User Manual

Tourist Train Journey Management System

Group 32

Version: V1.4

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1 Introduction

The Tourist Train Journey Management System is designed for managing the routes, journeys, trains and drivers of their company, drivers get control of their buses and passengers get the information they need.

This system has three groups of target users:

THE PASSENGERS IN THE STATION OR ON BOARD
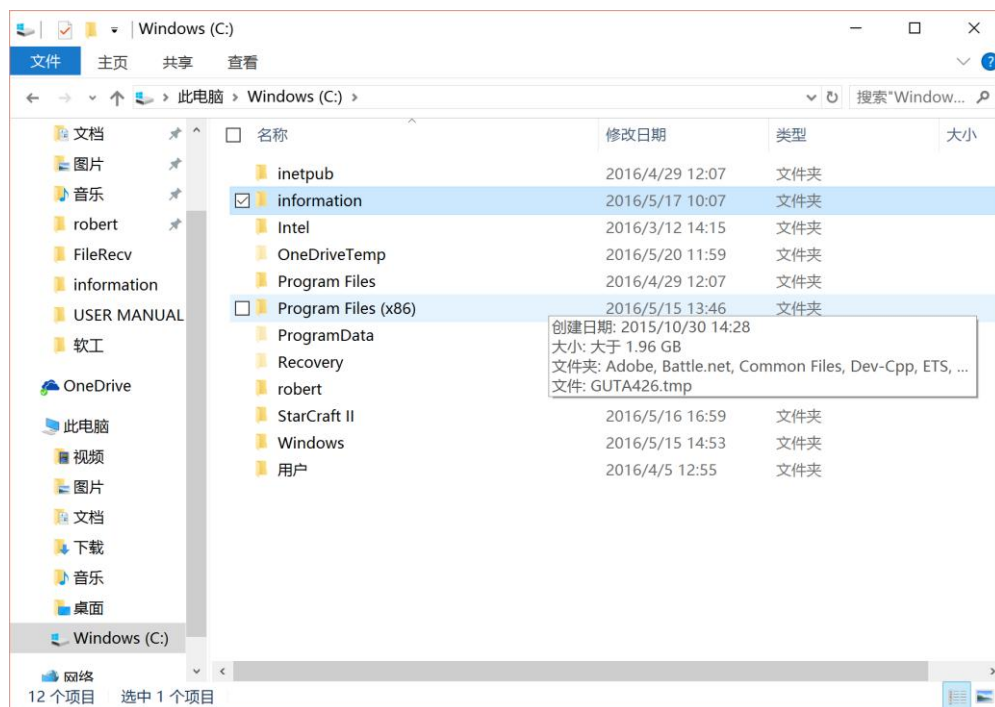
THE DRIVERS ON DUTY OR OFF-DUTY

THE MANAGER IN THE CENTRAL CONTROL ROOM

The main function of the software includes:
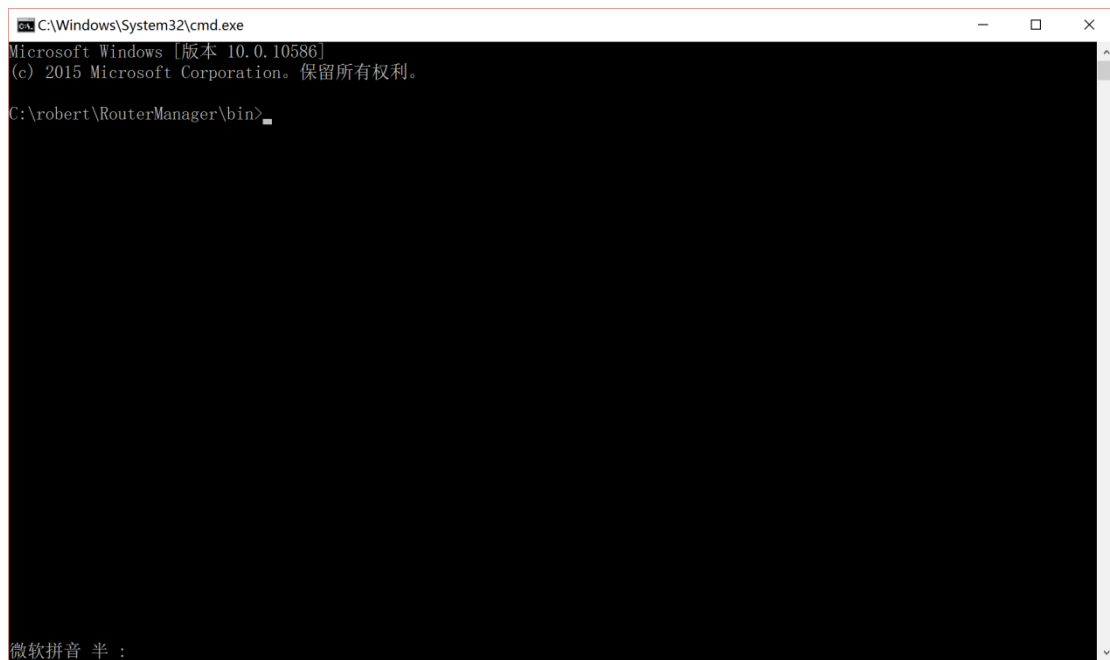
1. Information list

