1). Assumption/constraints in your Execution

1. For Signup Required

- First Name should be in string Format

- Last Name should be in string format

- Email should be in a mentioned format like abc@gmail.com

- Password should be of any type in string format

2. For Login required

- Email should be in a mentioned format like abc@gmail.com
- Password should be in string format

3. For GPS summaries Entity

1). Insert data in this given format: deviceId, deviceType, `timeStamp`, location

all are required and the timestamp format should be in the correct format like '2022-08-31 10:05:00'

2). Technology Concept Used

FrontEnd: React.Js

BackEnd: NodeJs

Database: MYSQL

To communicate frontend with a backend I have used REST APIs.

3). Possible enhancements to improve the user experience.

it is the initial steps of the project so a possible enhancement will be we have to improve security during signup and login, we can use OTP-based verification and generate a verification link so it confirms that the right user is login and I think this will improve the user experience and it keeps safe from hacking and data theft.

We have to generate a pdf as per the user's requirement to find the GPS summaries so that the user can store this detail for future reference.

4). Thoughts on the scalability of the solution

1. implement the module for Html-pdf generated for keeping details of GPS summaries

2. implement constraints for a strong password and for OTP verification or email verification link.