KLE Society's
KLE Technological University

Open Ended (OE) Assessment Report

On

OLA -Simulation of App

Object Oriented Programming (20ECSC204)
Object Oriented Programming Lab (20ECSP203)

Submitted by

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SCHOOL OF COMPUTER SCIENCE & ENGINEERING

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1. Introduction

   1.1 - Overview

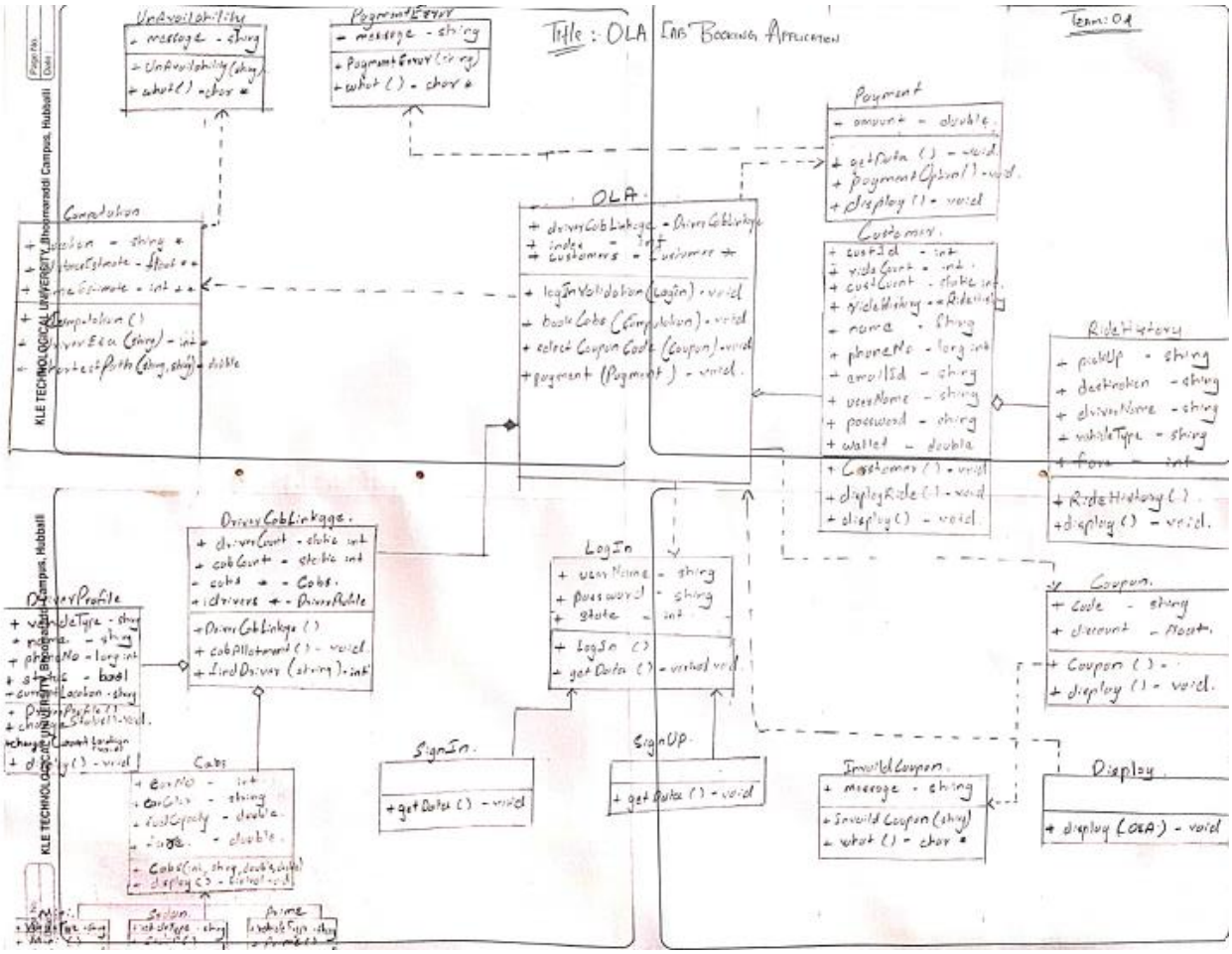
   The problem statement here is to create a program using concepts of Object Oriented Programming to clone the working of **OLA**.

   1.2 – Features of the application

   - Users have to have an account to perform some transaction which can be done by signing up.
   - Users can login only if an account exists.
   - Users can register themselves.
   - Users can view their past history.
   - Users are enabled to enter their current location and also the destination place.
   - Users are enabled with the cab service.
   - Users are available with various payment options.
   - User are also provided with various coupon options.
   - The simulation involves floyed's algorithm to find driver near to the user.
   - The program uses Dijektra's algorithm to find shortest path between source and destination of user.
   - Program also has some exception classes which enables handling errors generated.
   - Simulation provides various options for Cabs.

