**UI Storyboard**

Viewing timetable (for Monday-Friday)

When the console is running, the main menu loads where the user enters numbers 1 to 3 which selects one of the options.

**Main menu:**

--- Java Console Based Railway Timetable ---

1 – View Timetable

2 – Filter Timetable

3 - Quit

Please input a number to proceed:

Pleased input a number to proceed:

1

-- Select Timetable --

1 – Monday – Friday

2 – Saturday

3 - Sunday

When the user selects the timetable they want displayed ( in this case Monday-Friday), another sub menu is shown which gives the user an option to view the timetable from Liverpool or from Blackpool.

Pleased input a number to proceed:

1

1 – From Liverpool

2 – From Blackpool

When the user enters 1, the timetable displays times from Liverpool.

1

---------------------

Monday - Friday

---------------------

Liverpool Lime Street PBD 510 616

Edge Hill BD 514 620

Wavertree Technology Park PB - 622

Broad Green PB - 625

Roby BD - 628

Huyton PBD 519 631

At the bottom of the timetable display, it shows that it is the first page of six pages. There are also two options. If the user enters 2, it takes the user to the next page. If the user selects 3, it takes you to the main menu. These options are what is going to always appear at the bottom of the console once the timetable has been printed.

Scroll down to bottom of the page

Page 1 of 6

2 - Next page

3 - Return to menu

2

---------------------

Monday - Friday

---------------------

Liverpool Lime Street PBD 836 915

Edge Hill BD - 919

Wavertree Technology Park PB - 921

Broad Green PB - 924

Roby BD - 927

Huyton PBD 845 930

On the left is what is displayed when the user selects 2, on the right is what is displayed if the user selects 3.

**Main menu:**

--- Java Console Based Railway Timetable ---

1 – View Timetable

2 – Filter Timetable

3 - Quit

Please input a number to proceed:

This is at the bottom of the console.

Page 2 of 6

1 – Previous Page

2 – Next Page

3 – Return to menu

2

------------------------------

Monday - Saturday Reversed

------------------------------

Blackpool North PBD - 603

Poulton-le-Fylde BD - 608

Kirkham & Wesham BD - 617

Preston (Lancs) PBD - 629

Leyland PBD - 634

Euxton Balshaw Lane PBD - 638

Wigan North Western B 621 647

Bryn B 627

Back at the sub menu for direction, if the user selects the second option (from Blackpool), it will show the timetable in the opposite direction.

Pleased input a number to proceed:

1

1 – From Liverpool

2 – From Blackpool

Viewing timetable (for Saturday)

**Main menu:**

--- Java Console Based Railway Timetable ---

1 – View Timetable

2 – Filter Timetable

3 - Quit

Please input a number to proceed:

Pleased input a number to proceed:

1

-- Select Timetable --

1 – Monday – Friday

2 – Saturday

3 - Sunday

Once the user selects 2, the timetable for Saturday is displayed.

2

---------------------

Saturday

---------------------

Liverpool Lime Street PBD 510 616

Edge Hill BD 514 620

Wavertree Technology Park PB - 622

Broad Green PB - 625

Roby BD - 628

Huyton PBD 519 631

Scroll down to bottom of the page

Page 1 of 6

2 - Next page

3 - Return to menu

2

---------------------

Saturday

---------------------

Liverpool Lime Street PBD 836 915

Edge Hill BD - 919

Wavertree Technology Park PB - 921

Broad Green PB - 924

Roby BD - 927

Huyton PBD 845 930 0930

**Main menu:**

--- Java Console Based Railway Timetable ---

1 – View Timetable

2 – Filter Timetable

3 - Quit

Please input a number to proceed:

This is at the bottom of the console.

Page 2 of 6

1 – Previous Page

2 – Next Page

3 – Return to menu

View timetable (for Sunday)

**Main menu:**

--- Java Console Based Railway Timetable ---

1 – View Timetable

2 – Filter Timetable

3 - Quit

Please input a number to proceed:

Pleased input a number to proceed:

1

-- Select Timetable --

1 – Monday – Friday

2 – Saturday

3 - Sunday

Pleased input a number to proceed:

3

1 – From Liverpool

2 – From Blackpool

Once the user selects 1 or 2 (in this case 1), the timetable from Liverpool is displayed.

1

---------------------

Sunday

---------------------

Liverpool Lime Street PBD 0829 0913

Edge Hill BD - -

Wavertree Technology Park PB 0834 0918

Broad Green PB 0837 0921

Roby BD 0840 0924

Huyton PBD 0842 0926

Scroll down to bottom of the page

Page 1 of 2

2 - Next page

3 - Return to menu

2

---------------------

Sunday

---------------------

Liverpool Lime Street PBD 1615 1715

Edge Hill BD - -

Wavertree Technology Park PB 1620 1720

Broad Green PB 1623 1723

Roby BD 1626 1726

Huyton PBD 1629 1729

**Main menu:**

--- Java Console Based Railway Timetable ---

1 – View Timetable

2 – Filter Timetable

3 - Quit

Please input a number to proceed:

Page 2 of 6

1 – Previous Page

2 – Next Page

3 – Return to menu

This is at the bottom of the console.

Filtering timetable (Origin only)

**Main menu:**

--- Java Console Based Railway Timetable ---

1 – View Timetable

2 – Filter Timetable

3 - Quit

Please input a number to proceed:

When the user enters 2 for the filter timetable, it displays a sub menu which lets the user pick which menu they want filtered.

