# Mobile Programming

Akash Trivedi, 1272839  
COMP-5450-SA - Mobile Programming

# MESSAGE DIRECTORY APP

Exercise-2

## Introduction

This React Native + Expo project implements a Message Directory App where users can create message groups (like folders or Trello boards), each containing editable messages. The project features persistent storage using AsyncStorage and provides search functionality for both groups and messages.

## Functionality

- Create new message groups

- Add an initial message while creating the group

- Search and filter message groups

- View all messages in a group

- Add new messages to a group

- Edit existing messages

- Search/filter messages

- All data stored persistently via AsyncStorage

## 🗂️ Project Structure

src/  
├── components/  
│ ├── Card.js # UI component for a single message card  
│ └── Column.js # Column that shows messages within a group  
├── data/  
│ └── directories.js # Optional seed data (currently unused if AsyncStorage is active)  
├── screens/  
│ ├── BoardScreen.js # Shows messages for a selected group  
│ └── HomeScreen.js # Shows group list and handles group creation  
├── AppNavigator.js # Stack navigator setup  
└── App.js # App entry point with font loading and navigation

## How to Run

1. Clone the repository or copy the project folder

2. Run `npm install` or `yarn install`

3. Start the Expo server using `npx expo start`

4. Open the app using Expo Go or emulator

## Screenshots

## 

## 

## 

## Conclusion

This app successfully demonstrates a mobile-based message directory implementation using React Native, following a modular project structure, AsyncStorage for persistence, and functional UI components.

## GitHub Repo

<https://github.com/AkashTrivedi29/React-Message-Directory-App>