PROJECT STATEMENT:

A web application to have a separate platform for cab-sharing activities.

FUNCTIONAL REQUIREMENTS:

- User can **create** schedules with source/destination/date/time details.
- User can **search** among the existing schedules created by the other users.
- User can **join/unjoin** in any of the schedules created by the other users.
- User can view the **count & details** of other users who are already in a particular schedule.
- User can view their previous schedules and upcoming schedules under My Bookings tab.

CONTRIBUTIONS:

- **MAHIDHAR:**
  - **REACT JS COMPONENTS :**
    - Navigation Bar, Admin Navigation Bar

  - **FRONT END PAGES :**
    - Login page, Entire admin pages (users, schedules, places pages)

  - **FRONT END FUNCTIONALITIES:**
    - Implemented Google Sign-In, authentication through Google auth strategy 20, Added private routing for users, added private routing for admin

  - **BACKEND:**
    - backend setup with nodejs, and added backend support for login pages, admin pages, DB connection
  - **TESTING:**
    - Setup for the testing, for both front-end(reactjs) and backend(nodejs) using jest
  - **TEST CASES:**
    - Total 21 test cases (12 suites).
    - 15 test cases (6 test suites) for fornt-end. (
    - 6 test cases (6 test suites) for back-end.

Rithvik Contributions

- Frontend:
  - Home page
    - Added Search Element with integration of Dropdown
    - Table Ui element –TableTest.js
  - Whole MyBooking Page
  - Added Loading Pages
- Backend:
  - Join/unJoin/Mybooking/createschedule Apis are written
  - Search api
- Testcases : Mybooking,JoinDialogue box ,CreateSchedule Dialogue Box,table,tabletest test cases.
  - 21 test cases
  - 5 test suites

Gnaneswar Contributions

- Frontend:
  - Dropdown
    - Used in search, createschedule pages
  - JoinDialogbox, CreateSchedulEdialogbox
    - Used in join, createschedule pages
- Backend:
  - Api for dropdown (to get the menu list)
- Testcases : Dropdown, search
  - 9 test cases
  - 2 test suites (search.test.js, dropdown.test.js)

BHANU PRAKASH CONTRIBUTIONS :

- Created My Profile page, integrated with database and written the test cases.
- 8 test cases and 1 test suite.

IMPLEMENTATION DETAILS

- NUMBER OF LINES OF CODE WRITTEN:
  - **4254**

- LANGUAGES USED:
  - **JavaScript (Front-End: React.js, Back-End: Node.js), HTML, CSS**

- NUMBER OF TEST CASES WRITTEN:
  - 14 (Test Suites) with 50 (Test cases) for FRONT-END
  - 6(Test Suites) with 6 (Test cases) for BACK-END

- DATABASE SYSTEMS:
  - MySQL (Microsoft Azure)

- LIST OF EXISTING TOOLS/PLUGINS/SOFTWARE SYSTEMS USED:
  - VSCODE, GITHUB, JEST