2. Design

   2.1 Class Diagram :



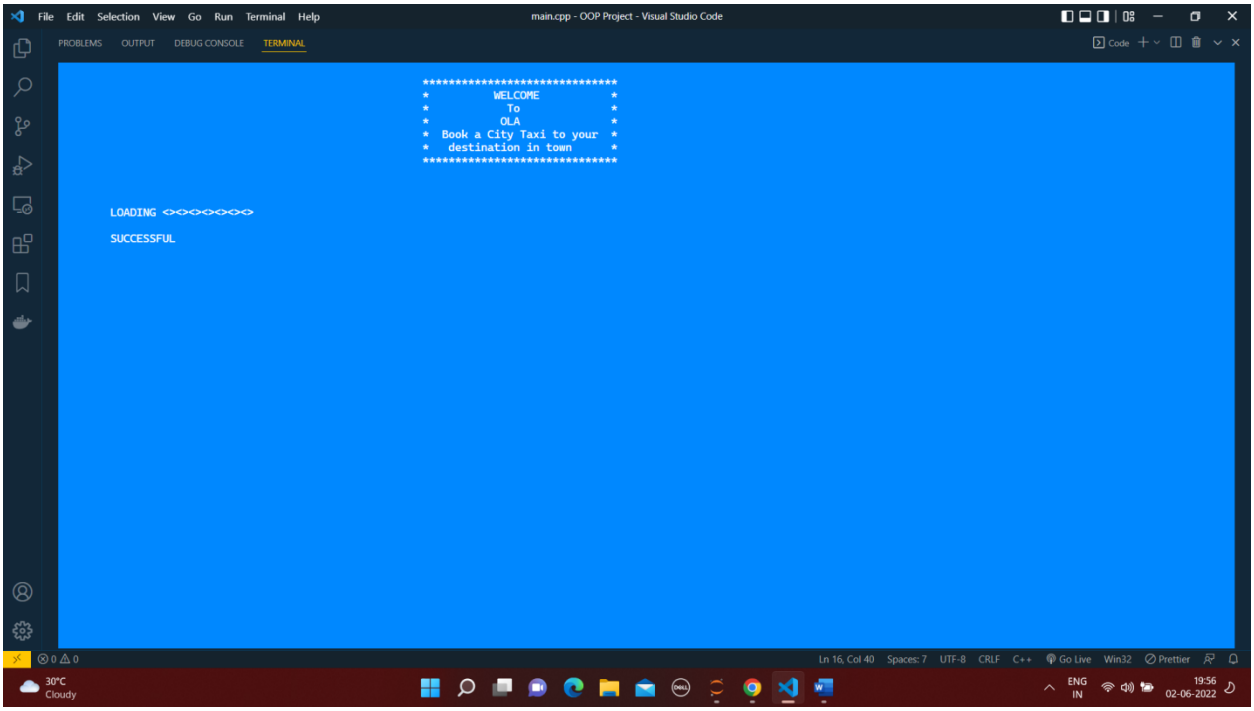
3. Implementation

3.1 Test Plans :

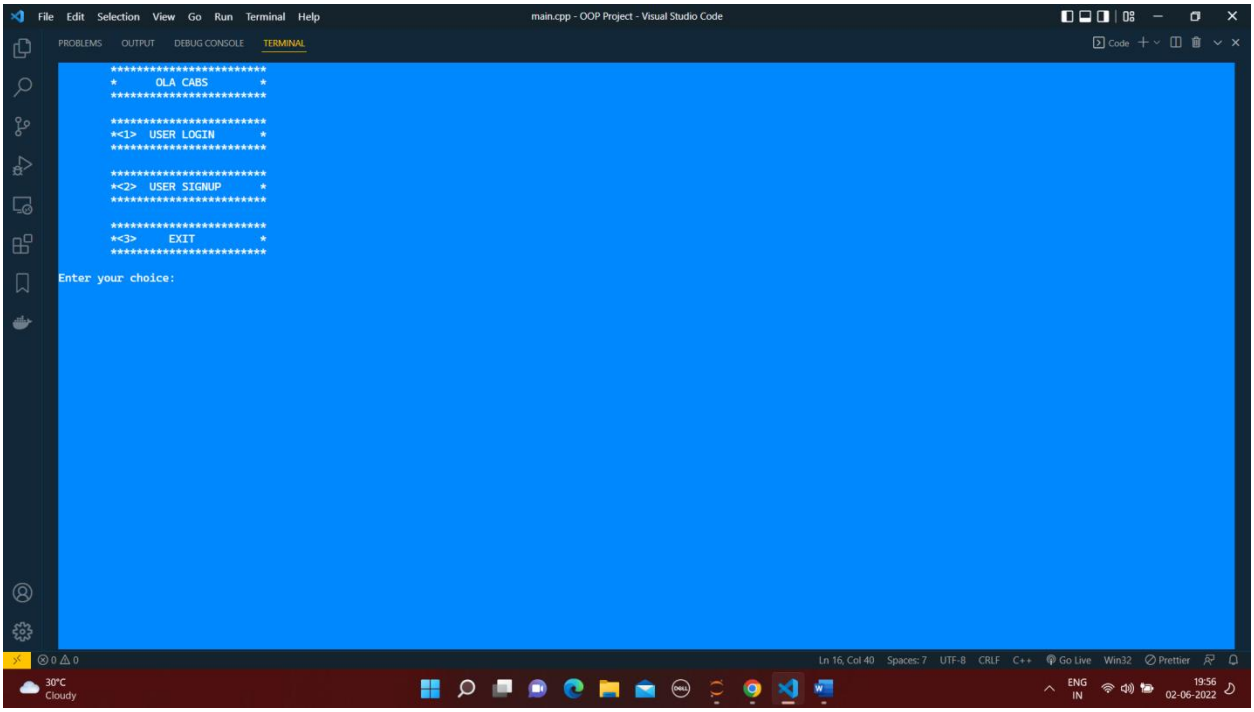
Test case number	Test case description	Input	Expected output	Test status
1	Signing In with Mobile number	Mobile number	View of Menu bar	PASS
2	Signing Up	Customer Details	View of Menu bar(Signed Up)	PASS
3	Booking a ride	Pickup and destination	Track of root and amount to be paid	PASS
4	Entering a coupon code	Coupon code	Amount to be paid after deducting discount	PASS
5	View Ride history	Choice to view	Ride histories	PASS

