**Operator**

**List Journey**

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| **USE CASE-UC06 SPECIFICATION** | | | | |
| **Use-case No.** | UC | **Use-case Version** | | v1.2 |
| **Use-case Name** | List Journey. | | | |
| **Author** | Nguyen Thi Bich Tram. | | | |
| **Date** | 30/01/2013 | **Priority** | High | |
| **Actor:**  Operator.  **Summary:**  Operators can view the schedule of Journeys and its detail.  **Goal:**  Helps the Operator officers control the schedule of the Journeys.  **Triggers:**  Operator wants to view the Journeys in future.  (User clicks “Manage Schedule” tab of section “Quan ly” in menu bar)  **Preconditions:**  User logins into system with role Operator.  **PostConditions:**  Success:   * User can view the entire schedule.   Failure: System displays error message. Content of error message will be specified in Exception section.  **Main Success Scenario:**   |  |  | | --- | --- | | Actor Actions | System Response | | 1. User clicks “Manage Schedule” tab of section “Quan ly” in menu bar. | 2. Schedule screen will be shown, all the information of Journeys are loaded.  + Button Add new schedule  + Grid show all available trips:   * Bus Number: Plate number of the bus * From date: Departure date of the Journey * To date: Arrival date of the Journey * End Station: End station of the Journey   + Button View details and Delete in each Journey. |   **Exceptions:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Exception 1]  1. If some error occur when loading the journeys information | 2. Message pop is displayed “Failure to Load journeys. Please try again!” |   **Alternative scenarios:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Alternative 1]  1. If user click button “View Detail”  3. User click on button Close (or the X in the right top of screen or click outside the popup) | 2. Detail schedule popup will be shown. Grid detail schedule including following information:  + Segment Name: Name of the segment.  + Departure date: Departure date of the segment.  + Arrival date: Arrival date of the segment.  Button Return to Schedule.  4. Detail schedule popup is closed. |   **Relationships:**  Login.  **Business rules:**  Schedule screen only shows journeys which status is “ontrip” and “schedule”. | | | | |

**Operator**

**List Journey**

**Create Journey**

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| **USE CASE-UC06 SPECIFICATION** | | | | |
| **Use-case No.** | UC | **Use-case Version** | | v1.2 |
| **Use-case Name** | Create Journey. | | | |
| **Author** | Nguyen Thi Bich Tram. | | | |
| **Date** | 30/01/2013 | **Priority** | High | |
| **Actor:**  Operator.  **Summary:**  Operators can create new Journeys.  **Goal:**  Helps the Operator officers plan the schedule of the Journeys.  **Triggers:**  Operators plan the Journeys in future.  (User clicks Add new Schedule button in journey list)  **Preconditions:**  User is in screen Manage Schedule.  **PostConditions:**  Success:   * Add Journeys successfully into database. * User can view the entire schedule.   Failure: System displays error message. Content of error message will be specified in Exception section.  **Main Success Scenario:**   |  |  | | --- | --- | | Actor Actions | System Response | | 1. Click button Add new Schedule    3. Input following journey information into detail section:  + Route Name (select from dropdown list): Name of the route.  + From Date (select from date time picker): Departure date of the journey.  + Bus Type (select from dropdown list): Type of the bus.  + Bus plate number (select from dropdown list): Plate number of the bus.  Click Save Changes (Exception 1) (Exception 2) (Alternative scenarios 1) | 2. Add new Schedule popup is shown the form to create journey.  4. System automatically assigns Arrival date. The new journey is saved to database, grid journey is reloaded shows the information of all trips (including recent added journey). |   **Exceptions:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Exception 1]  1. If missing information of the journey (Route Name or From Date or Bus type does not input, or Bus Plate number dropdown list does not has a value)  [Exception 2]  1. If the insert trip progress failure. | 2. Button Save Changes is not enabled.  2. Message pop is displayed “Failure to Insert. Please try again!” |   **Alternative scenarios:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Alternative 1]  1. If user clicks button Close (or the X in the right top of screen or click outside the popup). | 2. Add new Schedule popup is closed. |   **Relationships:**  Login.  List Journeys.  **Business rules:**  Departure date is within 3 months from the current date. | | | | |

