This project React Native tourist guide provides the tourist with city map depending on its current location entered by the android phone user. This information helps the tourists to find the desired locations to visit. Well it consists of entire details of those locations or how to reach the location as well as other emergency amenities like hospitals, institutes, bus stops etc. but it provides the basic information to decide the places to visit. This project is mainly beneficial for the tourist's having no idea about the places they want to visit. By providing a geographic based information system the tourists and people shifting to new cities can get a better guidance of the places they want to visit .This proposed application does not require any internet access and thus eliminates the disadvantage of single point failure. By making the application GIS based, it includes many advantages as the user can view the required location in map and accordingly estimate the time that will be required to reach the destination. The system gives the basic details that will be required such as an image of that place along with basic details like the address, contact no etc. The user can also zoom in and zoom out to seek a better view.

Features:

- **User login:** This allows only the registered users to login in order to use this location tracking application.
- **Location based information:** The Tourist is just required to enter the location and can view the information about places depending on the location entered.

- **Navigation:** The user can easily navigate through the map in order to find the desired location.
- **Information:** User can get fluent idea about the location from the last travelers'.

Frond End:

Node

Node is the name of the engine that will power our apps (both the front-end and back-end), which will be written in Java script. Node's package manager, NPM, provides us access to the *largest ecosystem of open-source libraries in the world*, which means most of the time, somebody else has done the work for us. We will not be re-inventing the wheel.

React Native

Developing with React is a truly beautiful experience; you'll never want to use anything else. React is an open-source front-end development framework maintained by Facebook, and React Native is a framework which allows us to build cross-platform Android/iOS applications.

Redux

Redux is a simple, yet powerful, application *state-container* and architecture pattern. It enables us to write well-structured, predictable code, and it pairs fantastically with React.

Express

React and Redux are used to build the front-end of our application, and Express is what runs on the server. Express is a web application server micro-framework that comes with an entire ecosystem of extensions. We'll use Express to build out a fully featured backend API to power the server-side of our app *so easily*.

Back End:

mongo DB

Our application's server needs a database to store a user's information. We'll be using a *document-oriented* database called MongoDB, which stores data in the same format that our app and server understands. Our app, server, and database will all speak the same language, and it'll make our lives so much.

Applications:

- This application can be used by any common people visiting new places.
- The application can prove very beneficial to the tourist who have very less or completely no idea about the places to visit.