Pleased input a number to proceed:

2

-- Select Timetable --

1 – Monday – Friday

2 – Saturday

3 - Sunday

Once the user selects what timetable they want (in this case Monday to Friday) another sub menu displays so that the user can pick if they want to filter the timetable from Liverpool or Blackpool.

1

1 – From Liverpool

2 – From Blackpool

The user is presented with another menu after selecting which direction (in this case the user selects from Liverpool), asking how they want the timetable to be filtered.

1

-- Filter Timetable --

1 – Origin only

2 – Destination only

3 – Origin and destination

4 – Filter by Station Facilities

5 – Print without filtering

When the user enters 1, it asks the user for a station code. For e.g., LIV.

1

Enter station code:

LIV

LIV

---------------------

Monday - Friday

---------------------

Liverpool Lime Street PBD 510 616

Edge Hill BD 514 620

Wavertree Technology Park PB - 622

Broad Green PB - 625

Roby BD - 628

Huyton PBD 519 631

This is at the bottom of the console

Page 1 of 6

2 – Next Page

3 – Return to menu

Filtering timetable (Destination only)

This is going back to the filter timetable sub menu after the user enters 2 at the main menu (filter timetable), then selects which timetable the user wants to filter (in this case Monday-Friday) and then another menu asking for which direction (in this case from Liverpool).

1

-- Filter Timetable --

1 – Origin only

2 – Destination only

3 – Origin and destination

4 – Filter by Station Facilities

5 – Print without filtering

When the user selects 2 at the filter timetable sub-menu, it asks the user to enter the station code, e.g., BPN.

2

Enter station code:

BPN

BPN

---------------------

Monday - Friday

---------------------

Liverpool Lime Street PBD 736 836

Edge Hill BD - -

Wavertree Technology Park PB - -

Broad Green PB - -

Roby BD - -

Huyton PBD 745 845

This is at the bottom of the console

Page 1 of 2

2 – Next Page

3 – Return to menu

Filtering timetable (Origin and destination)

This is going back to the filter timetable sub menu after the user enters 2 at the main menu (filter timetable), then selects which timetable the user wants to filter (in this case Saturday).

1

-- Filter Timetable --

1 – Origin only

2 – Destination only

3 – Origin and destination

4 – Filter by Station Facilities

5 – Print without filtering

If the user enters 3¸ the user has to enter the origin station name/code. For example, you can enter Blackpool North or BPN.

3

Enter station name/code:

LIV

Once the user has entered a valid station name or code, it asks the user to enter the destination station name or code.

3

Enter origin station name/code:

LIV

Enter destination station/name:

BPN

3

Enter origin station name/code:

LIV

Enter destination station/name:

BPN

------------------------------

Saturday

------------------------------

Liverpool Lime Street PBD 736 836

Blackpool North PBD 853 953

Duration: 11hrs 57mins 11hrs57mins 01hrs 18mins

Once the user has entered a valid destination station name or code, a filtered timetable with the duration will display based on the timetable they picked, in this example it’s the Saturday timetable.

Scroll down to bottom of the page

Page 1 of 2

2 - Next page

3 - Return to menu

Filtering timetable (Filter by Station Facilities)

This is going back to the filter timetable sub menu after the user enters 2 at the main menu (filter timetable), then selects which timetable the user wants to filter (in this case Sunday) and then another menu asking for which direction (in this case from Liverpool).

1

-- Filter Timetable --

1 – Origin only

2 – Destination only

3 – Origin and destination

4 – Filter by Station Facilities

5 – Print without filtering

Once the user selects 4, the user is asked if they would like car parking, in this case the user will enter 1 for yes.

4

Would you like car parking?

1 – Yes

2 - No

1

Would you like bike racks, including storage?

1 – Yes

2 - No

Once the user has entered an option for the above question, the user is asked if they would like bike racks, including storage, in this case the user is entering 1 for yes.

Once the user has entered that option, finally the user is asked if they need disability assistance, in this case the user selects 2 for no.

1

Would you be in need of disability assistance?

1 – Yes

2 - No

LIV

---------------------

Saturday

---------------------

Liverpool Lime Street PBD 0829 0913

Edge Hill PBD - -

Wavertree Technology Park PBD 0834 0918

Broad Green PBD 0837 0921

Roby PBD 0840 0924

Huyton PBD 0842 0926

Scroll down to bottom of the page

Page 2 of 2

2 - Next page

3 - Return to menu

Filter timetable (Print without filtering)

This is going back to the filter timetable sub menu after the user enters 2 at the main menu (filter timetable), then selects which timetable the user wants to filter (in this case Monday-Friday) and then another menu asking for which direction (in this case from Blackpool).

1

-- Filter Timetable --

1 – Origin only

2 – Destination only

3 – Origin and destination

4 – Filter by Station Facilities

5 – Print without filtering

When the user selects 5 it then displays the unfiltered timetable.

5

------------------------------

Monday - Saturday Reversed

------------------------------

Blackpool North PBD - 603

Poulton-le-Fylde BD - 608

Kirkham & Wesham BD - 617

Preston (Lancs) PBD - 629

Leyland PBD - 634

Euxton Balshaw Lane PBD - 638

Wigan North Western B 621 647

Bryn B 627 -

Scroll down to bottom of the page

Page 1 of 6

2 - Next page

3 - Return to menu

Quitting the programme

**Main menu:**

--- Java Console Based Railway Timetable ---

1 – View Timetable

2 – Filter Timetable

3 - Quit

Please input a number to proceed:

Please input a number to proceed:

3

Program has been terminated