USER MANUAL TEMPLATE

FOR

JOURNEY MANAGEMENT SYSTEM

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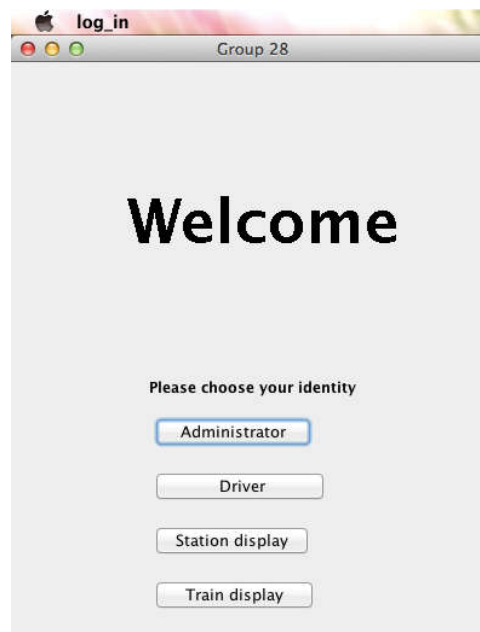   **Yin Longfei 130800776/ jp2013213096**

About this Manual

This manual describes how to use the journey management system. It provides necessary information for the users to efficiently use the system.
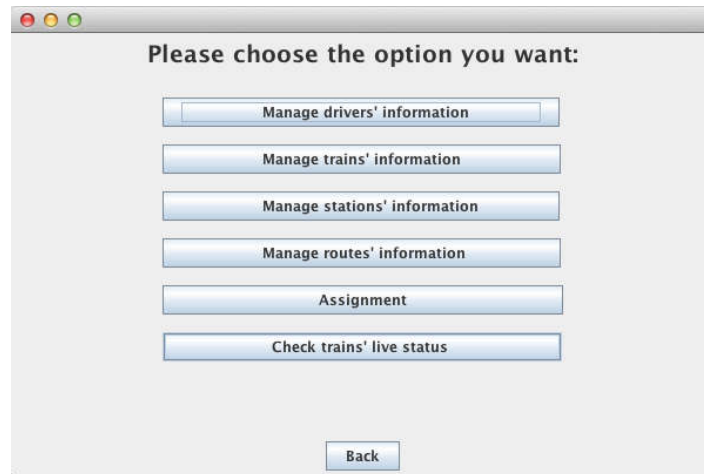
1. General Information

The system is called journey management system. It aims to manage tourist trains that are serving a number of routes on a new area. The functions include maintaining train and driver information, managing routes and journeys, assigning train and driver to journey, check train live status , managing timetable, stop trains remotely and synchronizing data with on-board train and stop information display. These functions are easily accessed by clicking buttons in the GUI interface. To operate the system, you need to be under Java condition.
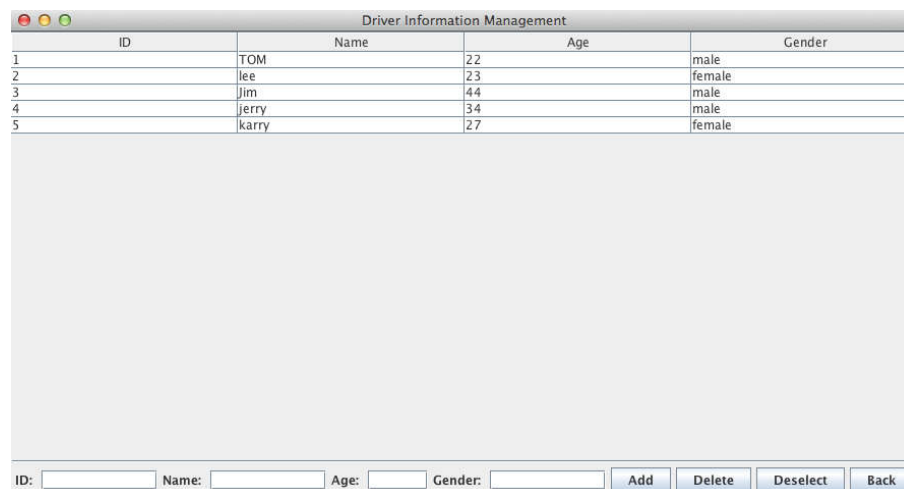
2. Getting Started

