

ReachInbox.ai Web Application

Developed by SIVA RAJU

S.no	NAME OF THE APPLICANT	ROLE
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Overview

This project is a web application designed for ReachInbox.ai, built using React.js, Tailwind CSS, and Next.js. The application includes key features such as user authentication, a thread management system (Onebox screen), a custom text editor, and light/dark theme support. It also integrates with various API endpoints to manage data fetching and interaction.

Features

- 1. **Login Page:** A user-friendly login page for authenticating users and redirecting them to the main interface (Onebox screen).
- 2. **Onebox Screen:** Displays a list of threads fetched from the API. Includes support for keyboard shortcuts for efficient navigation and interaction.
- 3. **Custom Text Editor:** A rich text editor with custom buttons for saving drafts and inserting variables.
- 4. **Reply Functionality:** Allows users to reply to threads, with replies sent to the backend via API.
- 5. **Theme Support:** A toggle switch to switch between light and dark modes.
- 6. **API Integration:** Seamlessly integrates with the provided API for data management.

Technologies Used

- **React.js:** For building the user interface.
- **Next.js:** A React framework for server-side rendering and routing.
- **Tailwind CSS:** For efficient and responsive styling.
- **Axios:** For making API requests.
- **React-Quill:** A rich text editor for the custom text editor component.

Getting Started

Prerequisites

- Node.js and npm installed on your machine.

Installation

- 1. **Clone the Repository:**

bash

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git clone <repository-url>

cd <repository-directory>

- 2. **Install Dependencies:**

bash

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```
npm init -y
```

```
npm install react react-dom next tailwindcss axios react-quill
```

3. Setup Tailwind CSS:

- Create a tailwind.config.js file:

```
bash
```

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```
npx tailwindcss init
```

- Add the following content to your tailwind.config.js file:

```
javascript
```

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```
module.exports = {  
  darkMode: 'class',  
  content: [  
    "./pages/**/*.{js,ts,jsx,tsx}",  
    "./components/**/*.{js,ts,jsx,tsx}",  
  ],  
  theme: {  
    extend: {},  
  },  
  plugins: [],  
};
```

- Include Tailwind in your CSS by adding these lines to your styles/globals.css:

```
css
```

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```
@tailwind base;  
@tailwind components;  
@tailwind utilities;
```

Running the Application

1. Start the Development Server:

```
bash
```

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```
npm run dev
```

2. Open your browser and navigate to <http://localhost:3000> to view the application.

Application Structure

- **Login Page:** Located in pages/login.js. This component handles user authentication using controlled form inputs and manages the form state with React.
- **Onebox Screen:** Located in pages/onebox.js. This component fetches threads from the API and displays them. It also supports keyboard shortcuts and thread deletion.
- **Custom Text Editor:** Implemented using react-quill and located in a dedicated component file. It includes custom buttons for saving and inserting variables.
- **Theme Toggle:** Implemented using Tailwind's dark mode feature, with a toggle switch to switch between light and dark themes.

API Endpoints

The application interacts with the following API endpoints:

- GET /onebox/list: Fetches the list of threads.
- GET /onebox/:thread_id: Fetches details of a specific thread.
- DELETE /onebox/:thread_id: Deletes a specific thread.
- POST /reply/:thread_id: Sends a reply to a specific thread.

Testing

- **Functionality Testing:** Thoroughly tests the login functionality, thread fetching, keyboard shortcuts, text editor, and reply functionality.
- **Cross-Browser Testing:** Ensures compatibility with different browsers and devices.
- **Theme Testing:** Tests the light and dark mode toggle to ensure consistent user experience across themes.

Video Walkthrough

A video walkthrough showcasing the application features can be accessed [here](#).

Contributing

Contributions are welcome. Please submit a pull request with clear documentation and testing of changes.

Author

- **Siva Raju** - Developer of this application.

License

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