

Admin

User

4.3. Use cases description

4.3.1. Registration(Admin)

|  |  |
| --- | --- |
| **Use Case Name:** | Registration(Admin) |
| **Brief Description:** | Admin should be registered to access the system. Fill up the text boxes named name, username, password, roll, address, date of birth, fathers name, mothers name. |
| **Priority** | Essential |
| **Trigger** | Admin fill the property |
| **Precondition** | User is connected to the internet and on the TMS home page. |
| **Basic Path** | The server presents Registration. |
| **Alternate Path** | N/A |
| **Post condition** | User is on the registration form. |
| **Exception Path** | If there is a connection failure, the Server returns to the wait state. |

4.3.2. Login(Admin)

|  |  |
| --- | --- |
| **Use Case Name:** | Login(Admin) |
| **Brief Description:** | Entered into the system & Click on the login button. Fill up the text boxes named username, password. Click on login button |
| **Priority** | Essential |
| **Trigger** | To enter the system. |
| **Precondition** | User are connected to the internet and on the Home Page. |
| **Basic Path** | 1. The server presents the Login Page. |
| **Alternate Path** | N/A |
| **Post condition** | The survey record is created in the Survey Table of the Database. |
| **Exception Path** | If the connection is terminated before the form is submitted, the fields are all cleared and the Server is returned to the wait state. |

4.3.3 **Seeing own details.**

|  |  |
| --- | --- |
| **Use Case Name:** | Seeing own details(Admin) |
| **Brief Description:** | This operation permits to see admin profile |
| **Priority** | Optional. |
| **Trigger** | View admin details. |
| **Precondition** | User are connected to the internet and on the View profile page. |
| **Basic Path** | Login into the system. Click on the view profile button & Seeing own details. |
| **Alternate Path** | N/A |
| **Post condition** | User is on the View profile page. |
| **Exception Path** | If there is a connection failure, the Server returns to the wait state. |

4.3.4 **Editing own details(Admin)**

|  |  |
| --- | --- |
| **Use Case Name:** | Editing own details(admin) |
| **Brief Description:** | This operation permits to update Admin details. |
| **Priority** | Optional. |
| **Trigger** | Update Admin profile. |
| **Precondition** | User are connected to the internet and on the Update profile page. |
| **Basic Path** | Login into the system. Click on the update profile button. Click on the certain button what is going to be edited. Enter the new detail. Enter the submit button. |
| **Alternate Path** | N/A |
| **Post condition** | User is on the update profile page and have admin roll. |
| **Exception Path** | 1. If the connection is terminated before the form is submitted, the fields are cleared and the Server is returned to the wait state. |

**4.3.5. Update parking spot details**

|  |  |
| --- | --- |
| **Use Case Name:** | Update parking spot details |
| **Brief Description:** | This operation permits admin to update parkin spot details at a certain street. |
| **Priority** | Essential |
| **Trigger** | Admin update parkin spot in the TMS Database. |
| **Precondition** | Admin must be connected to the Internet, logged in and on the parking spot page |
| **Basic Path** | Login into the system. Click Update parking button. Enter the parking place details & click the update button. |
| **Alternate Path** | N/A |
| **Post condition** | User is on the parking spot page and have admin roll. |
| **Exception Path** | 1. If the connection is terminated before the form is submitted, the fields are cleared and the Server is returned to the wait state. |

4.3.6. **Real time Notice**

|  |  |
| --- | --- |
| **Use Case Name:** | Real time Notice. |
| **Brief Description:** | This operation permits admin to Notify recent jam status and accident. |
| **Priority** | Essential |
| **Trigger** | Admin notify recent jam status. |
| **Precondition** | Admin must be connected to the Internet, logged in and on the Notify page |
| **Basic Path** | Login into the system. Click the Notice button. Enter recent accident and traffic jam information in details. Click on the notify button. |
| **Alternate Path** | N/A |
| **Post condition** | User is on the Notify page and have admin roll. |
| **Exception Path** | 1. If the connection is terminated before the form is submitted, the fields are cleared and the Server is returned to the wait state. |

