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A Project On **Railway Ticket Booking System**

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M.C.A. I Sem. 1

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AGENDA

- Project Abstract
- Objective
- System Description (Technologies used)
- Database Design/ File System (Table Designs)
- Diagrams (Use Case Diagram, Activity Diagram).
- Limitation
- References

1. Project Abstract

- The Railway Ticket Booking System is a console-based application.
- It automates and streamlines the ticket reservation process for railway systems.
- Developed using the C programming language.
- The project demonstrates fundamental programming concepts like file handling, data structures, and user interface creation.
- Features of the system include ticket booking, and ticket status checking.
- It aims to provide an efficient, user-friendly, and accessible solution for basic railway reservation needs.

2. Objective

- Automate Ticket Booking
- Secure User Registration
- Destination Selection Options
- Display Ticket Details
- Centralized Admin Management
- Restricted Access for Security
- Enhance Learning in C Programming

3. System Description (Technologies used)

Language	C Language
Operation System	Windows 11
Tools	Dev C++

4. Database Design/ File System (Table Designs)

Admin Database Design :

Admin Register	Admin Login
Admin Full Name	Admin Email Id
Admin Contact Number	Admin Password
Admin Address	
Admin Email Id	
Admin Password	
Admin Repeat Password	

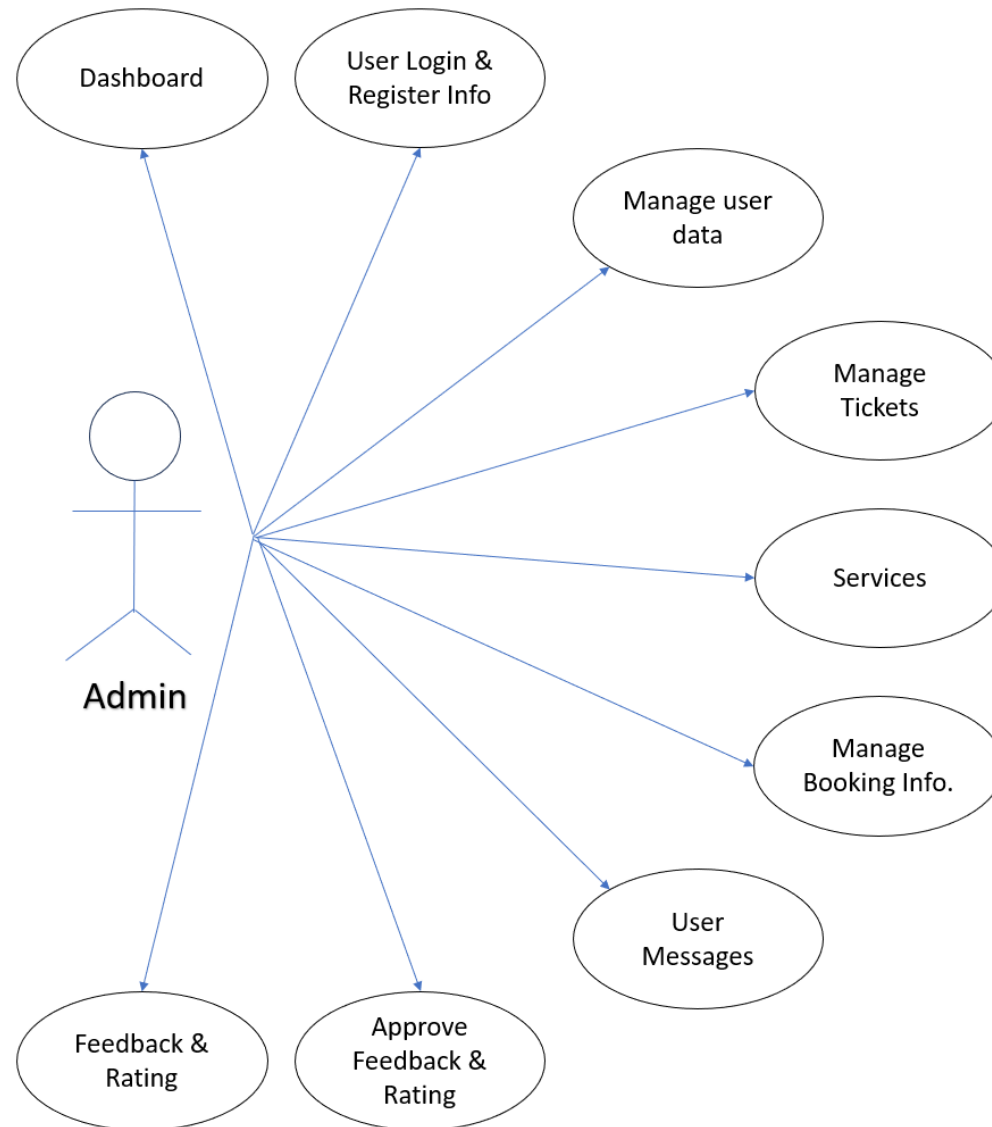
User Database Design:

User Register	User Login
User Full Name	User Email Id
User Contact Number	User Password
User Address	
User Email Id	
User Password	
User Repeat Password	

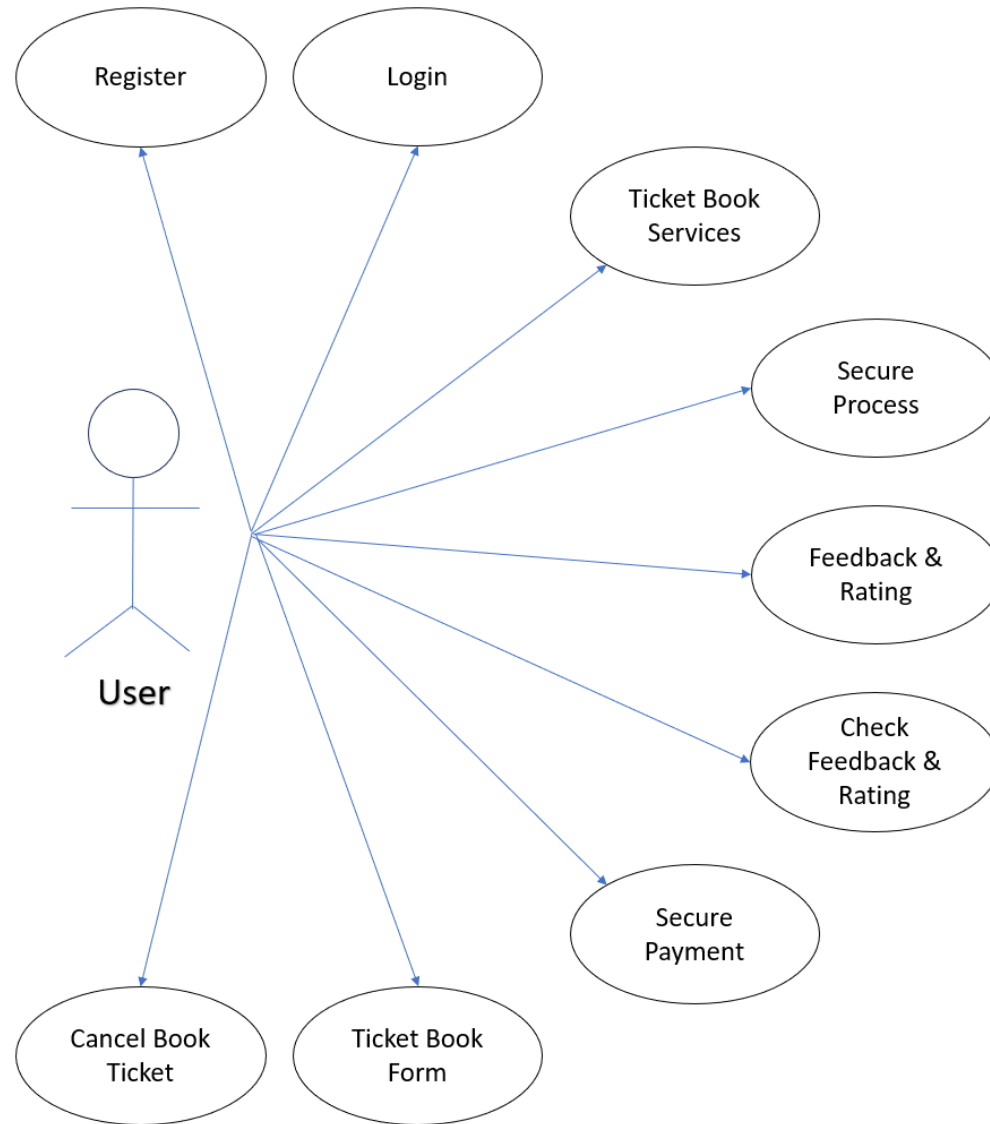
Ticket Booking Database Design:

Tourist Name
Tourist Age
Select Destination
Select Coach [AC & Non-AC]
Select Food [Veg & Non-Veg]
Counts of Tickets
Show Ticket Price
Payment Process
Payments Amount
Payment Id
Payment Process

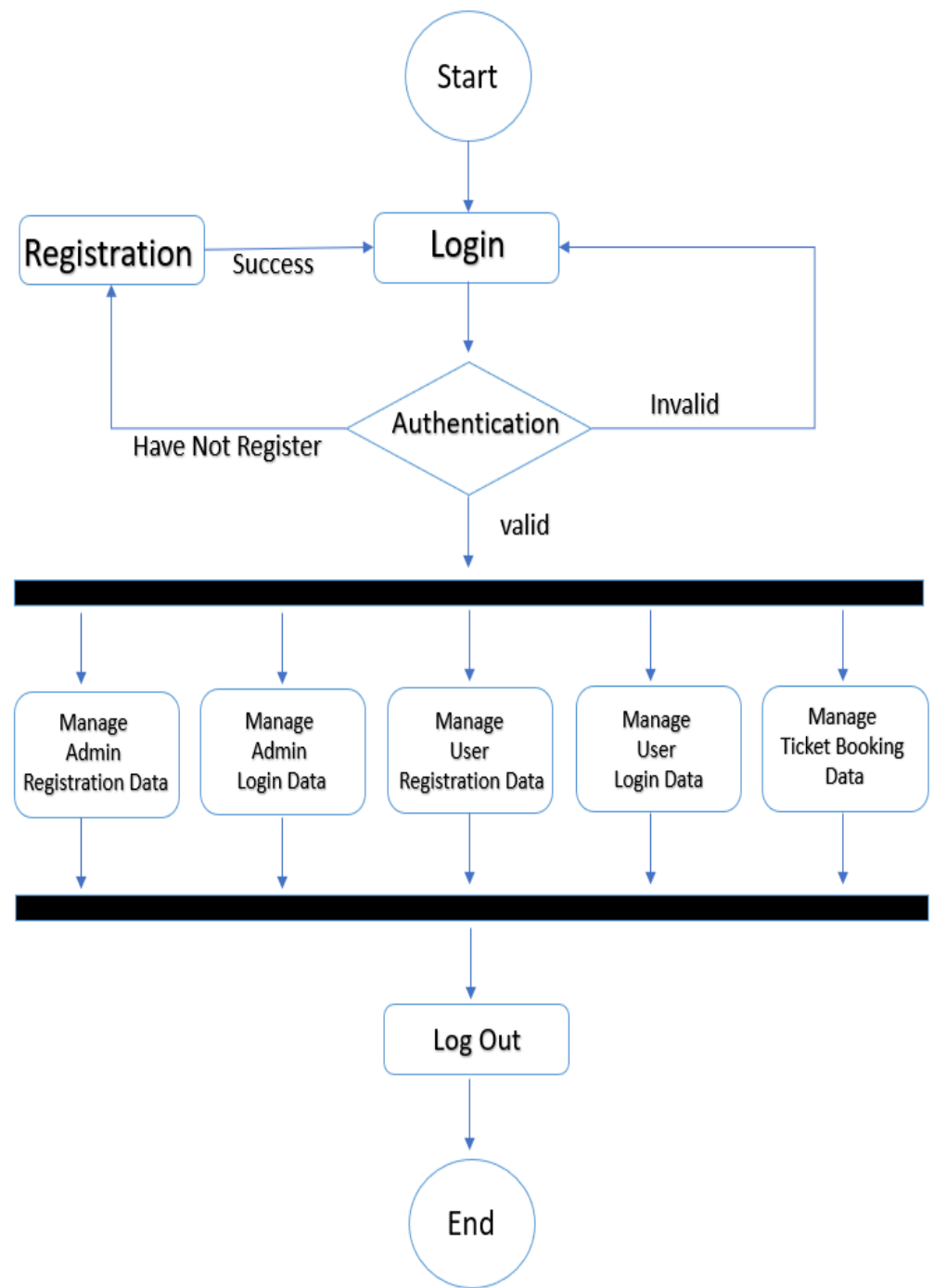
Admin Use-case diagram



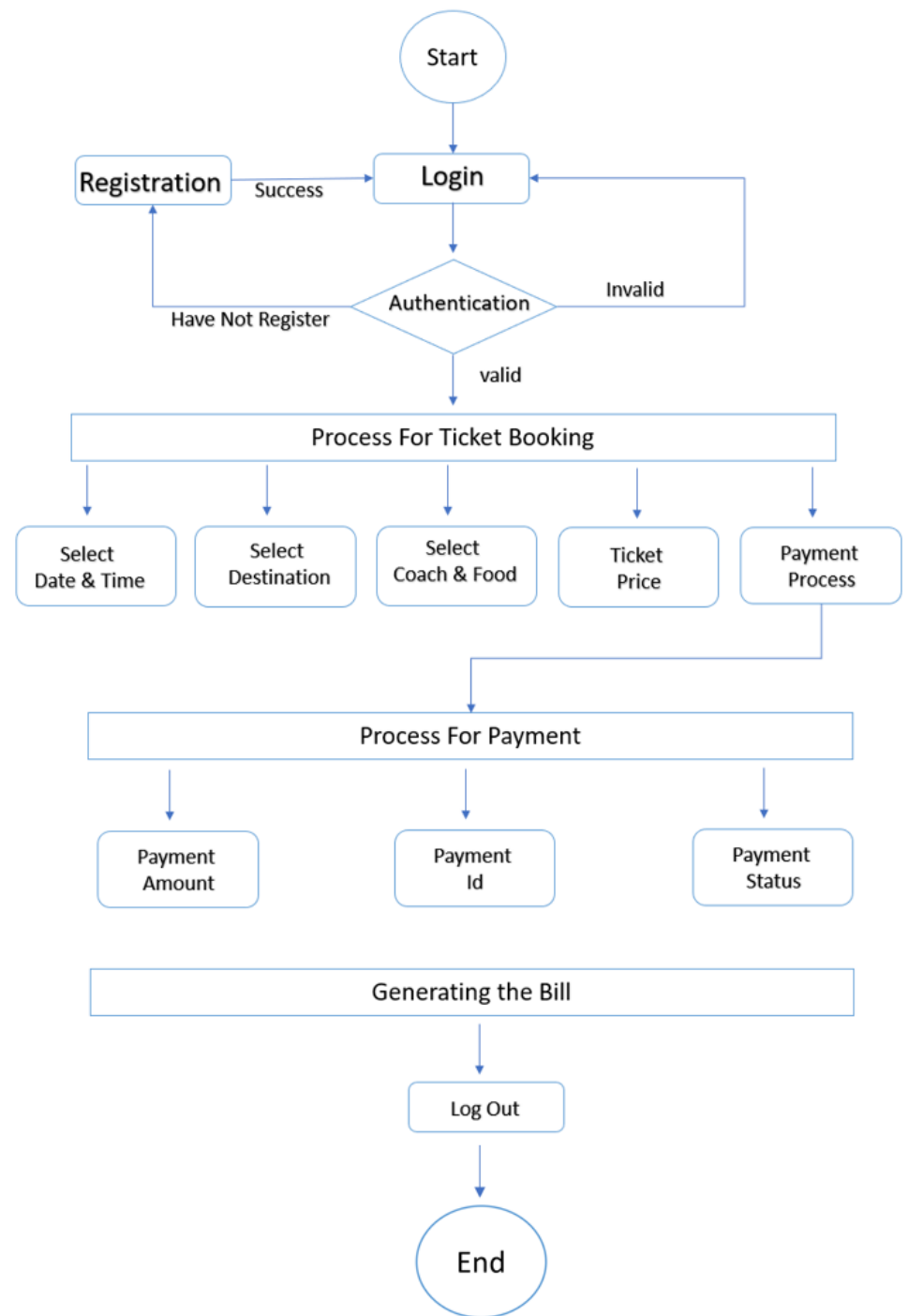
