

### 1. App Component

#### Purpose:

The App component serves as the main container for the application. It integrates other components and manages the state related to the generated content.

#### Key Features:

- Manages the state of the generated content using the useState hook.
  - Renders the Navbar, ContentForm, and GeneratedContent components.
  - Passes the setContent function as a prop to the ContentForm to update the content.
- 

### 2. Navbar Component

#### Purpose:

The Navbar component provides the navigation bar at the top of the application with a title.

#### Key Features:

- Displays the title "Marketing Content Generator".
  - Used for branding or navigation in the application.
- 

### 3. ContentForm Component

#### Purpose:

The ContentForm component handles user input and submits the data for generating content.

#### Key Features:

- Uses the useState hook to manage form data (tone, target audience, format, length, and keyword).
- Contains form fields for keyword, tone, length, and format.
- Ensures all required fields are filled before submitting the form.
- On form submission, it calls the generateContent function from contentController to generate content and sets the result in the parent App component using the setContent function.

#### Form Fields:

- **Keyword:** Text input for the keyword.
  - **Tone:** Dropdown to select the tone (Friendly, Professional, Funny).
  - **Length:** Dropdown to select the length (Short, Medium, Long).
  - **Format:** Dropdown to select the format (Text, Article, Email).
- 

### 4. GeneratedContent Component

#### Purpose:

The GeneratedContent component displays the generated content or a placeholder message if no content is generated.

### Key Features:

- Displays the generated content in a <p> tag.
  - If no content is available, it shows a message prompting the user to submit a request.
- 

## 5. contentController (generateContent Function)

### Purpose:

The generateContent function is responsible for making an API request to generate content based on user inputs.

### Key Features:

- Sends a POST request to an API (API\_URL) with the form data (tone, target audience, format, length).
- Handles any errors that might occur during the API request and returns an error message in case of failure.
- Returns the generated content from the API response.

### Error Handling:

- Logs the error to the console and returns a default error message.
- 

## 6. CSS Styling

### Purpose:

The application uses CSS files (components.css) for styling the components. These styles apply to the form, navbar, generated content area, and other UI elements.

---

### How it Works:

1. The App component renders the Navbar, ContentForm, and GeneratedContent.
2. The user inputs data into the form in ContentForm.
3. Upon form submission, the generateContent function is called, which makes an API request to generate content.
4. The generated content is passed to GeneratedContent for display.