3.2 Results:

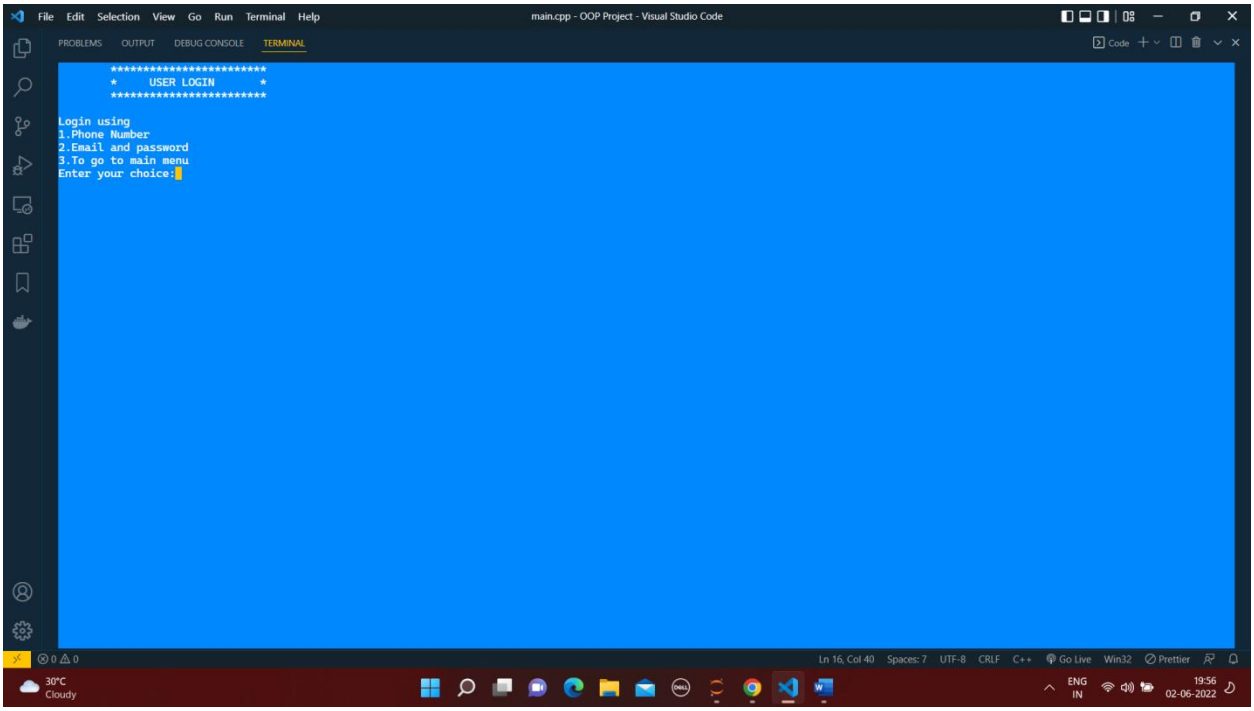
Welcome Screen



