MBO and Scheduler User Manual

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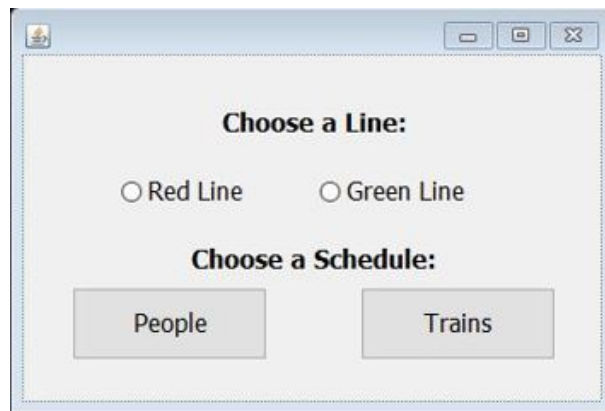# 1 MBO and Scheduler

1.1 Start Screen

Figure 1: Start Screen for the MBO and Scheduler.

1.1.1 Choose a Line

- Line Selection Radio-buttons - Clicking on the appropriate radio-button will select which line will be used.

1.1.2 Choose a Schedule

- Click on a button to decide whether you want to view the drivers' or trains' schedule for the line that you selected before.

1.2 Schedule Views

Personnel Schedule

	8	9	10	11	12	13	14
Driver A	1702	1702	1433	1433	L / 1388	1388	1500
Driver B	----	----	1500	1500	1500	1500	L / 1388
Driver C	----	----	----	----	----	----	1433
Driver D	1433	1433	1388	1388	----	----	----
Driver E	1500	1500	1702	1702	L / 1433	1433	1101

Train Schedule

	Shadyside	Herron	Swissville	Penn Station	Steel Plaza	Fi
Train 1103	9:04 AM	9:07 AM	9:09 AM	9:11 AM	9:14 AM	
Train 1524	9:22 AM	9:25 AM	9:27 AM	9:29 AM	9:32 AM	
Train 1077	9:40 AM	9:43 AM	9:45 AM	9:47 AM	9:50 AM	
Train 1389	9:58 AM	10:01 AM	10:03 AM	10:05 AM	10:08 AM	
Train 1400	10:16 AM	10:18 AM	10:21 AM	10:23 AM	10:26 AM	
Train 1711	10:34 AM	10:36 AM	10:39 AM	10:41 AM	10:44 AM	

Figure 2: Views of the drivers' and trains' schedules.

1.2.1 Personnel Schedule

Row Headings

- This will display the drivers' names. Clicking on one will display more information about that particular driver.

Column Headings

- The time is displayed in the column headings.

Table Data

- Inside each cell is the train the driver is operating.

- The cells are color coded to display more information.

  - Orange means that the driver is scheduled for a break during that time block.

  - Purple means that the driver is scheduled to take their lunch during that time block.

1.2.2 Train Schedule

Row Headings

- This will display the trains' IDs. Clicking on one will display more information about that particular train.

Column Headings

- This will display the Stations' names. Clicking on one will display more information about that particular station.

Table Data

- Inside each cell is the time that the train will arrive at the station.

1.3 Driver View

Figure 3: Views of a particular driver's schedule.

Column Headings

- The time, train ID, station, and break status are displayed in the column headings.

1.3.1 Time

- Inside each cell is the time that the driver will arrive at the station.

1.3.2 Train

- Inside each cell is the train that the driver will be operating.
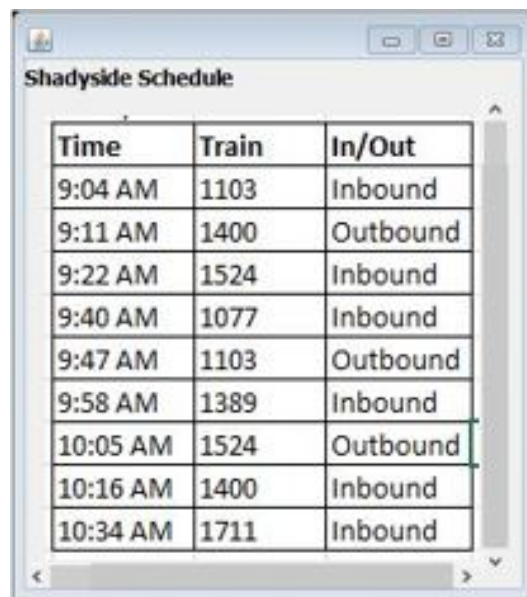
1.3.3 Station

- Inside each cell is the station that the driver will arrive at.

1.3.4 Break

- Inside each cell is the break status of driver during that block.

1.4 Station View

Time	Train	In/Out
9:04 AM	1103	Inbound
9:11 AM	1400	Outbound
9:22 AM	1524	Inbound
9:40 AM	1077	Inbound
9:47 AM	1103	Outbound
9:58 AM	1389	Inbound
10:05 AM	1524	Outbound
10:16 AM	1400	Inbound
10:34 AM	1711	Inbound

Shadyside Schedule

Figure 4: Views of a particular station's schedule.

Column Headings

- The time, train ID, Inbound/Outbound status are displayed in the column headings.

1.4.1   Time

- Inside each cell is the time that a train will arrive at the station.

1.4.2   Train

- Inside each cell is the train that will arrive at the station.

1.4.3   Inbound/Outbound

- These cells tell the user whether the train is Inbound to the station or Outbound from the station.