

System Administrator and Controller Use Case Descriptions

Add Journey Record

The user will record the details of the new journey (Start location, destination, additional stops, etc.). This information will be used to track journeys available for customer booking, as well as for train and staff assignment.

Actor Action	System Response
1. Actor enters journey details. 2. Actor selects "Submit" button. 4. Actor confirms new journey.	3. Displays confirmation message for new journey record creation 5. Returns message confirming that a new journey has been created

Modify Journey Record

The user will view the existing details of the selected journey and can record the details they need to change. This information will then be used to display modified journey records to customers and staff.

Actor Action	System Response
1. Actor selects a journey record 3. Actor enters modified journey details 5. Actor confirms Journey modification	2. Displays journey record details 4. Displays confirmation message for journey record modification 6. Returns message confirming that the journey has been modified

Remove Journey Record

The user will select a journey and flag it for deletion with a button press. This will remove the record from the system, allowing for data upkeep, removing cancelled journeys to prevent accidental bookings and staff assignments.

Actor Action	System Response
1. Actor selects a journey record 3. Actor selects "Delete Record" button 5. Actor confirms journey record deletion	2. Displays journey record details 4. Displays confirmation message for journey record deletion 6. Returns message confirming that the journey has been deleted

Add Train Record

The user will record the details of the new train (Train type, train number, train status etc.). This information will be used to assign appropriate trains to journeys, as well as assigning staff to trains.

Actor Action	System Response
1. Actor enters train details. 2. Actor selects "Submit" button. 4. Actor confirms new train record.	3. Displays confirmation message for new train record creation 5. Returns message confirming that a new train record has been created

Modify Train Record

The user will view the existing details of the selected train and can record the details they need to change. This information will then be used to maintain an accurate data-set and ensure train assignments are accurate.

Actor Action	System Response
1. Actor selects a train record 3. Actor enters modified train details 5. Actor confirms train record modification	2. Displays train record details 4. Displays confirmation message for train record modification 6. Returns message confirming that the train record has been modified

Remove Train Record

The user will select a train and flag it for deletion with a button press. This will remove the record from the system, allowing for data upkeep, removing decommissioned trains to prevent accidental booking of a non-existent train to a journey.

Actor Action	System Response
1. Actor selects a train record 3. Actor selects "Delete Record" button 5. Actor confirms train record deletion	2. Displays train record details 4. Displays confirmation message for train record deletion 6. Returns message confirming that the train has been deleted

Create Staff Account

The user will enter the details of the new staff account (Name, address, role, etc.). This information will be used for management of staff assignments to trains/stations, as well as for user authentication.

Actor Action	System Response
1. Actor enters account details. 2. Actor selects "Submit" button. 4. Actor confirms new staff account.	3. Displays confirmation message for new account creation 5. Returns message confirming that a new staff account has been created

Modify Staff Account

The user will view the existing details of the selected account and can record the details they need to change. This information will then be used to ensure staff data is accurate and prevent staff assignments to positions their role is not suited for.

Actor Action	System Response
1. Actor selects a train record 3. Actor enters modified train details 5. Actor confirms train record modification	2. Displays train record details 4. Displays confirmation message for train record modification 6. Returns message confirming that the train record has been modified

Archive User Account

The user will select a user account and flag it for archival with a button press. This will archive the record, allowing for data-upkeep, and preventing accidental staff assignments of staff that are currently not employed.

Actor Action	System Response
1. Actor selects a user account 3. Actor selects "Archive Record" button 5. Actor confirms user account archival	2. Displays user account details 4. Displays confirmation message for user account archival 6. Returns message confirming that the account has been archived

Create Station Record

The user will enter the details of the new station record (Location, number of stations, etc.) This information will be used for management of staff assignments to stations, as well as creation of journeys with this station as a start or end point.

Actor Action	System Response
1. Actor enters station details. 2. Actor selects "Submit" button. 4. Actor confirms new station record.	3. Displays confirmation message for new station record creation 5. Returns message confirming that a new station record has been created

Modify Station Record

The user will view the existing details of the selected station record and can record the details they need to change. This information will then be used to ensure the status of the station is accurate in the event of a temporary closure or security issue.

Actor Action	System Response
1. Actor selects a station record 3. Actor enters modified station details 5. Actor confirms station record modification	2. Displays station record details 4. Displays confirmation message for station record modification 6. Returns message confirming that the station record has been modified

Delete Station Record

The user will select a station record and flag it for deletion with a button press. This will delete the record, allowing for data upkeep, and will prevent the creation of journeys with a closed station as a start or end point.

Actor Action	System Response
1. Actor selects a station record 3. Actor selects "Delete Record" button 5. Actor confirms station record deletion	2. Displays station record details 4. Displays confirmation message for station record deletion 6. Returns message confirming that the station has been deleted

Assign Train to Journey

The user will select a journey record, select "Assign Train", view the resultant list of train records and assign a specific one to the chosen journey. This information is used by staff on a train to know what journey they are making at that point in time.

Actor Action	System Response
1. Actor selects a journey record. 3. Actor selects "Assign Train" button. 5. Actor selects a train record. 7. Actor selects "Assign to Journey" button. 9. Actor confirms train assignment.	2. Displays journey record details. 4. Displays list of train records. 6. Displays train record details. 8. Displays confirmation message for train assignment. 10. Returns message confirming that the train has been assigned to the specified journey.

Assign Staff Member to Train

The user will select a train record, select "Assign Crew", view the resultant list of staff accounts and select a specific one to assign to the chosen journey. This information is used to ensure each train is fully staffed and operational.

Actor Action	System Response
1. Actor selects a train record. 3. Actor selects "Assign Crew" button. 5. Actor selects a staff account record. 7. Actor selects "Assign to Train" button. 9. Actor confirms Crew assignment.	2. Displays train record details. 4. Displays list of staff account records. 6. Displays staff account record details. 8. Displays confirmation message for crew assignment. 10. Returns message confirming that the staff member has been assigned to the specified train.

Assign Guard to Station

The user will select a station record, select “Assign Crew”, view the resultant list of guard accounts and select a specific one to assign to the chosen station. This information is used to ensure each station is fully staffed, and that people with invalid tickets cannot board trains.

Actor Action	System Response
<ol style="list-style-type: none">1. Actor selects a station record.3. Actor selects “Assign Crew” button.5. Actor selects a guard account record.7. Actor selects “Assign to Station” button.9. Actor confirms Crew assignment.	<ol style="list-style-type: none">2. Displays station record details.4. Displays list of guard account records.6. Displays guard account record details.8. Displays confirmation message for crew assignment.10. Returns message confirming that the staff member has been assigned to the specified train.

Receive Notifications of Changes to a Journey

The user will see a message appear in a notification feed. They can view this message to see an associated journey record and the journey comments.

Actor Action	System Response
<ol style="list-style-type: none">2. Actor selects notification.4. Actor selects “Confirm Journey Change”.	<ol style="list-style-type: none">1. Displays notification in feed.3. Displays associated journey details.5. Removes notification from notification feed.