4.3.7. **Update speed limit of vehicle at a certain road**

|  |  |
| --- | --- |
| **Use Case Name:** | Update speed limit of vehicle at a certain road |
| **Brief Description:** | This operation permits Admin to update seep limit of a vehicle at a certain road to the TMS Database. |
| **Priority** | Essential |
| **Trigger** | Admin update speed limit in the TMS Database. |
| **Precondition** | User is on the Speed limit page and have admin roll. |
| **Basic Path** | Login into the system. Click speed limit button. Enter the maximum speed limit(Km/h) of a vehicle in a certain road. Click submit button. |
| **Alternate Path** | N/A |
| **Post condition** | User is on the speed limit page and have admin roll. |
| **Exception Path** | 1. If the connection is terminated before the form is submitted, the fields are cleared |

4.3.8. **Update traffic monitoring tool and requirement that will be improved**

|  |  |
| --- | --- |
| **Use Case Name:** | Update traffic monitoring tool and requirement that will be improved |
| **Brief Description:** | This operation permits the Admin/User to Update traffic monitoring tool and requirement that will be improved. |
| **Priority** | Essential. |
| **Trigger** | Admin update speed traffic monitoring tool in TMS database. |
| **Precondition** | User is on the Requirement page and have admin roll. |
| **Basic Path** | Login into the system. Click requirement button. Note the information about damaged roads, under-construction roads, broken bridges. Select where CCTV cameras is needed in such an important position. Note the place where street light is required. Click update button. |
| **Alternate Path** | N/A |
| **Post condition** | User is on the requirement page and have admin roll. |
| **Exception Path** | 1. If the connection is terminated before the information is returned, the Server is returned to the wait state. |

4.3.9. Update List of jam-prone Areas

|  |  |
| --- | --- |
| **Use Case Name:** | Update list of jam-prone areas |
| **Brief Description:** | This operation permits the Admin to Update the list of jam-prone areas in the city. |
| **Priority** | Essential. |
| **Trigger** | Admin update jam-prone areas list in TMS database. |
| **Precondition** | User is on the jam-prone areas page and have admin roll. |
| **Basic Path** | Login into the system. Click the jam-prone button. Check the jam-prone areas and update list. also add the alternative roads to go. Click update button. |
| **Alternate Path** | N/A |
| **Post condition** | User is on the jam-prone page and have admin roll. |
| **Exception Path** | 1. If the connection is terminated before the information is returned, the Server is returned to the wait state. |

4.3.10. User Login

|  |  |
| --- | --- |
| **Use Case Name:** | Login(User) |
| **Brief Description:** | Use should be Sign In first to access the system. Fill up the text boxes named name, username, password, roll, address, date of birth, fathers name, mothers name. After successfully sign in they can access they system. |
| **Priority** | Essential |
| **Trigger** | To enter the system. |
| **Precondition** | User are connected to the internet and on the Home Page. |
| **Basic Path** | 1. The server presents the Login Page. |
| **Alternate Path** | N/A |
| **Post condition** | The survey record is created in the Survey Table of the Database. |
| **Exception Path** | If the connection is terminated before the form is submitted, the fields are all cleared and the Server is returned to the wait state. |

4.3.11. View Notification about recent accident and jam status

|  |  |
| --- | --- |
| **Use Case Name:** | View Notification about recent accident and jam status. |
| **Brief Description:** | This operation permits the User to see recent accident and jam status in the city. |
| **Priority** | Essential. |
| **Trigger** | User get notified recent accident news in the city. |
| **Precondition** | User is on the Home page. |
| **Basic Path** | Login into the system. Click Home button. And get recent traffic news . |
| **Alternate Path** | N/A |
| **Post condition** | User is on the Home page. |
| **Exception Path** | 1. If the connection is terminated before the information is returned, the Server is returned to the wait state. |

4.3.8. **Complain about any discomfort(User)**

|  |  |
| --- | --- |
| **Use Case Name:** | Complain about any discomfort |
| **Brief Description:** | This operation permits the Admin/User to Complain about any discomfort at a certain Street |
| **Priority** | Essential. |
| **Trigger** | User can complain about any discomfort that will be add into TMS database. |
| **Precondition** | User is on the Complain page. |
| **Basic Path** | Login into the system. Click Complain button. Write a complain about damaged roads, under-construction roads, broken bridges. Complain authority where CCTV cameras is needed in such an important position and where street light is required. Click Submit button. |
| **Alternate Path** | N/A |
| **Post condition** | User is on the requirement page and have admin roll. |
| **Exception Path** | 1. If the connection is terminated before the information is returned, the Server is returned to the wait state. |