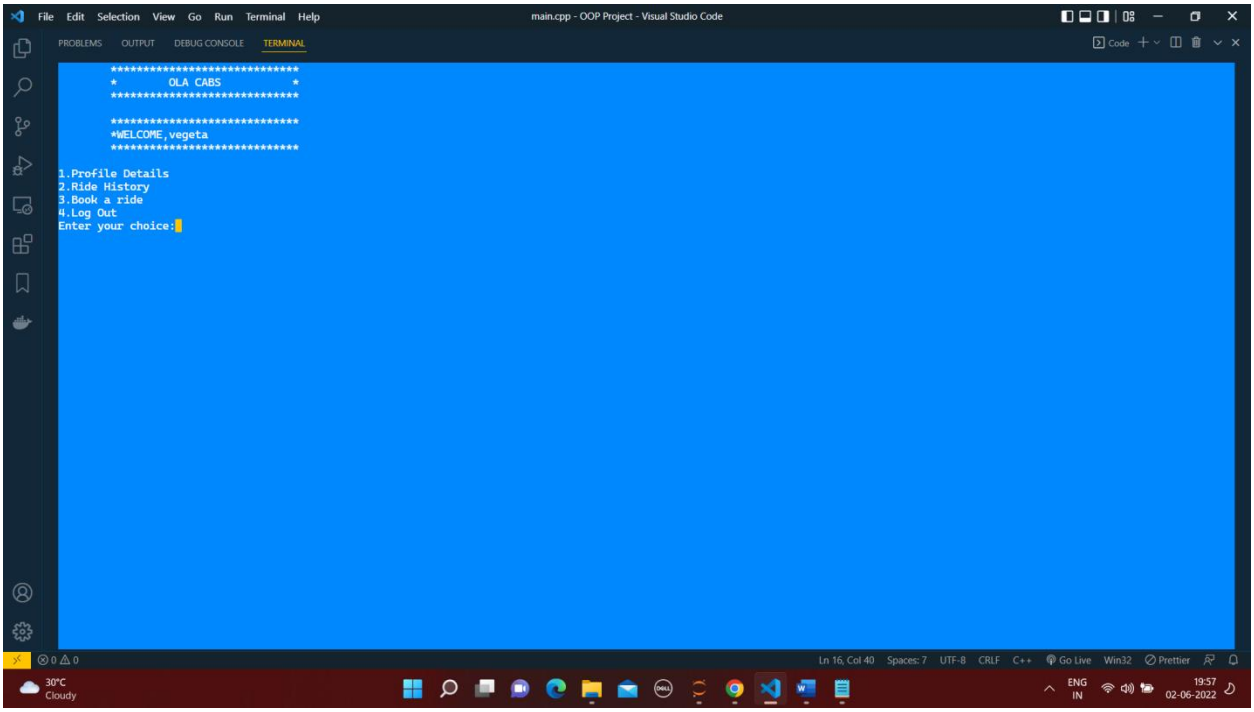
Main Menu



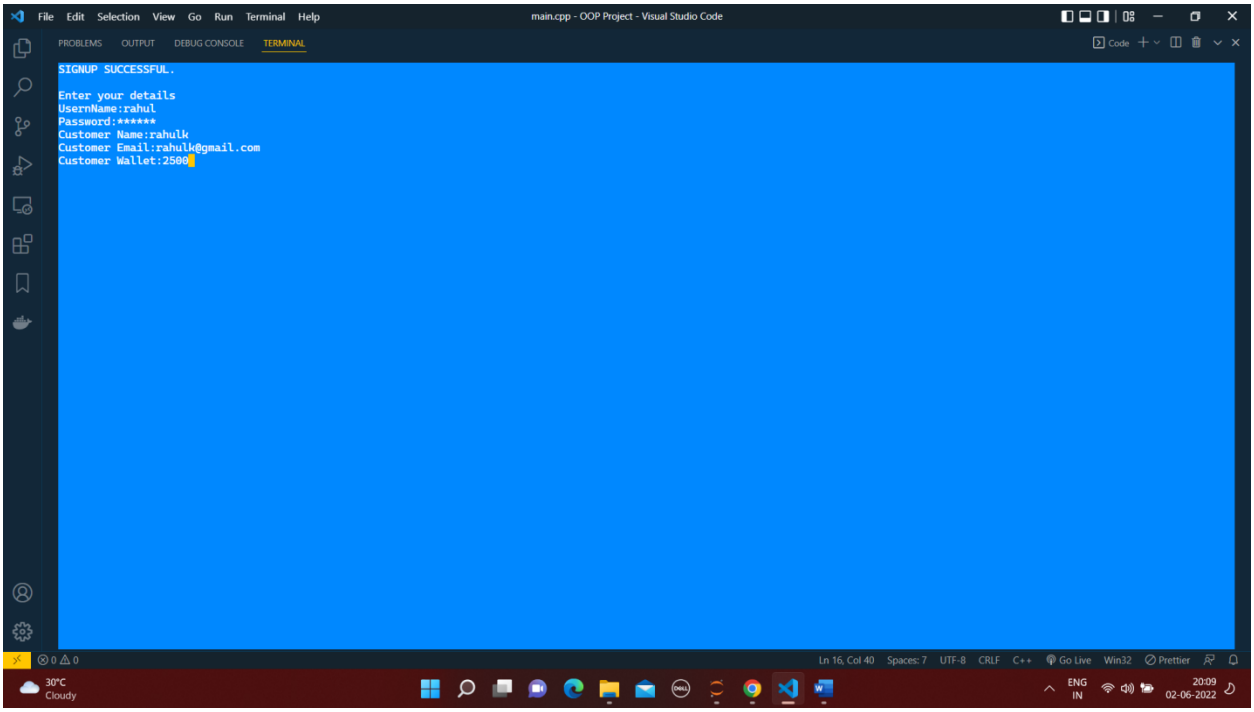
Login Option:



