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| **Requirement Statement** | **Inputs** | **Outputs** | **Comments** | **Priority** |
| Securely log-in with specific account details | Input username and password values | Confirmation message |  | High |
| Add a new route record | Input properties of route record. Destination, departure time etc. | Confirmation message  Updated route list |  | High |
| Remove a route record for a cancelled route | Specific route to remove | Confirmation message  Updated route list |  | High |
| Add a new train record | Input properties of the train. ID, train type, number of carriages, etc. | Confirmation message  Updated train record list |  | High |
| Manage/modify existing train records | Input new train record properties. Updated train status, modified carriage count, etc. | Confirmation message |  | Mid |
| Remove a train record for a train | Specific train record to remove | Confirmation message  Updated train record list | Possible removal for a train that is no longer used | High |
| Create a new account for staff members | Input properties of the account. Name, address, account type, etc. | Confirmation message  Updated staff list | Account types:  Driver  Cabin Crew  Guard  System Administrator  Controller | High |
| Manage/modify existing account details | Input modified properties of the account. Address, phone number, etc. | Confirmation message |  | Mid |
| Archive a former staff account | Specific staff account to remove | Confirmation message  Updated staff list |  | Low |
| Add a new station record | Input station properties. Location, platform number, etc. | Confirmation message  Updated station list |  | High |
| Manage/modify existing station records | Input updated station properties. Number of platforms, station status, etc. | Confirmation message |  | Mid |
| Remove a station record | Specific station record | Confirmation message  Updated station list | Possible removal for a demolished or unused station | High |

**Functionality shared by system administrator and controller account types**

**Functionality specific to the controller account type**

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| **Requirement Statement** | **Inputs** | **Outputs** | **Comments** | **Priority** |
| Assign a specific train to a specific journey | Input train ID and route ID | Confirmation message |  | High |
| Assign a member of staff to a specific train | Input account ID and train ID | Confirmation message | Staff types:  Driver  Cabin-crew | High |
| Assign a guard to a specific station | Input guard account ID and station ID | Confirmation message |  | High |
| Receive notifications of changes to a route’s comments, made by a driver. |  | Output the comment appended to the specific route | Comments can include warnings of delays, issues with the track, possible conflicts, etc. | Mid |
| Manage/modify existing route records | Input new route record properties. Updated departure time, additional stops, etc. | Confirmation message |  | High |
| Show timetable record |  | Timetable generated from journeys and routes |  | High |
| Show specific timetable entries | Input timetable properties. Train, journey, staff, stations | Timetable generated from journeys and routes sorted by specific inputs |  | Mid |