thumbnail of the map block. At the bottom right, there is an "AI Assistant" chat window with the text: "Add a new block containing a Google map showing local cafes in the Perth city area." A blue arrow points from the text "A new block will be added after the selected block" to the map block.

More Examples

Add a new block containing a link button with the text 'Download' that directs to the Visual Studio Code official download page.

Sample Result

5-Hours Learning Plan to Get Started with Practical Data Science Using Python and Visual Studio Code

Hour 1:
1. Download and install Python.
2. Download and install Visual Studio Code.
3. Set up a Python environment: Open Visual Studio Code, install the Python extension, and set up a Python environment by selecting the Python interpreter.

Hour 2:
1. Learn the basics of Python: Familiarize yourself with Python syntax, data types, variables, and basic operations. You can use online tutorials or resources like "Python Crash Course" by Eric Matthes.
2. Install necessary Python libraries: Use pip (Python package installer) to install essential libraries such as NumPy, Pandas, and Matplotlib for data manipulation and visualization.

Hour 3:
1. Introduction to data manipulation with Pandas: Learn how to load, explore, and manipulate data using Pandas. Practice with real datasets, perform basic data cleaning, filtering, and aggregation operations.
2. Visualizing data with Matplotlib: Explore the Matplotlib library to create various types of plots and visualizations. Experiment with different plot styles and customize visualizations to represent data effectively.

Download

AI Assistant
General Ask Questions Edit Selected Block

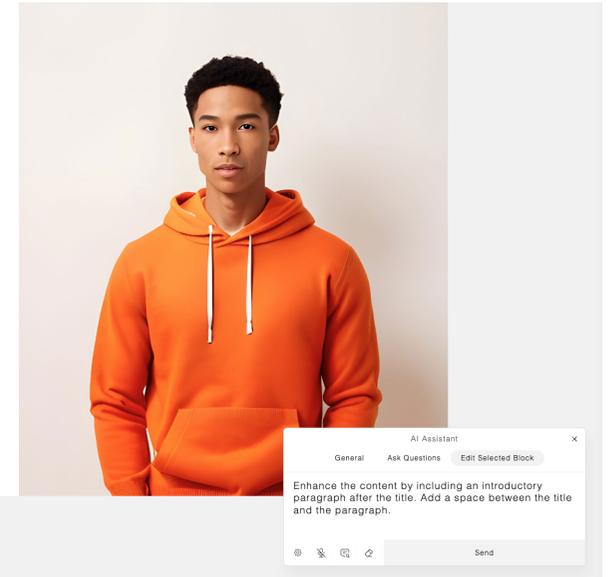
Add a new block containing a link button with the text 'Download' that directs to the Visual Studio Code official download page.

Send

Enhance the content by including a short introductory paragraph after the title. Add a space between the title and the paragraph.

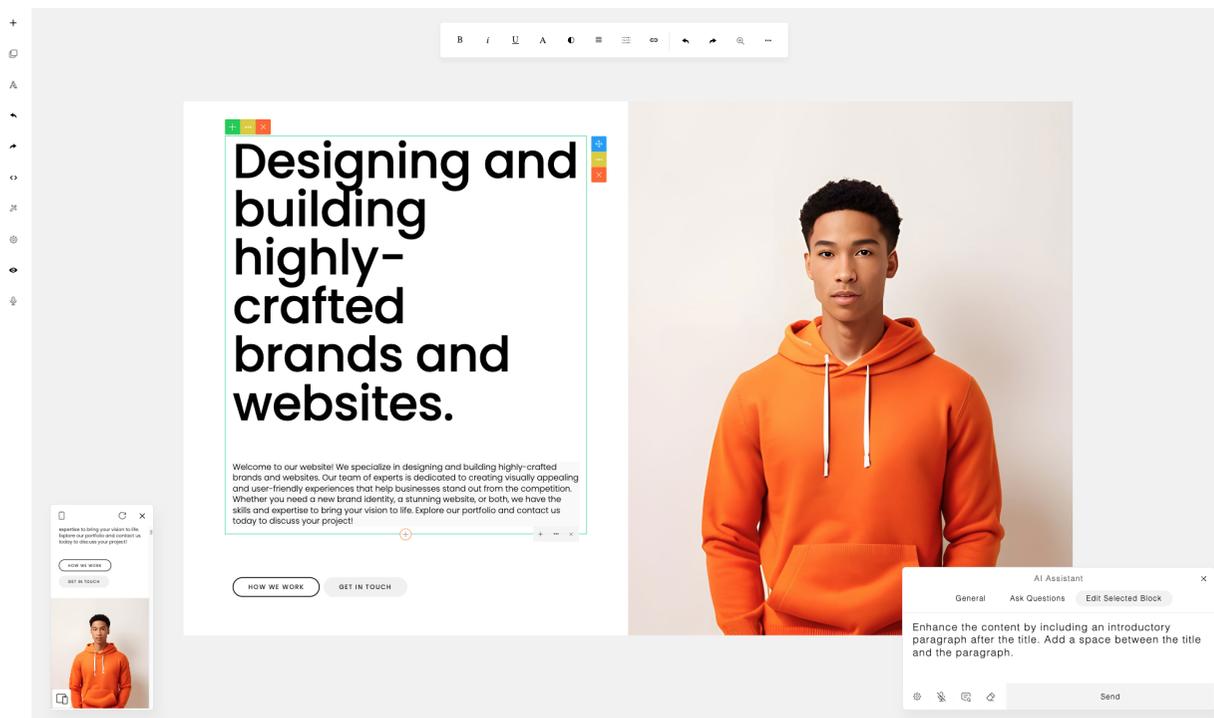
Designing and building highly-crafted brands and websites.

