***Project Overview***

This is a React Native mobile application that allows users to perform CRUD (create, read, update, delete) operations on a JSON server dummy cars API. It also includes authentication (login and registration) functionality using Redux, and uses various third-party packages such as Formik for form handling, react-native-dropdown-picker for custom dropdowns, and react-native-modal for modals.

The project is organized into four main folders: assets, navigator, screen, and components. The assets folder contains all the static assets used in the project, including fonts, images, and a spacing file for consistent layout spacing. The navigator folder contains the navigation setup for the app, using React Navigation and defining the various screens and navigation options. The screen folder contains the various screens of the app, including Loginscreen, Registerscreen, and Homescreen. The components folder contains all the custom components used in the app, including custom text input and custom form field.

***Dependencies***

The project relies on a number of third-party dependencies, including:

**axios:** A popular library for making HTTP requests in JavaScript, used in this project for making requests to the JSON server dummy cars API.

**react-native-dropdown-picker:** A custom dropdown component for React Native that allows for customization of dropdowns, used in this project for displaying dropdown menus for car make and model selection.

**Formik:** A library for building and handling forms in React, used in this project for building the login and registration forms.

**redux and react-redux**: Libraries for managing the state of a React application, used in this project for managing authentication state and API data.

**react-native-modal:** A library for building modals in React Native, used in this project for displaying confirmation modals for deleting cars.

**json-server: A** library for creating a mock REST API for testing and development purposes.

***Screens***

The project includes the following screens:

**Loginscreen**: A screen for user authentication where users can log in to the app using their credentials.

**Registerscreen**: A screen for user authentication where users can register a new account in the app.

**Homescreen**: The main screen of the app where users can view, add, edit, and delete cars from the JSON server dummy cars API.

***Custom Components***

The project includes custom components built by the developer, including:

Custom TextInput: A custom text input component that can be used throughout the app.

Custom FormField: A custom form field component that can be used throughout the app.

Custom Button: A custom touchable opacity component that can be used throughout the app.

**src/**

**├── assets/**

**│ ├── fonts/**

**│ ├── images/**

**│ └── spacing.js**

**├── navigator/**

**│ ├── AppNavigator.js**

**│ └── screens.js**

**├── screen/**

**│ ├── Homescreen.js**

**│ ├── Loginscreen.js**

**│ └── Registerscreen.js**

**└── components/**

**├── CustomFormField.js**

**├── CustomTextInput.js**

**└── CustomTouchableOpacity.js**