

React Native Messaging App

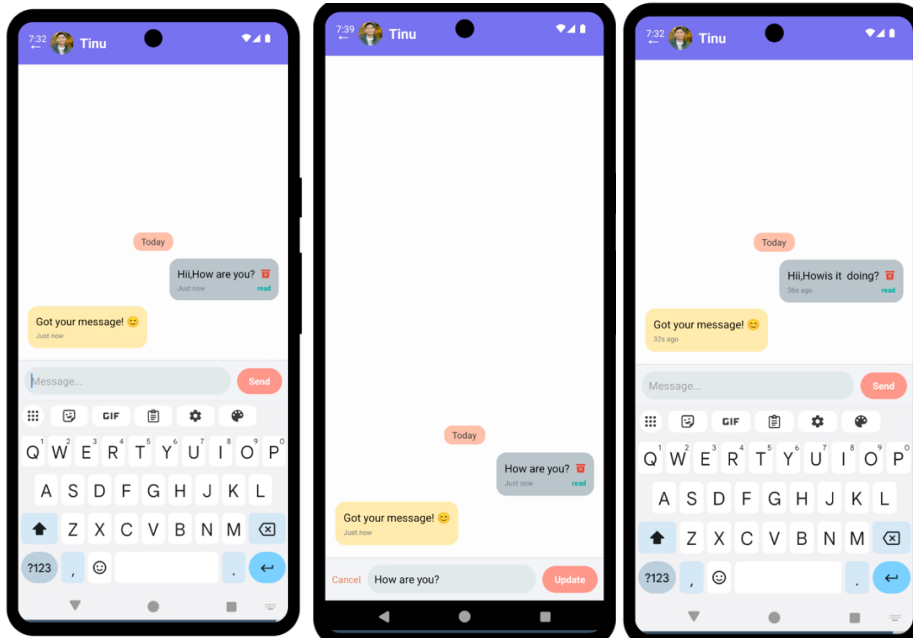
This is a simple react native messaging app which shows a group of people to whom we can just message and in fact make some changes like delete, edit, favourites and all that. Beside that, this Native messaging app that lets you select a friend from a list, send and edit messages, and see message statuses with a neat chat UI.

Features

- **Friend List:** Displays a list of friends with avatars.
- **Chat Screen:** Shows messages with date headers (Today, Yesterday, or date).
- **Send & Edit Messages:** Send new messages or tap your own messages to edit them.
- **Delete Messages:** Delete your sent messages immediately by tapping the trash icon.
- **Message Status:** Messages go through statuses: sent, delivered, and read.
- **Auto Reply:** Friend automatically replies to your messages after a delay.
- **Timestamp:** Shows relative time like "Just now", "5m ago", or time for older messages.
- **Keyboard Avoiding:** Input adjusts properly on iOS and Android.

Screenshots





Project structure

MessagingApp/-

└ App.js	# in this main component handling UI, state, and logic
└ assets/	# this is the folder for images and static assets
- .png	
└ components/	# kind of optionalFor modularizing future components
- AssetExample.js	
└ node_modules/	# for project dependencies
└ package.json	# project metadata and scripts
└ README.pdf	# full project documentation this file

Requirements

Node.js & npm

- React Native CLI
- Android Studio or Xcode (for simulators/emulators)
- Installed dependencies

Install Dependencies

- npm install

Install Required Fonts for Icons

This app uses Ionicons from react-native-vector-icons.

- npm install react-native-vector-icons

Running the App

Android

- npx react-native run-android

Make sure a simulator/emulator is running or a device is connected.

Technologies Used

- React Native
- React Hooks
- react-native-vector-icons (Ionicons)
- Flexbox for layout
- FlatList for rendering chat and friend list

Usage

- Open the app.
- Select a friend from the list.
- Send messages in the chat screen.
- Tap your own message to edit it.
- Delete a message by tapping the trash icon next to it.
- Use the back arrow in the chat header to return to the friend list.

Code Overview

- App.js is the main component handling:
 - Friend selection and chat state.
 - Sending, editing, and deleting messages.
 - Rendering message list with date headers.
 - Showing message statuses.
 - Auto-reply logic for demonstration.
- Styles are created with stylesheet and aim for a clean, colorful UI.

Important Notes

- The app currently stores all data in component state and does not persist messages on reload.
- Message IDs are generated using timestamps (`Date.now ()`).
- Auto reply is a simple simulated response for demonstration purposes.
- No backend or networking implemented; all data is local.

Dependencies

- react-native
- react-native-vector-icons (Ionicons)