2. Information regulation

3. Status display

4. Remote control

5. Synchronization

6. Time display

2 Installation

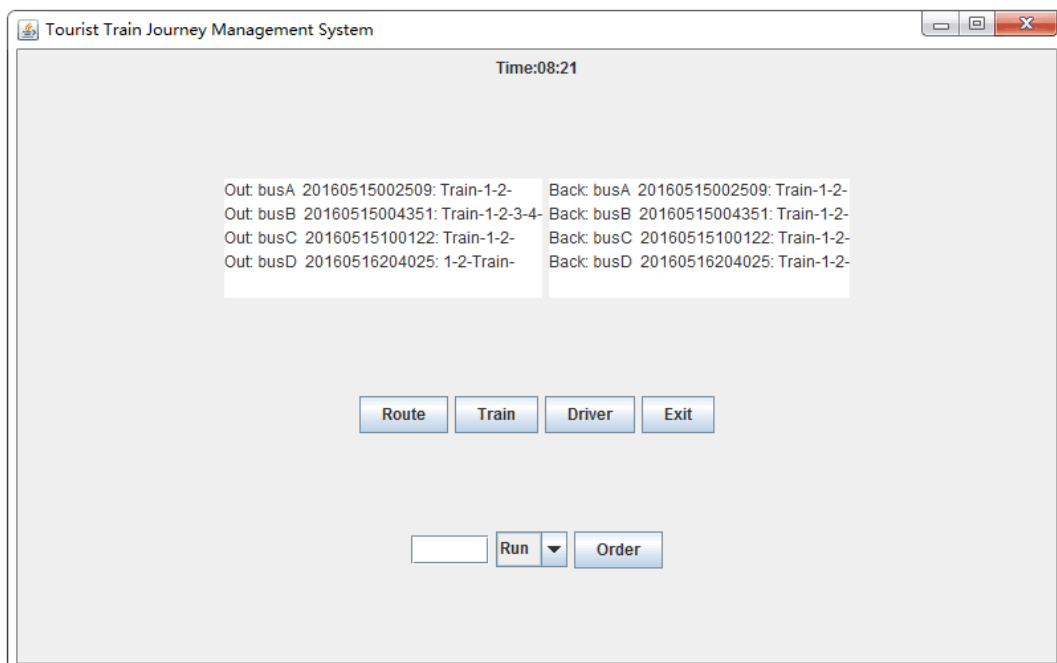First we have to put the "information" file into disk C

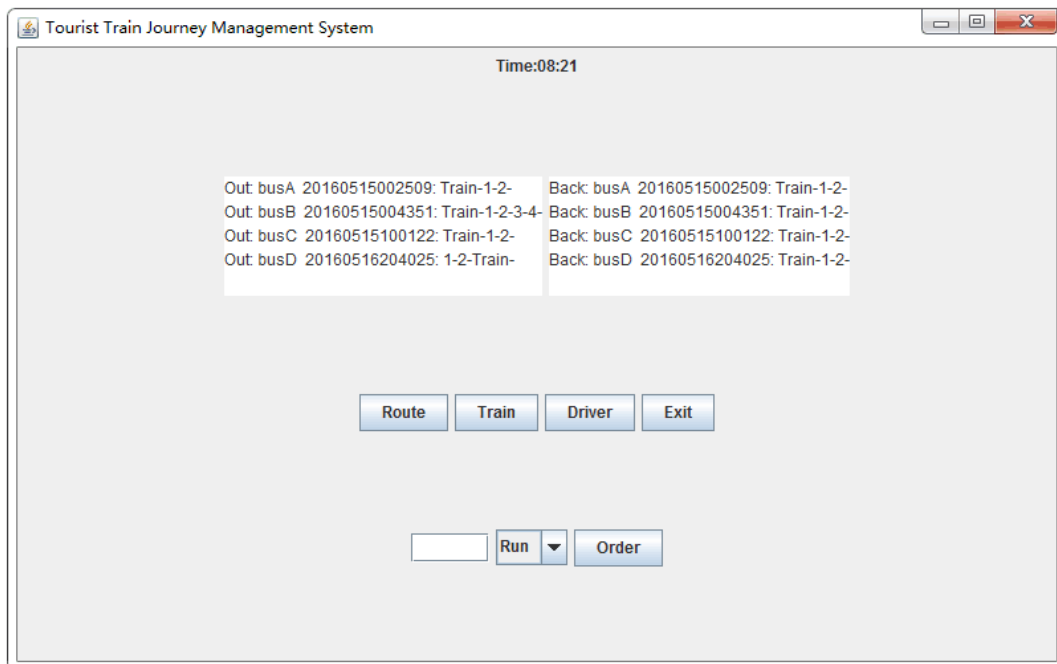Then we move to the source folder of our program and enter the cmd.

