# TICKET RESERVATION SYSTEM

## 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 |