

Chat App

Technology Stack

- Nextjs
- Firebase
- Tailwind-css

Dependencies

- react-icons
- react-click-away-listener
- react-moment
- react-toastify
- react-simple-image-viewer
- uuid
- emoji-picker-react

File And Folder Structure

- **components /**
 - **popup /**
 - **PopupWrapper.jsx** – general popup that displays the common ui for all popups and renders different popups which are passed as prop for displaying the specific data.
 - **usersPopup.jsx** – displays a list of available users in the application. Renders Search, Icon, Avatar
 - **Avatar.jsx** – component that renders the user profile and can be reused with adjustable size using prop specifications
 - **Chats.jsx** –
 - **Icon.jsx** – general component that will render different icons as per the prop specifications.
 - **LeftNav.jsx** – displays user profile meta data, adds a new chat and logout feature. It renders ToastMessage, Icon, Avatar, and UsersPopup (onClick).
 - **Loader.jsx** – displays loader
 - **Search.jsx** – displays searchbar and implements the search functionality. It renders Avatar
 - **ToastMessage.jsx** – consists of generals of toast message and displays toast message on basis of different states in different files
- **context /**
 - **authContext.js** – it handles the login, logout and loading functionality of the application using context api to access form any file.
 - **chatContext.js** – it handles generating the data and objects in the users database whenever new chats are initiated.
- **firebase /**

- **firebase.js** – responsible for setting the configuration and initialising the firebase in the application.
- **pages /**
 - **_app.js** – special file used as the root component for your application. It is responsible for initialising and wrapping the entire Next.js application, providing a consistent layout and behaviour across all pages.
 - **_document.js** – special file that allows customising the initial HTML document sent to the client. It enables you to add custom HTML markup, modify the `<head>` tag, and include external stylesheets or scripts for server-rendered pages.
 - **index.js** – home page of the application when the user is logged in successfully. It renders LeftNav, Chats or Loaders
 - **login.js** – default page of the application. It allows a login feature and directs the user to index.js when logged in successfully or allows users to switch to the signup.js page.
 - **signup.js** – allows the signup feature to user and directs the user to index.js when sign up successfully or allows users to switch to the login.js page.
- **public /**
 - **loader.svg**
 - **next.svg**
 - **typing.svg**
 - **vercel.svg**
- **styles /**
 - **globals.css** – consists of all the additional and manual stylings added in application.
- **utils /**
 - **constants.js** – consists of an array of colours used in user profile display .

Folder and File Structure