Users can choose different button to log in this system with different identities.
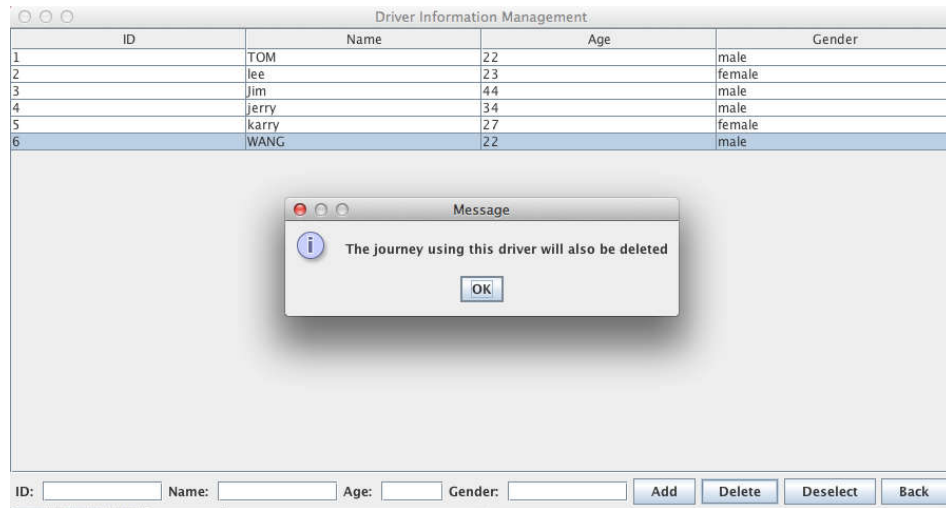
2.1 Administrator

When the user log in as the administrator, he or she will see another interface that used to manage the system.
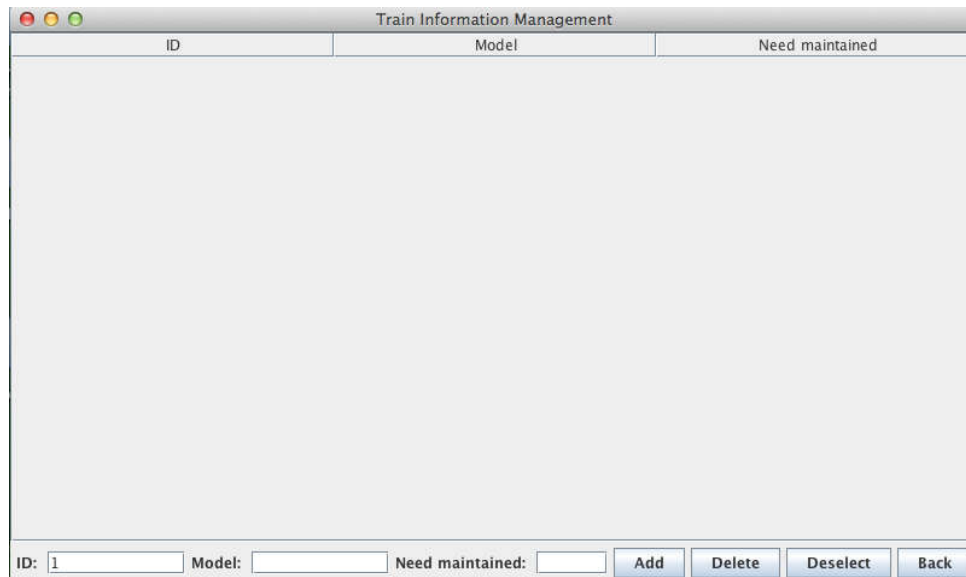
2.1.1   Manage drivers' information

➢ The administrator can input information into the corresponding text box and then click on "Add" button to add a new driver into the system.