**Operator**

**List Journey**

**Delete Journey**

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| **USE CASE-UC06 SPECIFICATION** | | | | |
| **Use-case No.** | UC | **Use-case Version** | | v1.2 |
| **Use-case Name** | Delete Journey. | | | |
| **Author** | Nguyen Thi Bich Tram. | | | |
| **Date** | 30/01/2013 | **Priority** | High | |
| **Actor:**  Operator.  **Summary:**  Operators can delete Journeys.  **Goal:**  Helps the Operator officers plan the schedule of the Journeys.  **Triggers:**  Operators plan the Journeys in future.  (User clicks Delete button in journey list)  **Preconditions:**  User is in screen Manage Schedule.  **PostConditions:**  Success:   * Delete Journeys successfully from database. * User can view the entire schedule.   Failure: System displays error message. Content of error message will be specified in Exception section.  **Main Success Scenario:**   |  |  | | --- | --- | | Actor Actions | System Response | | 1. Click button Delete beside each journey    3. Click button Delete (Exception 1) (Exception 2)(Alternative 1)  5. Click button OK | 2. Confirm message box shown: “Do you want to delete this journey?”  4. Confirm message box shown: “Journey removed successfully”.  6. Manage schedule screen reloaded, shows the entire available schedule. |   **Exceptions:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Exception 1]  1. If this journey has at least 1 reservation booking for it  3. Click button OK  [Exception 1]  1. If this journey has departure date time bigger than current date time.  3. Click button OK | 2. Confirm message box shown: “Cannot delete trip. This trip has X reservation(s) depend on it ”  4. Confirm message box closed.  2. Confirm message box shown: “Cannot delete trip. This trip is in the pass ”  4. Confirm message box closed. |   **Alternative scenarios:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Alternative 1]  1. If user click button Close | 2. Confirm popup is closed. |   **Relationships:**  Login.  **Business rules:**  User only can delete journey which has no reservation depend on it.  User can only delete journey which departure date time bigger than current date time. | | | | |

**Operator**

**List Route**

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| **USE CASE-UC06 SPECIFICATION** | | | | |
| **Use-case No.** | UC | **Use-case Version** | | v1.2 |
| **Use-case Name** | List Route. | | | |
| **Author** | Nguyen Thi Bich Tram. | | | |
| **Date** | 30/01/2013 | **Priority** | High | |
| **Actor:**  Operator.  **Summary:**  Operators can view the entire available route and its detail.  **Goal:**  Helps the Operator officers control the entire routes.  **Triggers:**  Operator wants to view the Journeys in future.  (User clicks “Manage route” tab of section “Quan ly” in menu bar)  **Preconditions:**  User logins into system with role Operator.  **PostConditions:**  Success:   * User can view the entire route.   Failure: System displays error message. Content of error message will be specified in Exception section.  **Main Success Scenario:**   |  |  | | --- | --- | | Actor Actions | System Response | | 1. User clicks “Manage Route” tab of section “Quan ly” in menu bar. | 2. Route screen will be shown, all the information of routes are loaded.  + Button Add new route  + Grid show all available routes:   * Route name: Name of route * Total Duration: Total travel time of route.   + Button View details and Delete in each route. |   **Exceptions:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Exception 1]  1. If some error occur when loading the routes information | 2. Message pop is displayed “Failure to Load routes. Please try again!” |   **Alternative scenarios:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Alternative 1]  1. If user click button “View Detail”  3. User click on button Return to Route list | 2. Detail of route screen will be shown. Grid route detail including following information:  + Segment Name: Name of the segment.  + Duration: Travel time of each segment.  Dropdown Bus type: types of buses in the current route.  Button Add bus Price  Button Assign bus to Route  4. Return to Route list screen. |   **Relationships:**  Login. | | | | |

