

Train Management System User Guide

Benjamin Weichman, Caroline Quinn, and Alex Keeling

1 How to Navigate the Application

From the main webpage, select the link for your role. Choices are:

- Passenger
- Travel Agent
- Employee
- Manager (Employee Scheduler)
- Manager (Train Scheduler)
- Head Office
- System Admin

If you select the wrong view, simply click your browser's 'Go Back' button, and select the correct view.

When you're finished, simply close your browser window or tab.

2 How to use the Application

2.1 Passenger

2.1.1 How to use

2.1.2 Limitations & Abilities

Use this view if you are or would like to become a passenger on train voyage. This view will allow you to create, delete, or update your passenger profile which will house and display all of your train ticket information (past and future). This view will also allow you to see all upcoming train voyages. This view will not allow you to purchase train tickets, you will have to do this through your travel agent to do this.

2.2 Travel Agent

2.2.1 How to use

2.2.2 Limitations & Abilities

Use this view if you work for an independent, mega, regional, or consortium travel agency. This view will allow you to view up to date vacancies in different classes on train voyages, (including the voyages departure, place, time and date, and arrival place time and date). You will be able to add your customers to the train database, and purchase, and cancel tickets on their behalf. This view will also allow you delete, update and create customer information in the train database. You will not be able to update customer ticket information, this must be done by deleting and repurchasing a ticket.

2.3 Employee

2.3.1 How to use

2.3.2 Limitations & Abilities

Use this view if you work for the train company. The view will list all train voyages you will be scheduled to work on. This view will not allow you to trade/drop/add shifts to your schedule, you will have to talk to your scheduling manager to do so.

2.4 Manager (Employee Scheduler)

2.4.1 How to use

2.4.2 Limitations & Abilities

Use this view to schedule staff for train voyage. This view will allow you to view all train voyages and the train and cars (including engine) involved in the voyages in order to appropriately schedule staff. You will also be able to add, delete and update employee information.

2.5 Manager (Train Scheduler)

2.5.1 How to use

2.5.2 Limitations & Abilities

Use this view to schedule train voyages. This view will allow you to add, update and delete train voyages that will occur in the future. You cannot add new train routes, all voyages must run on existing routes.

2.6 Head Office

2.6.1 How to use

2.6.2 Limitations & Abilities

Use this view allows you to change rudimentary aspects of the train system .This view allows you to add, update, and delete train routes, track sections, train stations, and engines.

2.7 System Admin

2.7.1 How to use

This is just like entering a query at a command prompt. Standard MySQL queries will work here. See the Programmer's Guide and Design Document for details on table names and fields.

2.7.2 Limitations & Abilities

This allows you to enter any free form query you like. Note that this view should only be used by someone with a knowledge of MySQL. Improper use of this view could easily delete all data in your system, and/or break your system. Please be careful.