➢ The administrator can select a row and then click on "Delete" button to delete a driver from the system. At the same time, the journey using the driver will also be deleted.
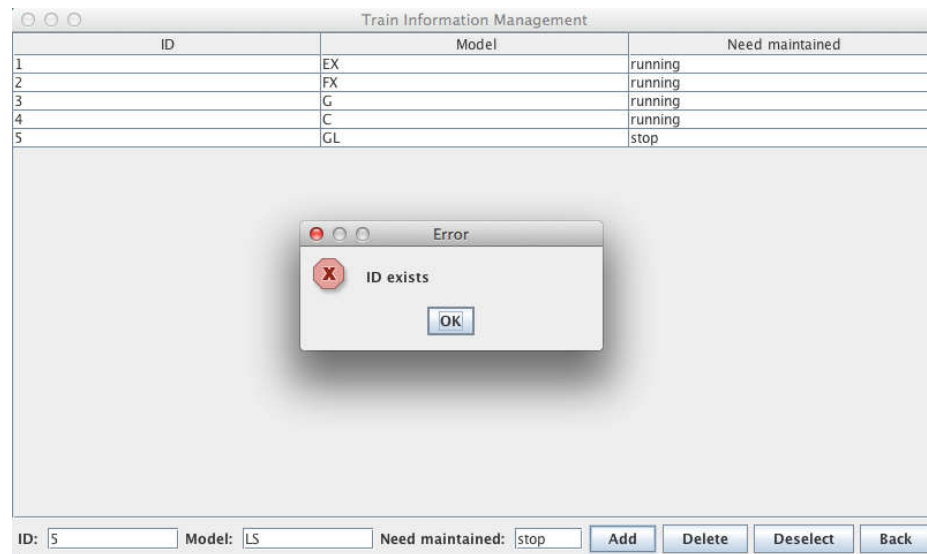
- ➢ The administrator can also click on "Deselect" button to deactivate the selection.
- ➢ The administrator can also click on "Back" button to go back into the last interface.
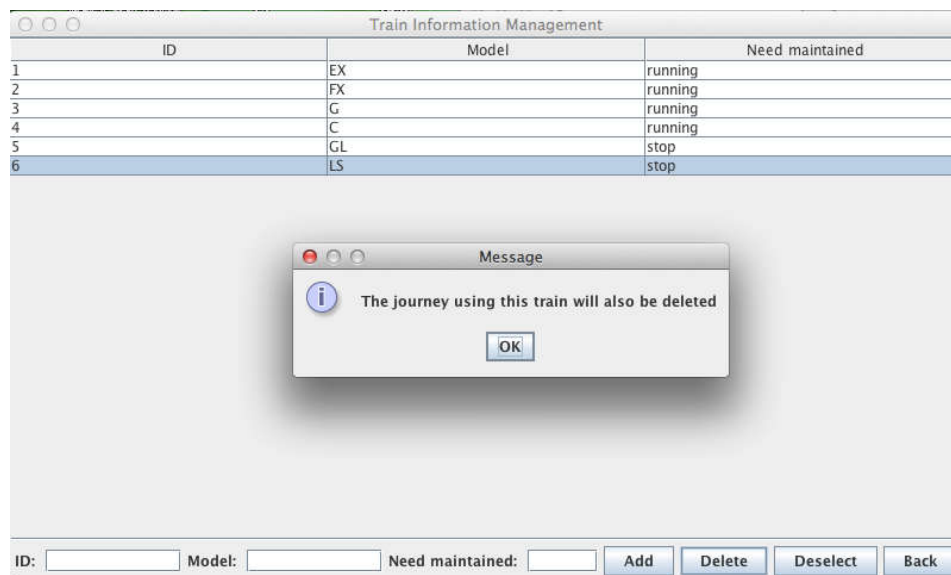
2.1.2 Manage trains' information

