

Functionality shared by system administrator and controller account types

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 specific to the controller account type

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