<u>Project Report: Travel Management</u> <u>System</u>

Introduction

The Travel Management System (TMS) is a comprehensive software solution developed to enhance the efficiency and effectiveness of travel-related services. It serves as a one-stop platform for managing customer information, facilitating cab services, handling hotel bookings, and generating accurate billing. The TMS is built using the C++ programming language, offering a robust and portable solution primarily designed for Windows platforms.

Platform

The Travel Management System is developed in C++, leveraging standard C++ libraries and features. Its console-based interface ensures ease of use and portability across different Windows environments. The use of C++ provides a stable foundation for future updates and modifications.

Objectives/Purpose

The core objectives of the Travel Management System are as follows:

Customer Management: Efficiently capture and store customer details, providing a streamlined approach for both customer and administrative purposes.

Cab Services: Simplify the process of cab booking by offering options for standard and luxury cabs, along with transparent cost calculations.

Hotel Bookings: Collaborate with various hotels to provide users with diverse options, allowing them to choose packages tailored to their preferences.

Billing: Generate clear and detailed bills for customers, encompassing both cab and hotel costs.

User Interface: Develop an intuitive and interactive command-line interface for users to navigate through the system seamlessly.

Features

Customer Management

Data Capture: Collect and store essential customer information, including ID, name, age, mobile number, address, and gender.

History Display: Provide a convenient way to access details of old customers.

Cab Services

Cab Options: Present users with options to rent both standard and luxury cabs.

Cost Calculation: Dynamically calculate and display the cost based on the selected cab type and distance.

Hotel Bookings

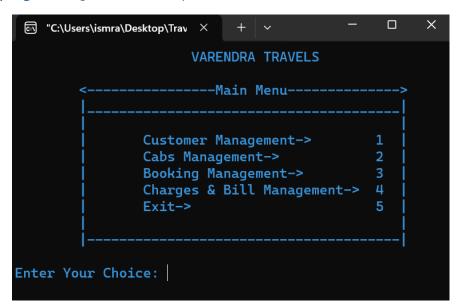
Hotel Collaboration: Partner with multiple hotels to offer a variety of choices.

Package Selection: Allow users to select from different hotel packages with associated costs.

Billing

Receipt Generation: Create detailed receipts for customers, outlining individual charges for hotel and cab services.

Record Keeping: Store generated receipts in a file for future reference.

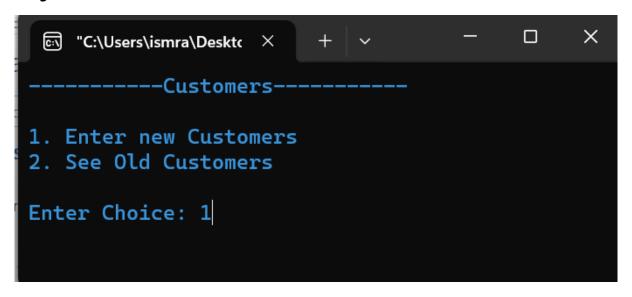


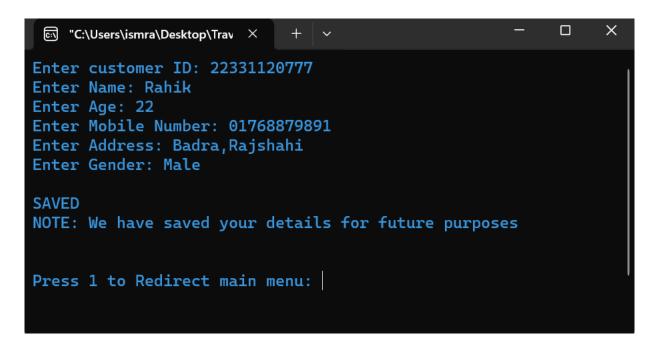
<u>Output</u>

The Travel Management System delivers the following outputs:

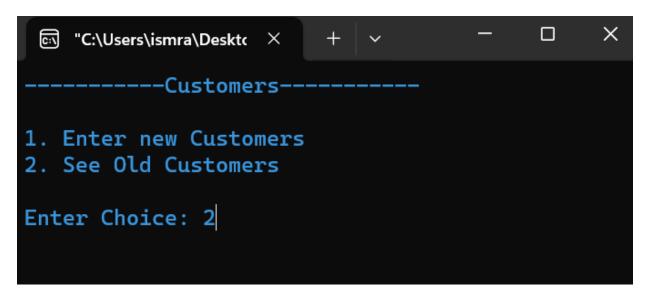
Customer Details: Safely stored in a file for future reference.

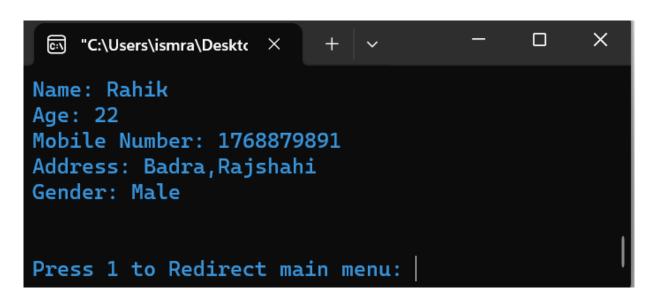
Saving new customer Details:



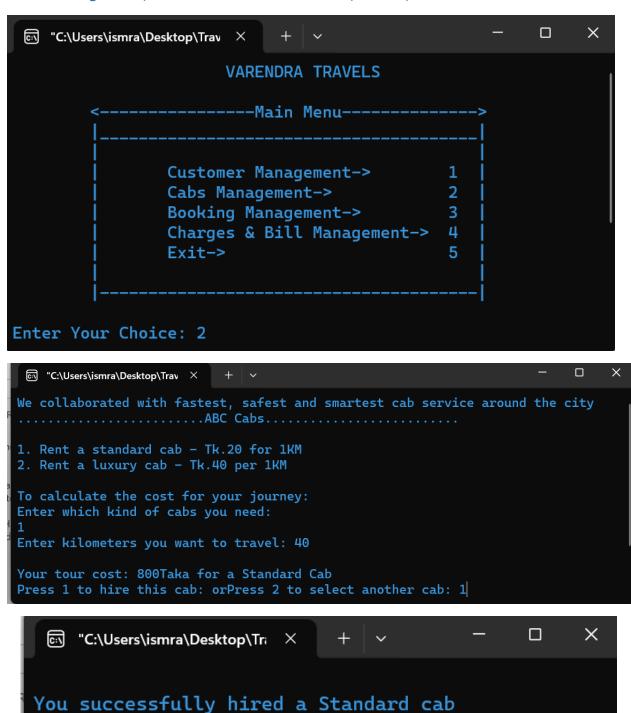


See old Customer details:





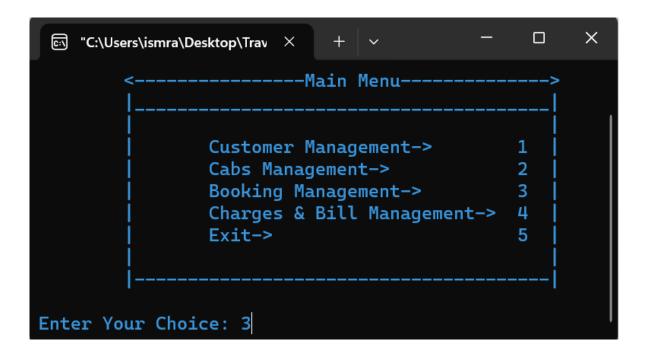
Cab Booking: Transparent cost calculation and an option to proceed with cab hire.

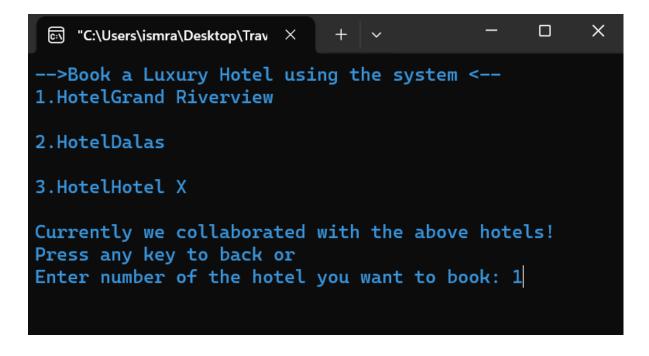


Goto Menu and take your receipt

Press 1 to Redirect to Main menu:

Hotel Booking: A selection of hotels and packages, each with associated costs.





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The best view of the Padma River that you can enjoy. Stay cool and get chilled in the summer sun with our unique beverages.

Packages offered by GRAND RIVERVIEW:

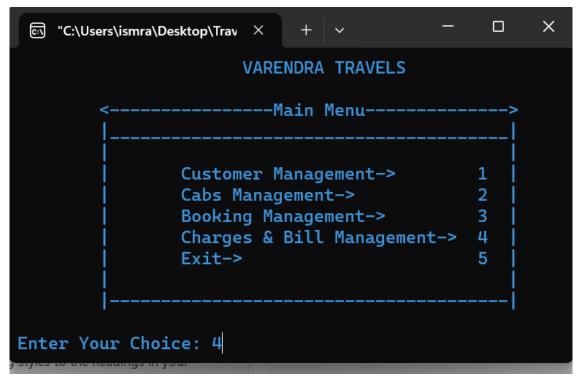
1. Standard Pack
    All basic facilities you need just for: Taka.5000.00
2. Premium Pack
    Enjoy Premium at Taka.10000.00
3. Luxury Pack
    Live a luxury at GRAND RIVERVIEW for only Taka.20000.00

Press another key to back or
Package number you want to book: 1

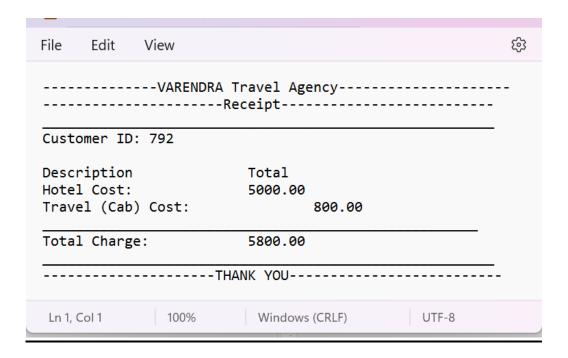
You have successfully booked Standard Pack at GRAND RIVERVIEW
Goto menu and take the receipt

Press 1 to redirect to main menu:
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Billing Receipt: A detailed receipt with a breakdown of charges.







Future Work

User Authentication: Implement secure user authentication mechanisms to restrict access and enhance system security.

Database Integration: Integrate a database system for efficient data management, retrieval, and scalability.

GUI Enhancement: Develop a user-friendly graphical interface to enhance the overall user experience.

Online Booking: Extend the system to enable customers to make bookings online for added convenience.

Conclusion

The Travel Management System serves as a robust and versatile solution for addressing the complexities of travel-related services. With features encompassing customer management, cab services, hotel bookings, and billing, the system caters to the diverse needs of both travel agencies and customers. As the foundation for a comprehensive travel management system,

further developments and enhancements can propel it towards becoming an industry-standard solution.

Submitted by,

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