- ➢ The administrator can input information into the corresponding text box and then click on "Add" button to add a new train into the system. And the same train ID cannot be used twice.
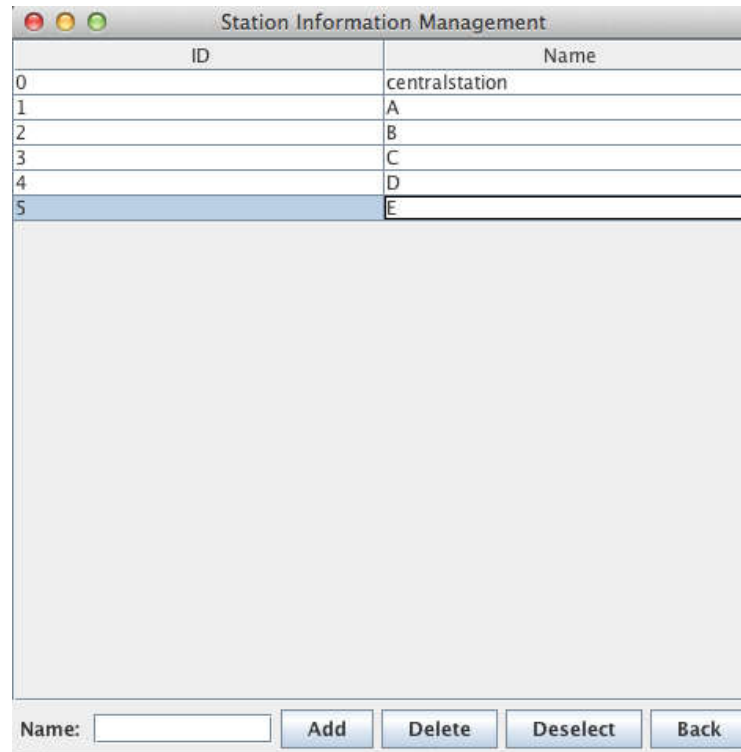
> ➤ The administrator can select a row and then click on "Delete" button to delete a train from the system. At the same time, the journey using the train will also be deleted.

> ➤ The administrator can also click on "Deselect" button to deactivate the selection.
> ➤ The administrator can also click on "Back" button to go back into the last interface.
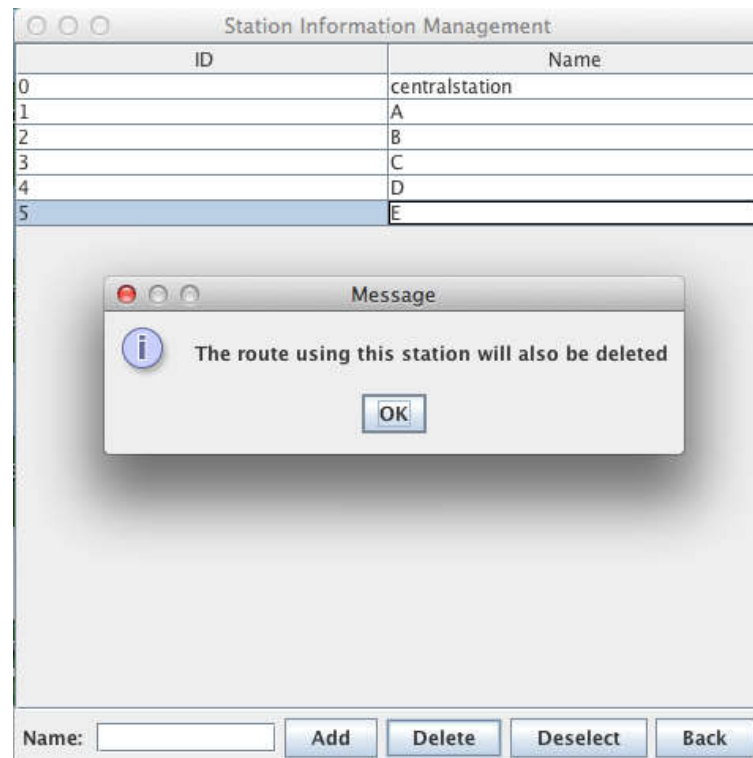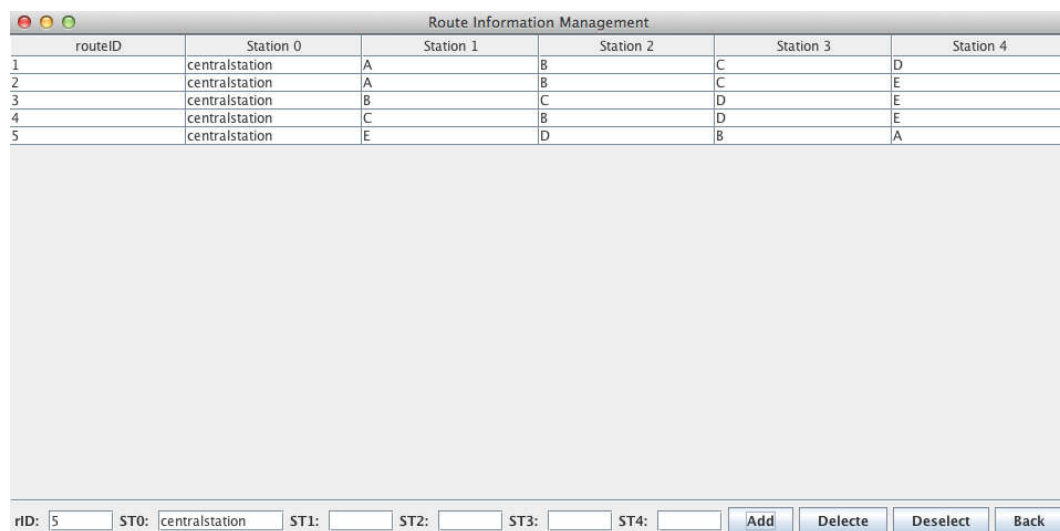
2.1.3   Manage stations' information

