

# RAILWAY RESERWATION SYSTEM

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# **REQUIREMENTS:**

## **INTRODUCTION**

This mini-project is a console application using the C programming language. This project compiled in VS code with the GCC compiler. In this online application, you can do railway ticket reservation like ticket availability, ticket booking, train details.

## **COST AND FEATURES**

When talking about the railway ticket reservation system there are a lot of things that are to be taken into consideration. its features as wells as to generate an application which can be used in online ticket reservation, check availability

Now the Common Features Include:

- Login
- Passenger Name
- Passenger Gender
- Passenger Age
- Class

## **SWOT ANALYSIS**

### **S-STRENGTH**

- This project involves availability and cost of travelling
- It reduces the manual work
- Easy to use

### **W-WEAKNESS**

- It requires good network connection
- It requires proper information

### **O-OPPORTUNITIES**

- Mobile applications can be developed

## **T-THREATS**

- User authentication

## **4W's and 1'H**

### **Who:**

The project can be used almost by all the railway reservation counter. At the end, user satisfaction is the goal of the project.

### **What:**

Adding, Deleting, Availability of the tickets passenger to can be done by this system.

### **When:**

The project can be used when the passenger needs to be added, reserve tickets.

### **Where:**

All the railway station can use this software as the purpose of reserving tickets.

### **How:**

It reduces the time and improves easy way of booking.

## DETAIL REQUIREMENTS

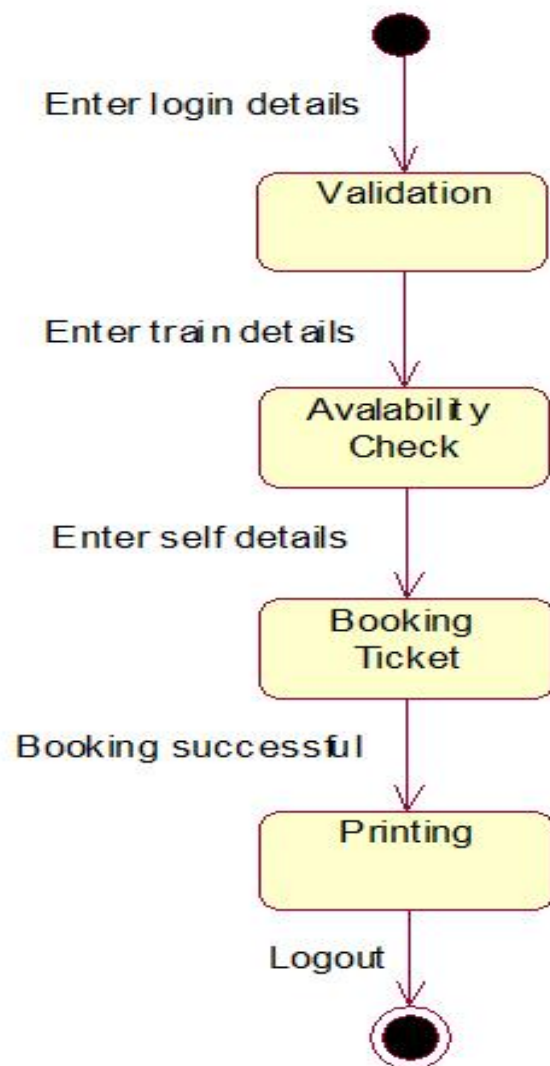
### HIGH LEVEL REQUIREMENTS:

ID	Description	Status
HLR1	OS (Windows 10/Linux)	Implemented
HLR2	C language	Implemented
HLR3	AMD/INTEL Processor	Implemented
HLR4	RAM(2GB)	Implemented
HLR5	ROM(2GB)	Implemented