HOW WE WORK GET IN TOUCH

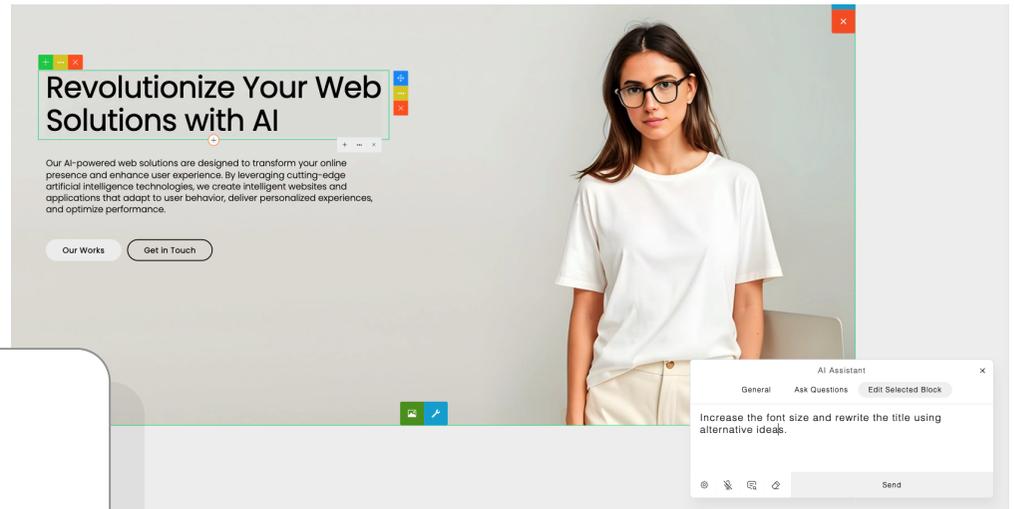


AI Assistant
General Ask Questions Edit Selected Block
Enhance the content by including an introductory paragraph after the title. Add a space between the title and the paragraph.
Send

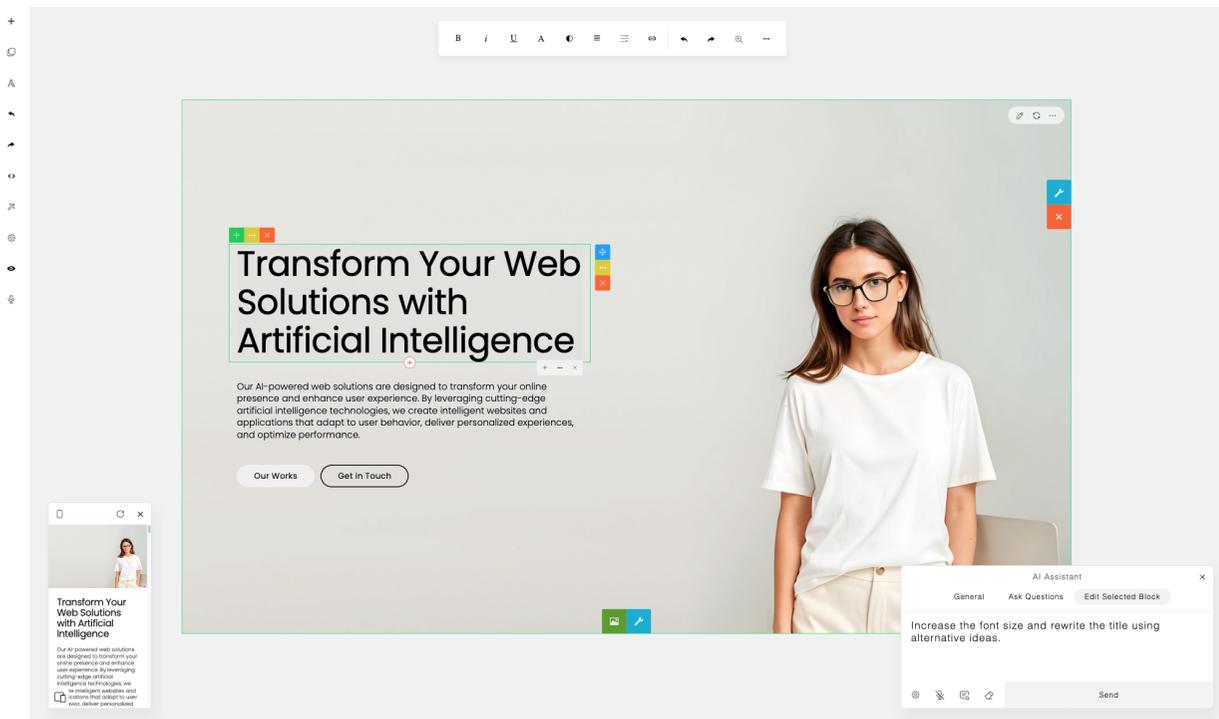
Sample Result



Increase the font size and rewrite the title using alternative ideas.



Sample Result



Ultimate Experiences With Story, Emotion, And Purpose.

Experience the extraordinary with our unique collection of moments that will leave you inspired. Our carefully curated selection of experiences offers a blend of adventure, culture, and personal growth.

[Get the App](#)

Add a new column with an image.

AI Assistant

General Ask Questions **Edit Selected Block**

Add a new column with an image.

Send

Sample Result

The screenshot shows a design tool interface with a central workspace. The workspace contains the 'Ultimate Experiences' card from the previous image, but with an additional column to its right. This new column contains a photograph of a modern interior with a white desk, a green plant, and an orange chair. The design tool's top toolbar and left sidebar are visible. At the bottom right, an 'AI Assistant' window is open, displaying the text 'Add a new column with an image.' and a 'Send' button.

That's it! You can now use the AI Assistant for ContentBox.js to build and design your web content by sending commands.