> ➤ The administrator can input information into the corresponding text box and then click on "Add" button to add a new station into the system.
> ➤ The administrator can select a row and then click on "Delete" button to delete a station from the system. At the same time, the route using the station will also be deleted.

> ➤ The administrator can also click on "Deselect" button to deactivate the selection.
> ➤ The administrator can also click on "Back" button to go back into the last interface.
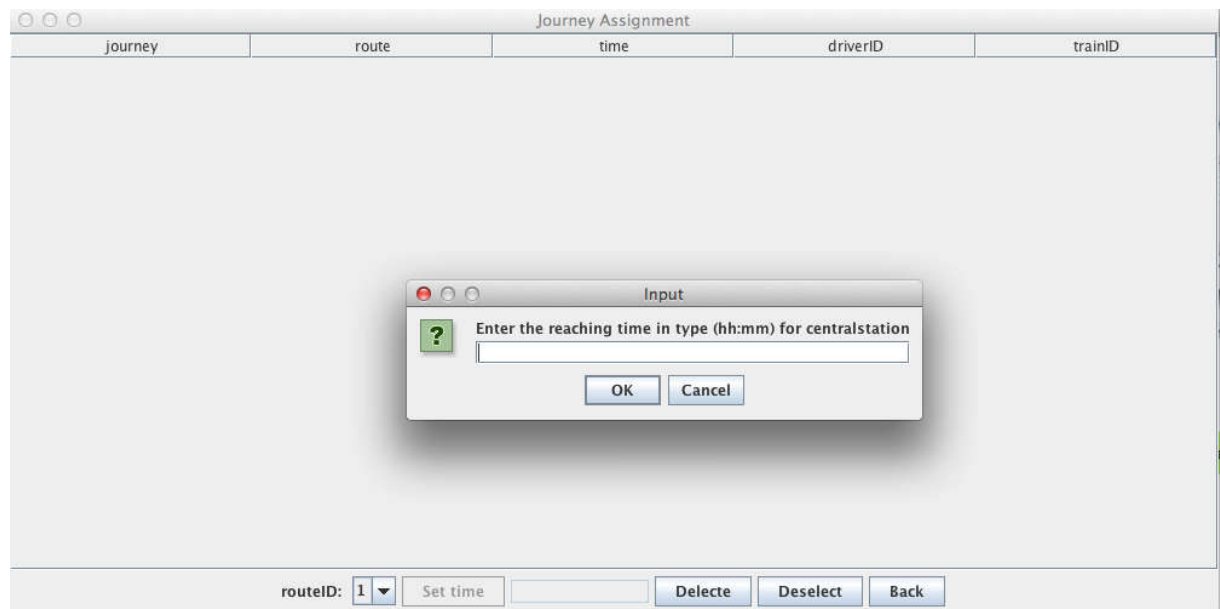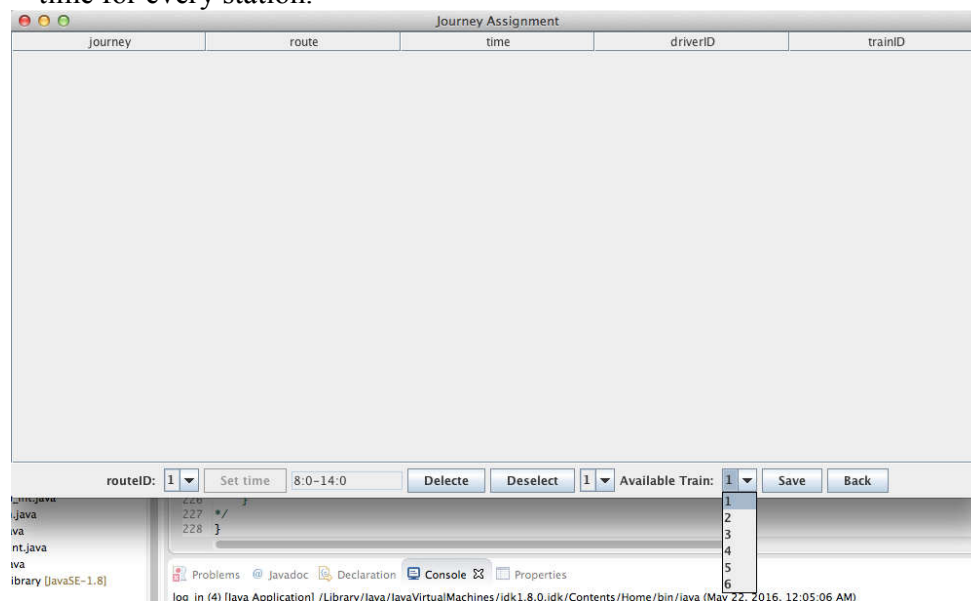
2.1.4 Manage routes' information