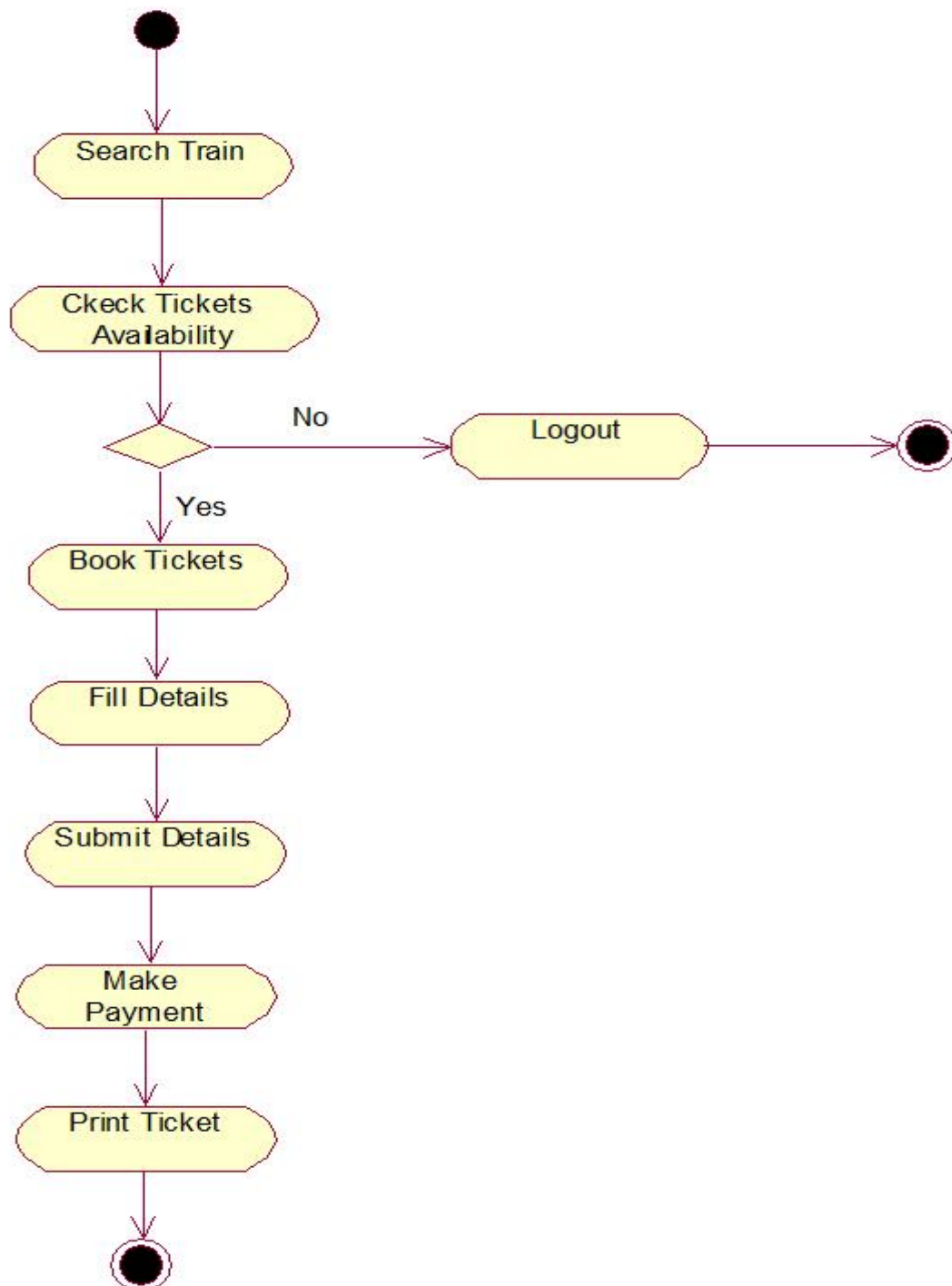
### LOW LEVEL REQUIREMENTS:

ID	Description	Status
LLR1	Functions to Add Passenger	Implemented
LLR2	Functions to Add Gender	Implemented
LLR3	Functions to Add Age	Implemented

## STRUCTURAL DIAGRAM



## BEHAVIORIAL DIAGRAM



## TEST PLAN & OUTPUT

### HIGH LEVEL TEST PLAN:

TEST ID	DESCRIPTION	EXP I/P	EXP O/P	ACTUAL OUTPUT
HL01	PASSENGER	NAME	DISPLAYS PASSENGER NAME	DISPLAYS NAMES
HL02	PASSENGER	AGE	DISPLAYS PASSENGER AGE	DISPLAYS AGE
HL03	PASSENGER	GENDER	DISPLAY PASSENGER GENDER	DISPLAYS GENDER
HL04	PASSENGER	STATION	DISPLAYS FROM TO WHERE	DISPLAYS SOURCE TO DESTINATION
HL05	PASSENGER	AVAILABLITY	DISPLAYS TRAIN AVAILABLITY	DISPLAYS TRAIN NAME

### LOW LEVEL TEST PLAN:

TEST ID	DESCRIPTION	EXP I/P	EXP O/P	ACTUAL OUTPUT
HL01	PASSENGER	SELECT TRAIN	SELECT THE CLASS	SHOWS CLASS
HL02	PASSENGER	SHOWS SEAT	SELECT THE SEAT	SHOWS THE SEAT AVAILABLE
HL03	PASSENGER	SHOWS FARE	TICKET COST	TICKET FARE
HL04	PASSENGER	CONFORM TICKET	GOES TO PAYMENT	CONFORM TICKET
HL04	PASSENGER	BIILS IS GENERATED	PAYMENT	PAYMENT