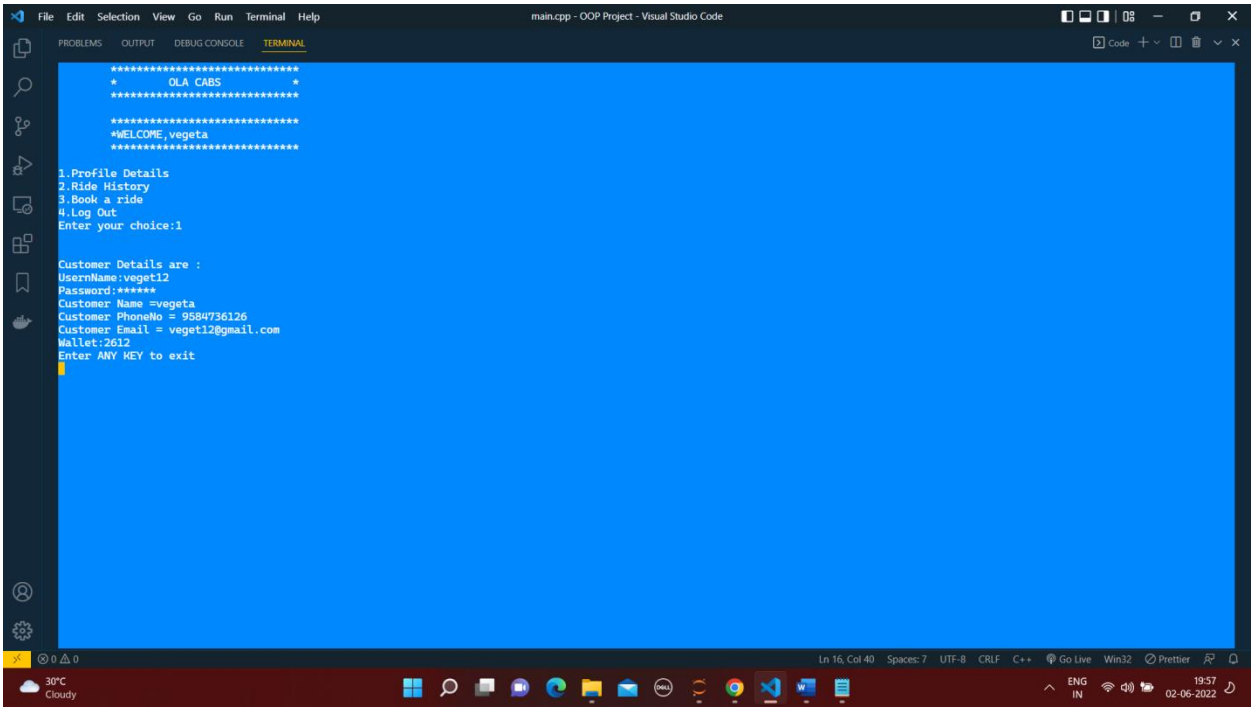
Successful Login


File Edit Selection View Go Run Terminal Help
main.cpp - OOP Project - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
OLA CABS
*WELCOME,vegeta
1.Profile Details
2.Ride History
3.Book a ride
4.Log Out
Enter your choice:
Ln 16, Col 40 Spaces: 7 UTF-8 CRLF C++ Go Live Win32 Prettier
30°C Cloudy
ENG IN
19:57 02-06-2022