> ➤ The administrator can input information into the corresponding text box and then click on "Add" button to add a new route into the system.

> ➢ The administrator can select a row and then click on "Delete" button to delete a route from the system. At the same time, the journey using the route will also be deleted.
> ➢ The administrator can also click on "Deselect" button to deactivate the selection.
> ➢ The administrator can also click on "Back" button to go back into the last interface.
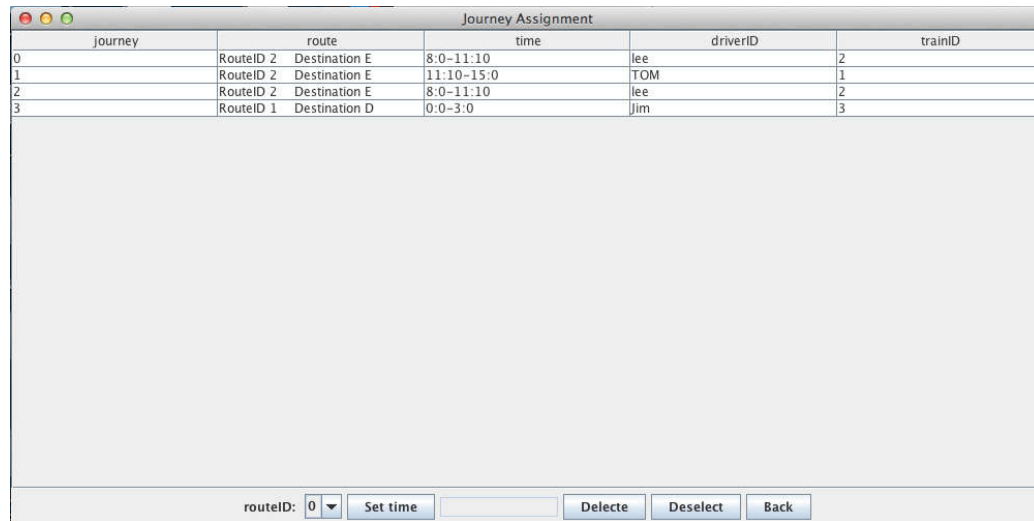
2.1.5 Assignment

> ➢ Firstly, the administrator should use the drop-down list to choose the route. Secondly, the administrator can click on the "Set time" button to input the time for every station.

