



ISLAMIC UNIVERSITY OF TECHNOLOGY
Organization of Islamic Cooperation
Board Bazar, Gazipur



Railway Management System

Project Proposal

CSE 4301

FIDA KAMAL

180041208

SHAH JAWAD ISLAM

180041223

ALVI AVEEN KHAN

180041229

Overview

This project will attempt to create a system that allows users to book train tickets. There will be predefined information regarding the trains, the seats available, the route the train will follow, the stations it will pass through and the specific time it will be stopped at the stations. The information will be presented to the user in stages, depending on the departure and arrival locations given by the user, and will be used to book a seat on their chosen train for them.

Main Program

The program will make use of different functions to present the information required. The route information of different trains will be used to determine which ones are available at a particular station at a particular time. That in turn will be used to present choices to the user after they have provided information about which location they want to depart from, and at what time. The route information will also be used to filter out trains depending on the chosen arrival station. Information regarding seats available will be used to filter out trains which are full.

Additional Capabilities

The concept of the program is simple, but making the experience smooth will require a lot of intricate parts and relationships. It also gives us the scope to add smaller functionality, such as an administrative view which will allow information regarding the trains, stations and routes to be edited, and timetables that will show all the details regarding the trains at different stations. There is also a plan to add a graphical user interface if time permits.