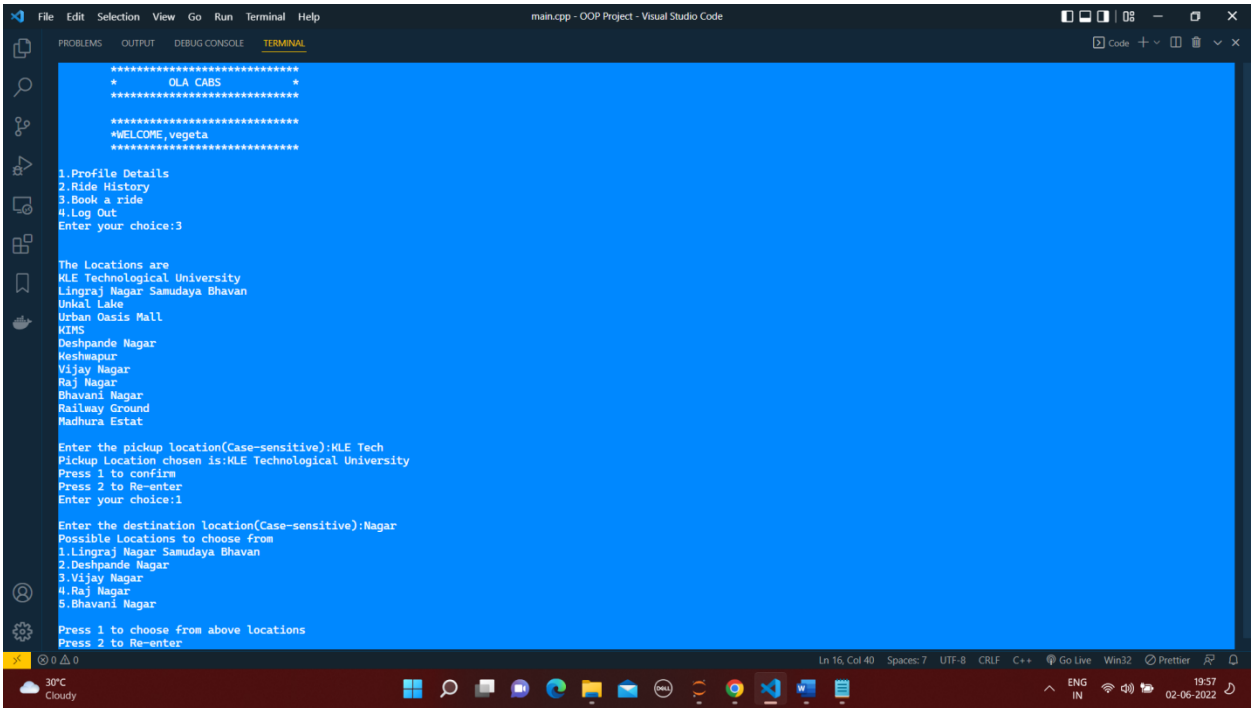
Sign Up



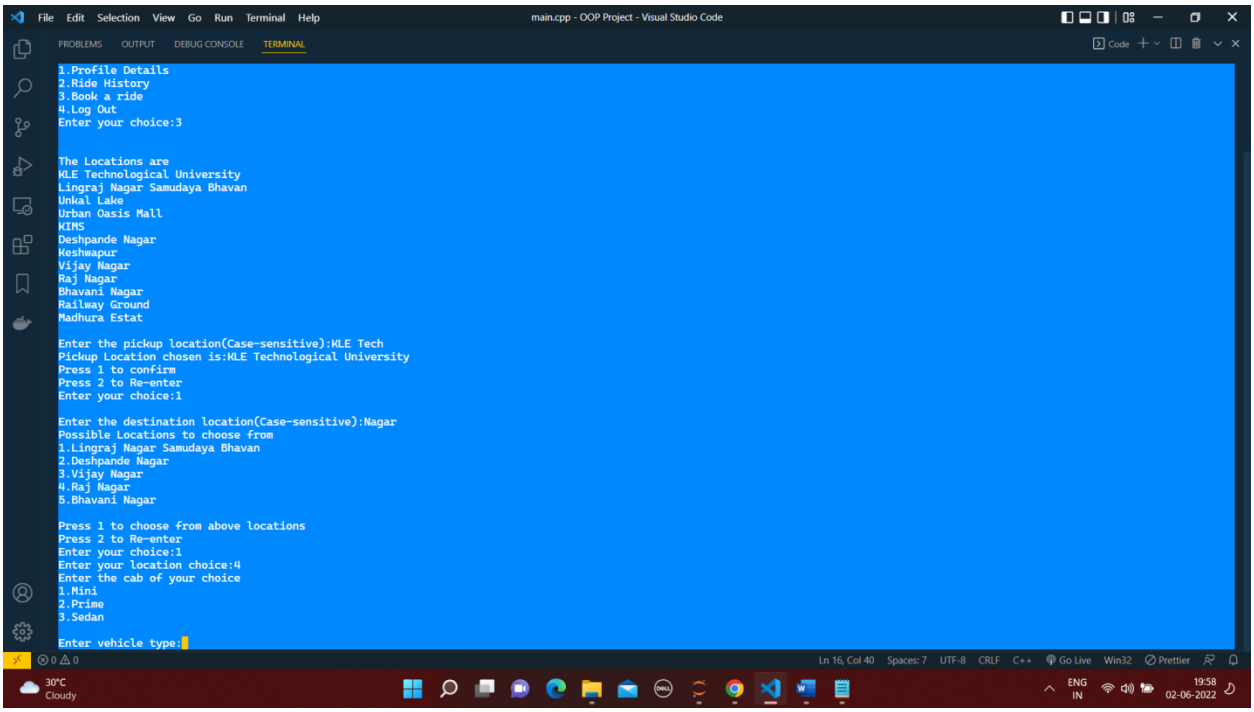
View of Customer Details



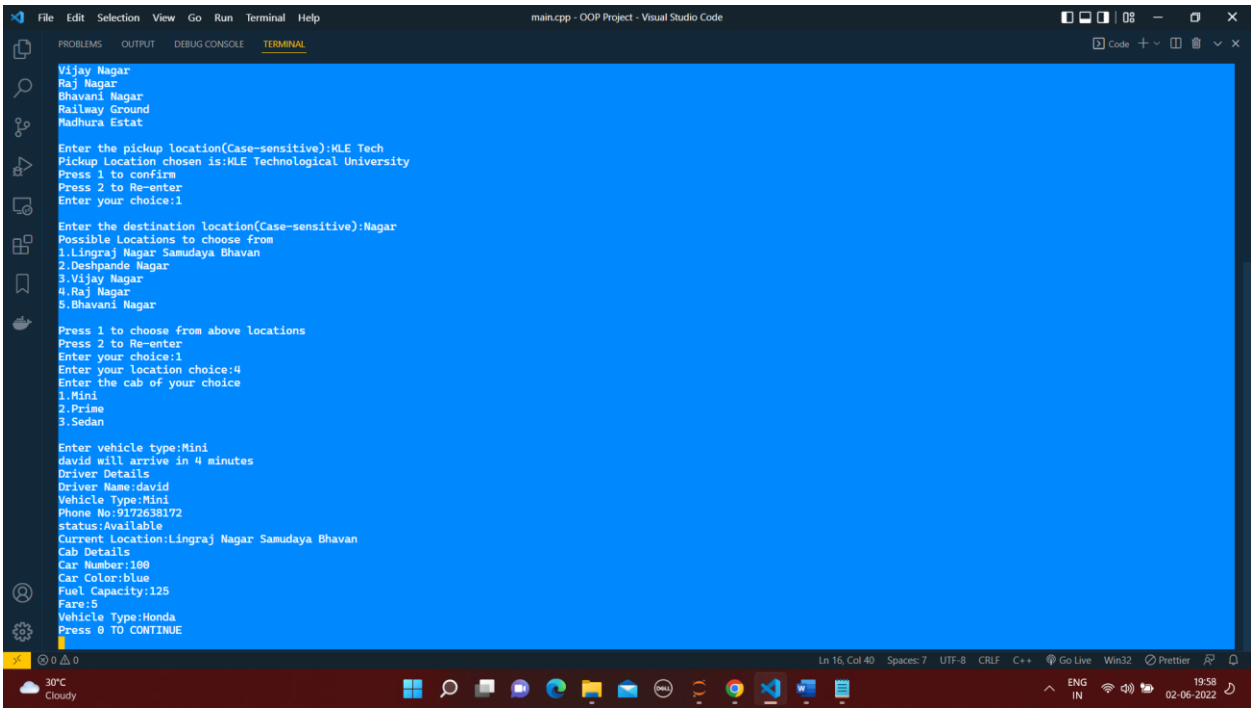
Booking a ride :