**Operator**

**List Route**

**Create Route**

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| **USE CASE-UC06 SPECIFICATION** | | | | |
| **Use-case No.** | UC | **Use-case Version** | | v1.2 |
| **Use-case Name** | Create Route. | | | |
| **Author** | Nguyen Thi Bich Tram. | | | |
| **Date** | 30/01/2013 | **Priority** | High | |
| **Actor:**  Operator.  **Summary:**  Operators can create new Route.  **Goal:**  Helps the Operator officers plan new route.  **Triggers:**  Operators want to create more routes.  (User clicks Add new Route button in route list)  **Preconditions:**  User is in screen Manage Routes.  **PostConditions:**  Success:   * Add routes successfully into database. * User can view the list of all available routes.   Failure: System displays error message. Content of error message will be specified in Exception section.  **Main Success Scenario:**   |  |  | | --- | --- | | Actor Actions | System Response | | 1. Click button Add new Route    3. Input following route information into detail section:  + Start At (select from dropdown list): The start city of the segment.  + Start Station (select from dropdown list): Station in selected city.  + End At (select from dropdown list): The End city of the segment.  + End Station (select from dropdown list): Station in selected city.  + Duration: Travel time of the segment. (Exception 5)  Click button Add to select the segment and create the next segment of route (Exception 1)(Exception 2)  Click button Save to save the route to database. (Exception 3) (Exception 4) (Alternative 1) | 2. Add new Route popup is shown the form to create journey.  4. The new route is saved to database, grid route is reloaded shows the information of all routes (including recent added route). |   **Exceptions:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Exception 1]  1. If missing information of the route (Start city, Start station, End city, End station, Duration)  [Exception 2]  1. If number of segment larger than maximum segment  3. Clicks button Save(Exception 4) (Alternative 1)  [Exception 3]  1. If there no segment is added.  [Exception 4]  1. If the insert route progress failure.  [Exception 5]  1. If segment exist in database (segment has the same Start station and End station) | 2. Button Add is not enabled.  2. Error popup shown: “Maximum segment added. Do you want to save this route?”  4. The new route is saved to database, grid route is reloaded shows the information of all routes (including recent added route).  2. Button Save is not enabled.  2. Message pop is displayed “Failure to Insert. Please try again!”  2. System auto fill the duration text box and disable it. |   **Alternative scenarios:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Alternative 1]  1. If user clicks button Close (or the X in the right top of screen or click outside the popup). | 2. Add new Route popup is closed. |   **Relationships:**  Login.  List Routes.  **Business rules:**  Start station of the next segment should be the End station of the previous segment.  Segment cannot be duplicated in database. (segments has the same Start station and End station) | | | | |

**Operator**

**List Route detail**

**Create tariff**

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| **USE CASE-UC06 SPECIFICATION** | | | | |
| **Use-case No.** | UC | **Use-case Version** | | v1.2 |
| **Use-case Name** | Create tariff. | | | |
| **Author** | Nguyen Thi Bich Tram. | | | |
| **Date** | 30/01/2013 | **Priority** | High | |
| **Actor:**  Operator.  **Summary:**  Operators can create new price of Route.  **Goal:**  Helps the Operator officers plan new tariff.  **Triggers:**  Operators want to create more tariffs.  (User clicks Add Bus Price button in route detail list)  **Preconditions:**  User is in screen Route details.  **PostConditions:**  Success:   * Add new tariff successfully into database. * User can view recent added tariff.   Failure: System displays error message. Content of error message will be specified in Exception section.  **Main Success Scenario:**   |  |  | | --- | --- | | Actor Actions | System Response | | 1. Click button Add Bus Price    3. Input following route information into detail section:  + Valid date (select from date time picker): Date time apply the new tariff for the route.  + Bus type(select from dropdown list): bus type of the new tariff  + Price (text box): enter price in new tariff of each segment.  Click button Save to create tariff (Exception 1) (Exception 2) (Alternative 1) | 2. Add new bus price popup is shown the form to create tariff.  4. The new tariff is saved to database. |   **Exceptions:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Exception 1]  1. If missing information of the tariff (Valid from date, bus type or price)  [Exception 2]  1. If the insert tariff progress failure. | 2. Button Save is not enabled.  2. Message pop is displayed “Failure to Insert. Please try again!” |   **Alternative scenarios:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Alternative 1]  1. If user clicks button Close (or the X in the right top of screen or click outside the popup). | 2. Add new tariff popup is closed. |   **Relationships:**  Login.  List Routes.  List Route details.  **Business rules:**  The valid date should be bigger than current date.  At a time, a bus type in a segment should has only one tariff. | | | | |

**Operator**

**List Route detail**

**Create tariff**

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