Type in

Then we could launch the program.

3 Operation of Software

3.1 Main Interface

After entering the main interface, users are able to see the current time and the status of all trains on its way.

3.1.1   Remote control from main interface

Frames below can control let the train in the upper diagram stop or continue to run by entering the name of train and choose run or stop in the second frame, then click "Order" to realize your operation.

3.1.2   Exit

Clicking "Exit" could make you exit the program.

Hint1: When wondering the form of input, you can just put your mouse on the entry bar, and then you can see the hint about that.

Hint2: Any invalid operation would not be operated and no reaction is performed.

3.2 Route/Journey Management

3.2.1   Entering Route/Journey Interface

When clicking the button "Route", you can enter the route control interface.

The diagram shows the Number of route, Number of journey, Time of outward and Time of backward.

3.2.2   Add route/journey

The first line of entry is for you to add Route or journey to the system and it will be added at once. Just follow the hint in the program is enough.

Adding operations need the Time of outward and backward; when adding new route, you can only input that and then a train number which is according to the date and system time as its naming rules is distributed to that route; when adding new journey, you should also input a route which the journey belongs to.

3.2.3   Delete route

The second line is for deletion of route/journey.

Simply enter the number of route you want to delete as hint and click "Delete" at that moment that route is vanished.

3.2.4   Delete journey

Simply input the route number plus journey number together you want to delete and click "Delete", at that moment that journey is vanished.

3.2.5   Returning main interface

"Back" is for you to return to the main frame.

3.3 Train Management

3.3.1   Entering Train Management

Click 'Train' button from the main interface to entering train management interface.

Each train has an initialed status which is of just a name which appears when first added by the entry bar below, just input the name of it can finish that operation.

You can see the position of current-running train by the relevant position of Train and numbers of stations which move following the position of trains in real. Besides, the left field is about the recent train information.

3.3.2   Add the new train

The manager can input the train name which is different from the already train name first, and then press "order". Then you will find a new train is added successfully which can be seen from the leftist screen. The adding train's initial status is labeled for all 1, with means it is available that can be assigned to the journey.

3.3.3   Assign the train

Assign a train to a route can be finished by upper entry bar by inputting train name and selected existing route, finally a click to "Assign".

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3.3.4   Control

The manager can control the run/ stop of the specific train of this page also. By input the train name and choose "run/stop", then press "order", then the status of the train will change which can be seen from the leftist screen. When the train is commanded to run, then the second attributes will change into 2.

However, only when the train has already been already assigned both the journey and driver successfully, can the manager let the train run.

3.3.5   Returning Main Interface

Button "Back" is for you to return to the main interface.

3.4 Driver Management

3.4.1   Entering Driver Management Interface

Click 'Driver' button from the main interface to get into driver management interface.

You can see the position of current-running train by the relevant position of Train and numbers of stations which move following the position of trains in real shown at the right.

3.4.2   Add the new driver

The manager can input the driver name which is different from the already train

name first, and then press "order". Then you will find a new train is added successfully which can be seen from the leftist screen. The adding driver's initial status is labeled for all 1, with means it is available that can be assigned to the train.

3.4.3   Assign the driver

Assign a driver to a train can be finished by upper entry bar by inputting driver name and selected existing train name, finally a click to "Assign".

3.4.4   Control

The manager can control the run/ stop of the specific train of this page also. The operation is same as other page for this function.

3.4.5   Returning Main Interface

Button "Back" is for you to return to the main interface.

4 Attention

a) The program is not able to perform the name of station that the route includes.

   So you can note the number of route and refer to other notes of that. The number of route is specific.

b) A driver could only be allocated to one train at a time. If you want to change this driver's allocation, you can only remove the current first, and then you would be able to make another distribution.

c) The relationship between train and journey is the same.

   Correspond to reality, for safety, the train can run only when a specific journey has been successfully assigned for a train and a driver.