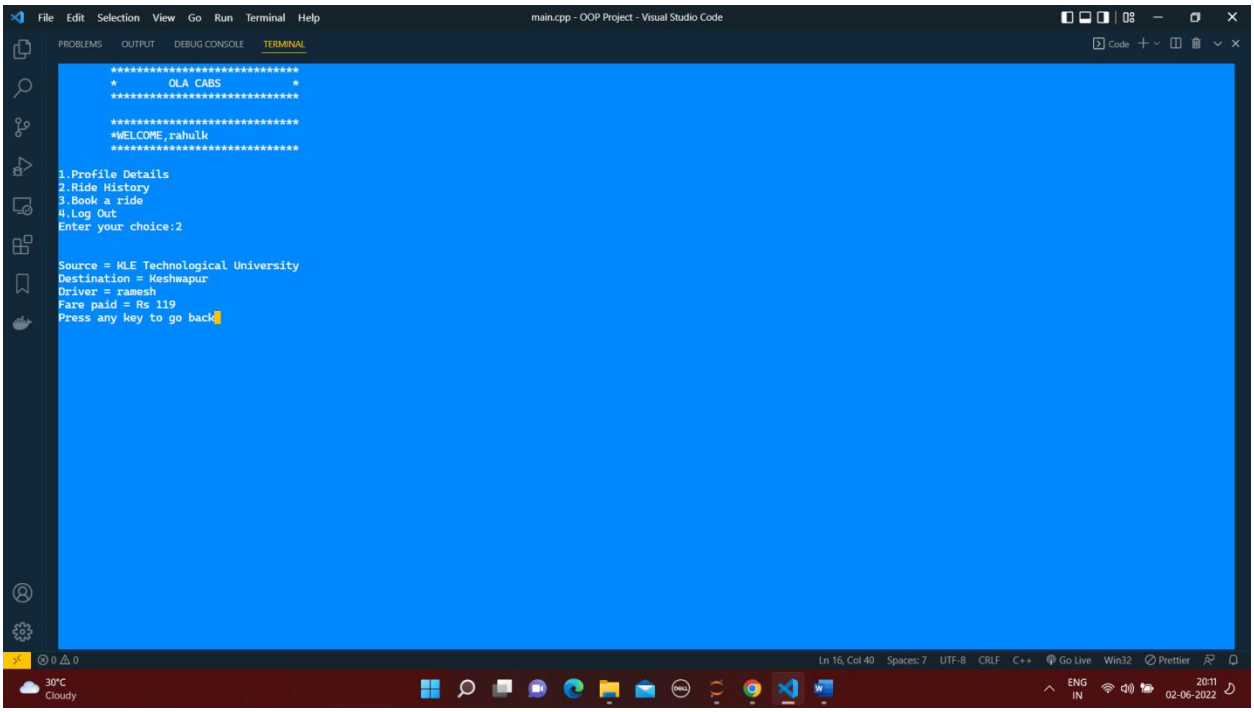
Options to choice Cabs :



