Use Case - Document

# Title:

Add Bus

# Description:

The Use Case allow a Admin to add a Bus information such as bus number, bus registration number , total seats,Bus Type(Ac,NonAc) etc.

# Use Case Diagram:



# Pre-Conditions:

# Post-Conditions:

1. The complete information about Bus is added to database on successful use case.

# Primary Flow:

1. Use Case Starts when a Admin chooses to Add a new Bus
2. The system request that actor enter bus information
3. The Actor enters bus information
4. The System validates provided information
5. The System checks if bus information is already exist
6. The system stores bus information
7. The system displays message to the actor
8. Use case ends

# Alternate Flow:

1. Bus information is not valid
   * If the bus information is not valid(such as Bus registration number,bus number etc), the system displays an error message.

Actor can choose to either return to beginning of primary flow or cancel adding a bus at which point use case ends

1. Bus registration number is already found
   * If bus registration number is already exist,the system displays an error message
   * Actor can choose to either return to beginning of primary flow or cancel adding a bus at which point use case ends
2. Bus number is already found
   * If bus number is already exist,the system displays an error message
   * Actor can choose to either return to beginning of primary flow or cancel adding a bus at which point use case ends

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# Exception Flow:

1. Database system connectivity problem
   * If system is unable to communicate with database system, the system will attempt to reconnect with database system after specified period.If there is failure to connect after fixed number of attempts,the system displays an error message. Actor can choose to either return to beginning of primary flow or cancel adding a bus at which point use case ends.

# Data:

1. Bus number- alphanumeric
2. Bus Registration number- alphanumeric
3. Total number of seats- integer
4. BusType(ServiceType Ac-NonAC)-string
5. Fromcity- drop down list of city
6. Tocity-drop down list of city

# Special Requirements:

none

# Extension Points:

none