➢ Thirdly, the administrator can use the drop-down list of trains to assign a train to the journey. Only available trains can be shown on the drop-down list.

➢ Lastly, the administrator can use the drop-down list of drivers to assign a driver to the journey. Only available drivers can be shown on the drop-down list.

➢ Then, a new journey will be added into the table.

➢ The administrator can select a row and then click on "Delete" button to delete a journey from the system.

➢ The administrator can also click on "Deselect" button to deactivate the selection.

➢ The administrator can also click on "Back" button to go back into the last interface
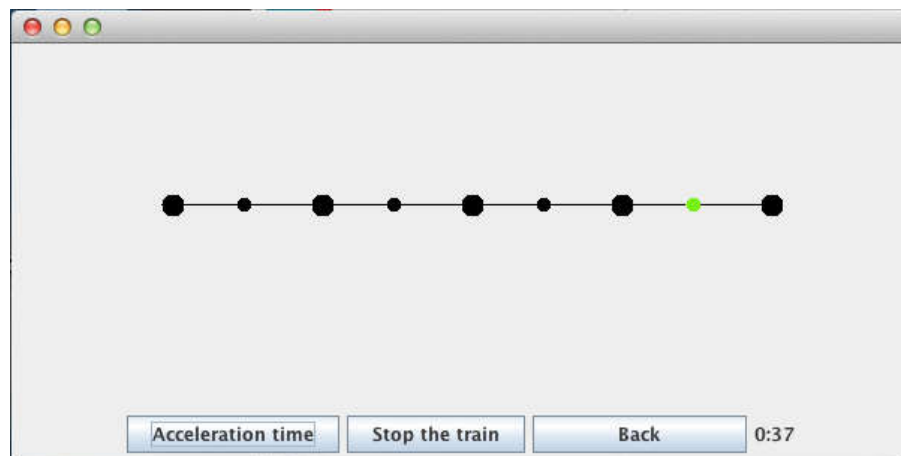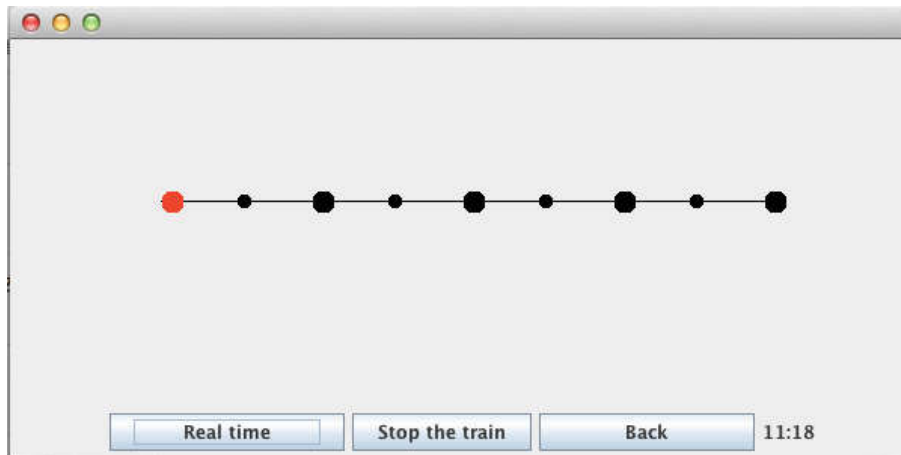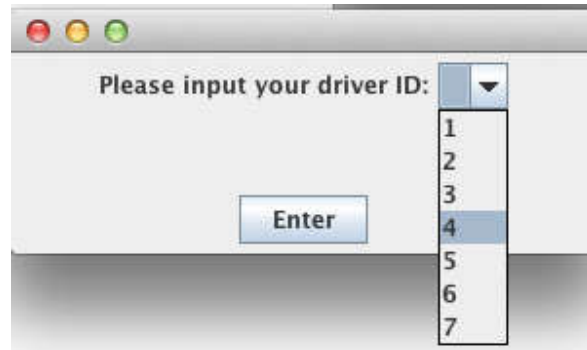
2.1.6   Check trains' live status

