**CENSUS DUTY**

**Group -D17- Members**

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**Project Abstract:**

This project aim is to create user-friendly and reliable application which can efficiently maintain a systematic database for census. This application will be used by government schoolteachers for census. For census a teacher is given certain number of location that he/she must visit and conduct the census in a location he must visit every house and collect the data from each of them data and the data which they input will be saved in a database and then government can access that database and publish the detailed result of census.

**Keywords:** User cases, Functional Requirements, Actors, User Case Description, User Case Diagram, User Interface design.

**Functional Requirements of the System**

1. User need to register with the system before using the application.
2. User have to login to access the database.
3. Authorized government person can only retrieve the Server data.

**User cases**

1. Register
2. Login
3. Insert
4. Edit
5. Logout

**Actors**

1. User: User is a person who has registered with the system using his/her School id, Name, Designation and Password

**Use Case Description**

|  |  |
| --- | --- |
| **Use Case** | Register |
| **Actor** | User |
| **Inputs** | School id, Name, Designation and Password |
| **Description & Outputs** | The system will add a user |

|  |  |
| --- | --- |
| **Use Case** | Login |
| **Actor** | User |
| **Inputs** | ID and Password |
| **Description & Outputs** | The system will validate the credentials entered by the user |

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| --- | --- |
| **Use Case** | Insert |
| **Actor** | User |
| **Inputs** | Location: ID, Name, City, District,  House: Number, Name, Name of Owner, Number of people living in House |
| **Description & Outputs** | It will display a success Message if the data is inserted successfully else it will display an error message |

|  |  |
| --- | --- |
| **Use Case** | Edit |
| **Actor** | User |
| **Inputs** | Edit the selected data which was inserted before |
| **Description & Outputs** | It will display a success Message if the data is edited successfully else it will give an error message |

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| --- | --- |
| **Use Case** | Logout |
| **Actor** | User |
| **Inputs** | Press the ‘logout’ button |
| **Description & Outputs** | By pressing this button, the user will be logged out of the system |

**User Case Diagram**

Diagram

Description automatically generated

**User Interface Design**

A white piece of paper with writing on it

Description automatically generated with low confidence

Text, letter

Description automatically generated