**Operator**

**Manage Trips**

**Create Trip**

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| **USE CASE-UC06 SPECIFICATION** | | | | |
| **Use-case No.** | UC | **Use-case Version** | | v1.2 |
| **Use-case Name** | Create Trip. | | | |
| **Author** | Nguyen Thi Bich Tram. | | | |
| **Date** | 30/01/2013 | **Priority** | High | |
| **Actor:**  Operator.  **Summary:**  Operators can view the schedule of trips, create new trips.  **Goal:**  Helps the Operator officers control and plan the schedule of the trips.  **Triggers:**  Operator wants to view or plan the trips in future.  (User clicks “Schedule” button)  **Preconditions:**  User logins into system with role Operator.  User clicks on “Schedule” button.  **PostConditions:**  Success:   * User can view the entire schedule. * Add trips successfully into database.   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 “Schedule” button.  3. Input following trip information into Trip detail section:  + Route Name (select from dropdown list): Name of the route.  + Bus Type (select from dropdown list): Type of the bus.  + Departure time (select from date time picker): Departure date of the trip.  5. User clicks on Submit button.  7. User click button Return to index screen. | 2. Schedule screen will be shown, all the trips is loaded.  4. System automatically assigns Arrival date and Bus Plate. Button Submit this trip is enabled.  6. The new trip is saved to database, trips grid is reloaded shows the information of all trips (including recent added trip).  Trip detail section is returned to default value. |   **Exceptions:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Exception 1]  1. After input Departure time, if there’re no available Bus to be assign to the trip.  [Exception 2]  1. If the insert trip progress failure. | 2. Button Submit is not enabled.  2. Message pop is displayed “Failure to Submit. Please try again!” |   **Relationships:**  Login. | | | | |

**Operator**

**Manage Trips**

**Update Trip**

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| **USE CASE-UC06 SPECIFICATION** | | | | |
| **Use-case No.** | UC | **Use-case Version** | | v1.2 |
| **Use-case Name** | Update Trip. | | | |
| **Author** | Nguyen Thi Bich Tram. | | | |
| **Date** | 30/01/2013 | **Priority** | High | |
| **Actor:**  Operator.  **Summary:**  Operators can view the schedule of trips and update them.  **Goal:**  Helps the Operator officers control and plan the schedule of the trips and buses.  **Triggers:**  Operator wants to view or control the schedule.  (User clicks “Schedule” button)  **Preconditions:**  User logins into system with role Operator.  User clicks on “Schedule” button.  **PostConditions:**  Success:   * User can view the entire schedule. * User cans update the trip successfully.   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 “Schedule” button.  3. User clicks on a trip in grid.  5. Edit following trip information into Trip detail section:  + Departure time (select from date time picker): Departure date of the trip.  + Bus Plate (select from dropdown list)  7. User clicks on Submit button.  9. User click button Return to index screen. | 2. Schedule screen will be shown, all the trips is loaded.  4. Trip’s detail is showed in Trip detail section.  6. Button Submit this trip is enabled.  8. Updated information of the trip is saved into database, trips grid is reloaded shows the information of all trips (including recent updated trip).  Trip detail section is returned to default value. |   **Exceptions:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Exception 1]  1. After input Departure time, if there’re no available Bus to be assign to the trip.  [Exception 2]  1. If the insert trip progress failure. | 2. Button Submit is not enabled.  2. Message pop is displayed “Failure to update this trip. Please try again!” |   **Relationships:**  Login.  **Business Rules:**  User only can update 2 information departure date and bus plate. | | | | |

**Operator**

**Manage Trips**

**Remove Trip**

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| **USE CASE-UC06 SPECIFICATION** | | | | |
| **Use-case No.** | UC | **Use-case Version** | | v1.2 |
| **Use-case Name** | Remove Trip. | | | |
| **Author** | Nguyen Thi Bich Tram. | | | |
| **Date** | 30/01/2013 | **Priority** | High | |
| **Actor:**  Operator.  **Summary:**  Operators can view the schedule of trips and remove them.  **Goal:**  Helps the Operator officers control and replant the schedule of the trips and buses.  **Triggers:**  Operator wants to view or replant the schedule.  (User clicks “Schedule” button)  **Preconditions:**  User logins into system with role Operator.  User clicks on “Schedule” button.  **PostConditions:**  Success:   * User can view the entire schedule. * User can remove the trip successfully.   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 “Schedule” button.  3. User clicks on Remove this trip button.  5. User clicks on button OK.  9. User click button Return to index screen. | 2. Schedule screen will be shown, all the trips is loaded.  4. Message box was shown “This trip is currently has XX ticket(s). Do you still want to remove? ”. (XX is number of ticket booked of the trip)  8. Status of trip is disabled and saved into database, trips grid is reloaded shows the information of all trips. |   **Exceptions:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Exception 1]  1. If the remove trip progress failure. | 2. Message pop is displayed “Failure to remove this trip. Please try again!” |   **Relationships:**  Login.  **Business Rules:**  User can remove trips which departure date time is bigger than current day. | | | | |

**Operator**

**Manage Buses**

**Add Bus**

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| **USE CASE-UC06 SPECIFICATION** | | | | |
| **Use-case No.** | UC | **Use-case Version** | | v1.2 |
| **Use-case Name** | Add Bus. | | | |
| **Author** | Nguyen Thi Bich Tram. | | | |
| **Date** | 30/01/2013 | **Priority** | High | |
| **Actor:**  Operator.  **Summary:**  Operators can view all the buses or add new bus.  **Goal:**  Helps the Operator officers add new bus into system.  **Triggers:**  Operator wants to view or add new bus..  (User clicks “Manage Buses” button)  **Preconditions:**  User logins into system with role Operator.  User clicks on “Manage Buses” button.  **PostConditions:**  Success:   * User can view the entire buses in the system. * Add bus successfully into database.   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 Bus” button.  3. Input following trip information into Trip detail section:  + Route Name (select from dropdown list): Name of the route.  + Bus Type (select from dropdown list): Type of the bus.  + Departure time (select from date time picker): Departure date of the trip.  5. User clicks on Submit button.  7. User click button Return to index screen. | 2. Manage Buses screen will be shown, all the buses is loaded.  4. System automatically assigns Arrival date and Bus Plate. Button Submit this trip is enabled.  6. The new trip is saved to database, trips grid is reloaded shows the information of all trips (including recent added trip).  Trip detail section is returned to default value. |   **Exceptions:**   |  |  | | --- | --- | | Actor Actions | System Response | | [Exception 1]  1. After input Departure time, if there’re no available Bus to be assign to the trip.  [Exception 2]  1. If the insert trip progress failure. | 2. Button Submit is not enabled.  2. Message pop is displayed “Failure to Submit. Please try again!” |   **Relationships:**  Login. | | | | |