➢ The administrator can choose the train he or she want to check on the drop-down list. And only trains that are currently running can be shown on the list.
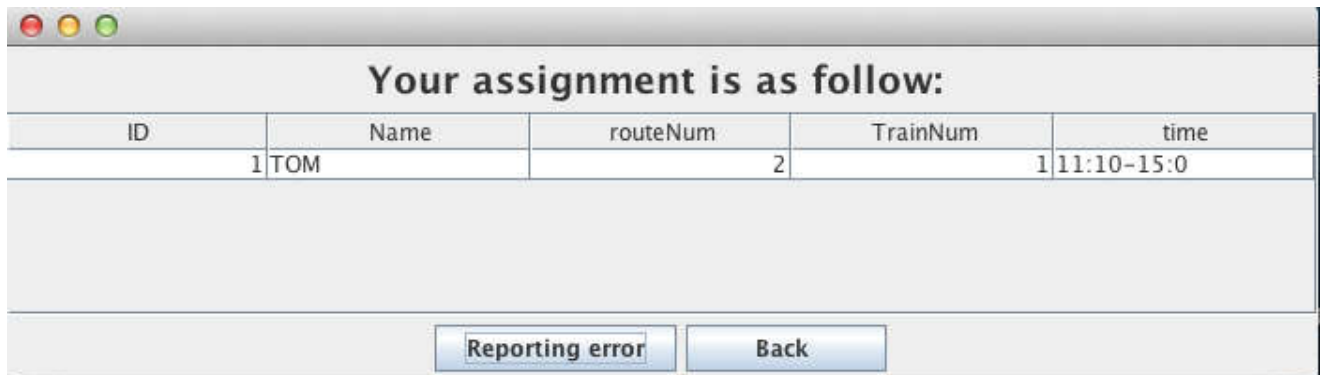
- ➢ The bigger black spots stand for the stations on the route.
- ➢ The smaller black spots stand for the location between two stations.
- ➢ The red and green spot is the train.
- ➢ If the spot is red, it represents that the train is currently stop at the station.
- ➢ If the spot is green, it represents that the train is currently running between two stations.
- ➢ The spot will move on the line just like the train running on the route.
- ➢ The administrator can click on the "Stop the train" button to stop the train remotely.
- ➢ The administrator can click on the "Acceleration time" to transfer the real time into the acceleration time. And then the text on the button will be changed to "Real time", the administrator can click on the button again to transfer the time.

2.2 Driver

The driver can choose his or her ID on the drop-down list and the log in his or her own interface.

➢ If there is some accident during the journey, the driver can click on the "Reporting error" button to request remote control.
➢ The driver can click on the "Back" button to go back to the last interface.

2.3 Train display

The user can choose the train ID on the drop-down list to enter the display board on the train.

➢ The board will show the next station and the arrival time of the next station
➢ The driver can click on the "Back" button to go back to the last interface.

2.4 Station display

The user can choose the route ID on the drop-down list to enter the display board on the station.

The timetable of the route is as follow:

centralstation	A	B	C	E	C	B	A	centralstation
8:0	8:15	8:30	8:50	9:0	9:30	10:0	10:20	11:10
8:0	8:15	8:30	8:50	9:0	9:30	10:0	10:20	11:10
8:0	8:15	8:30	8:50	9:0	9:30	10:0	10:20	11:10

Back

➢ The board will show the timetables of the upcoming trains.
➢ The driver can click on the "Back" button to go back to the last interface.