User Use-case diagram



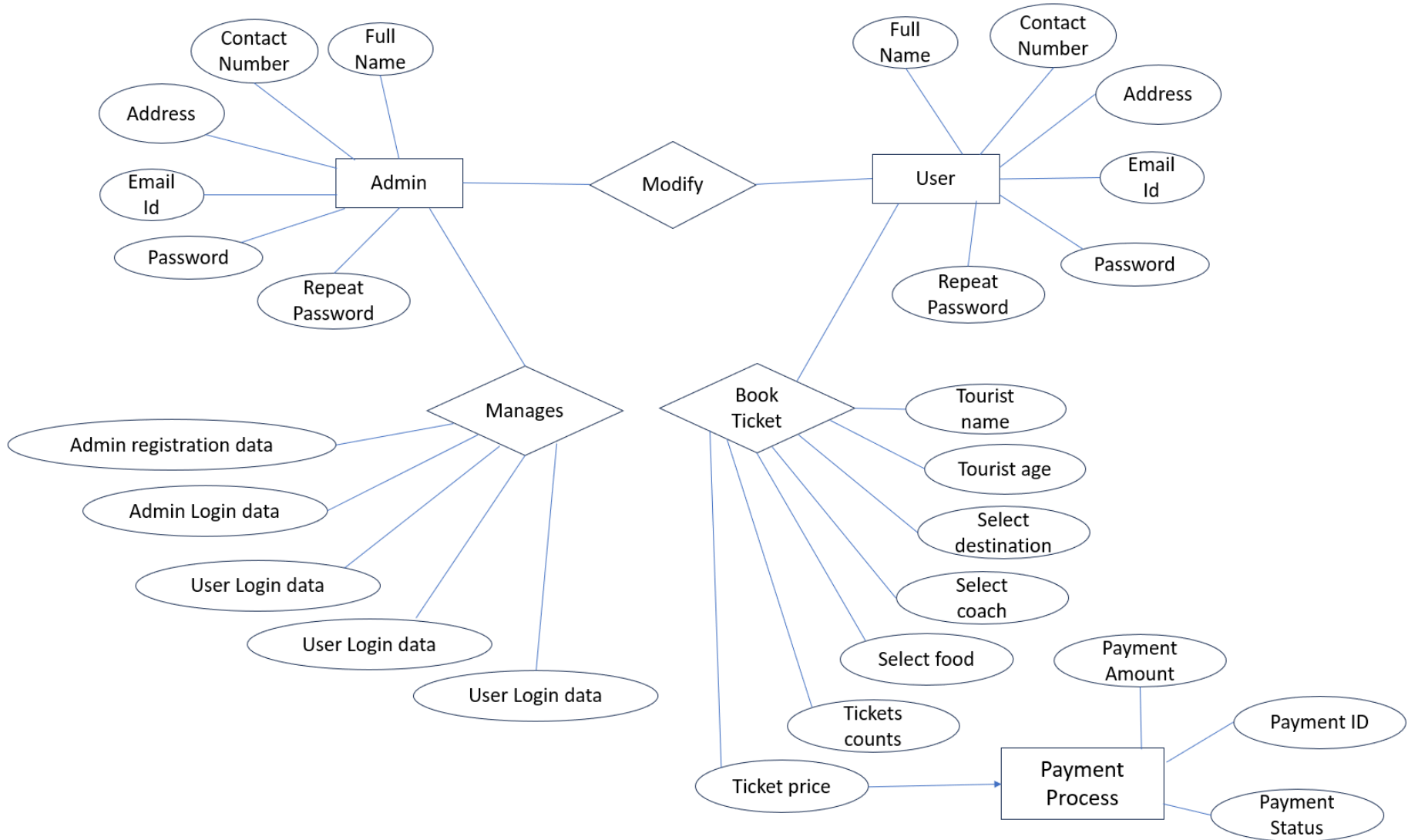
Admin Activity diagram



User Activity diagram



ER diagram



5. Limitation

- Lack of Real-Time Seat Management
- Security Concerns
- Lack of Ticket Cancellation
- Absence of Payment Integration System
- Basic User Interface
- Lack of Input Validation
- Lack of Train Schedule or Timing Data
- No Multi-User Support
- No Ticket Customization Options

6. References

- www.studytonight.com
- www.drawio.com
- www.cppreference.com
- www.scaler.com/topics/c/file-handling-in-c/

Thank You