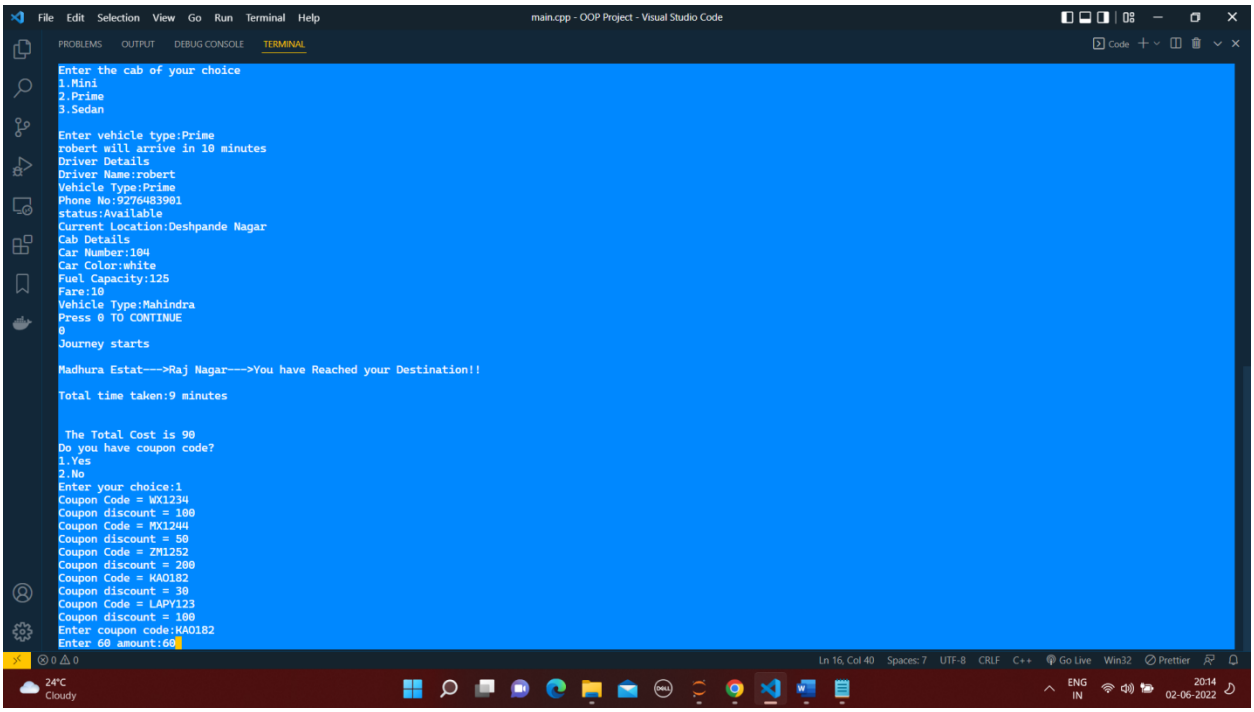
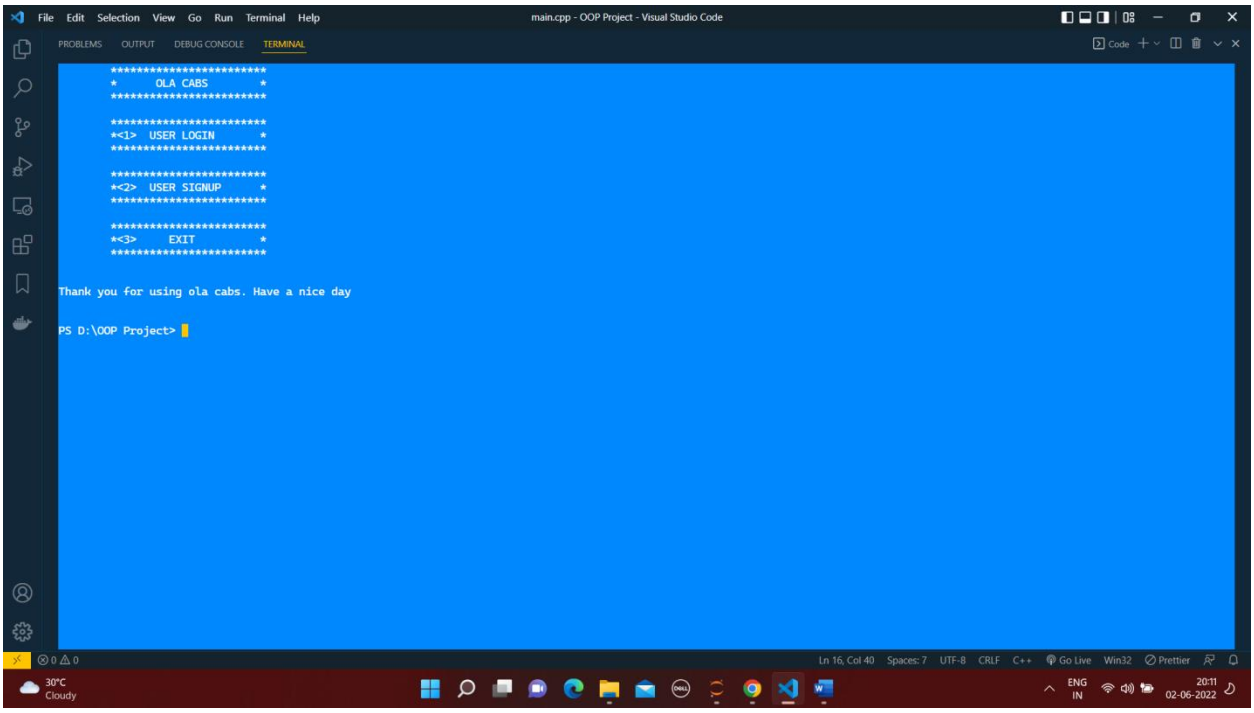
Displaying driver details who is near to pickup location :



Viewing past history :



Displaying available coupons :



After logout for App :