CENSUS DUTY MANAGEMENT SYSTEM

Group-members

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Abstract :

- ### What is Census ?
  - An official count or survey, especially of a population.
  - A census is the procedure of systematically calculating, acquiring and recording information about the members of a given population.

This project aims to develop a Censes duty management system. Teachers are assigned with the particular locations. They have to visit the houses in the particular location and the teacher has to collect the details of the members in the house. This system allows teachers to enter the details of the house members and also allows the user to update the details of the house members.

Teachers should login to system for adding the details. Users can get login to the system by using their Aadhaar Number and date of birth (same as in Aadhaar). By using the Aadhaar number as User-Id and date of birth as Password.

Functional requirements of the system :

Admin :

- Admin Login   O   Add Teachers
- Manage Teachers
- Assign locations to Teacher

Teacher :

- Teacher Login   O   Adds Details of Family members   **User (Family Head) :**

- User Login

- Updates Family Member Details (like name, dob, sex, email, phone, Education,Occupation, Address, Area, City, State, Aadhar card number, caste).   O

View status

Use cases :

- Login

- Add Teachers

- Assign Locations to Teachers

- Validate House member details

- Add House member details

- View assigned locations by admin

- View status

- Update House member details

- Logout

Actors :

- Admin(Head) - Assigns locations to teachers

- Teachers - visit the houses at particular location assigned by admin and records the details of house members.

- User - Owner of the house who can update their details

Use Case description :

Use Case :	Login
Actor :	Admin, Teacher, User
Inputs :	User-ID, Password
Outputs :	Verify the inputs. If the credentials are wrong error message will be displayed.
Description :	If correct credentials are entered then the actors can access the data accordingly .

Use Case :	Add Teachers
Actor :	Admin
Description :	Since Admin is the head he (or) she will add the details of teachers to the data.

Use Case :	Assign Location to teachers
Actor :	Admin
Description :	Since Admin is the head he (or) she will assign particular location for each teacher. In a way that no two teachers are assigned for same location.

Use Case :	Validate House member details
Actor :	Admin
Description :	Since Admin is the head he (or) she will verify the details of the house members gathered by teachers.

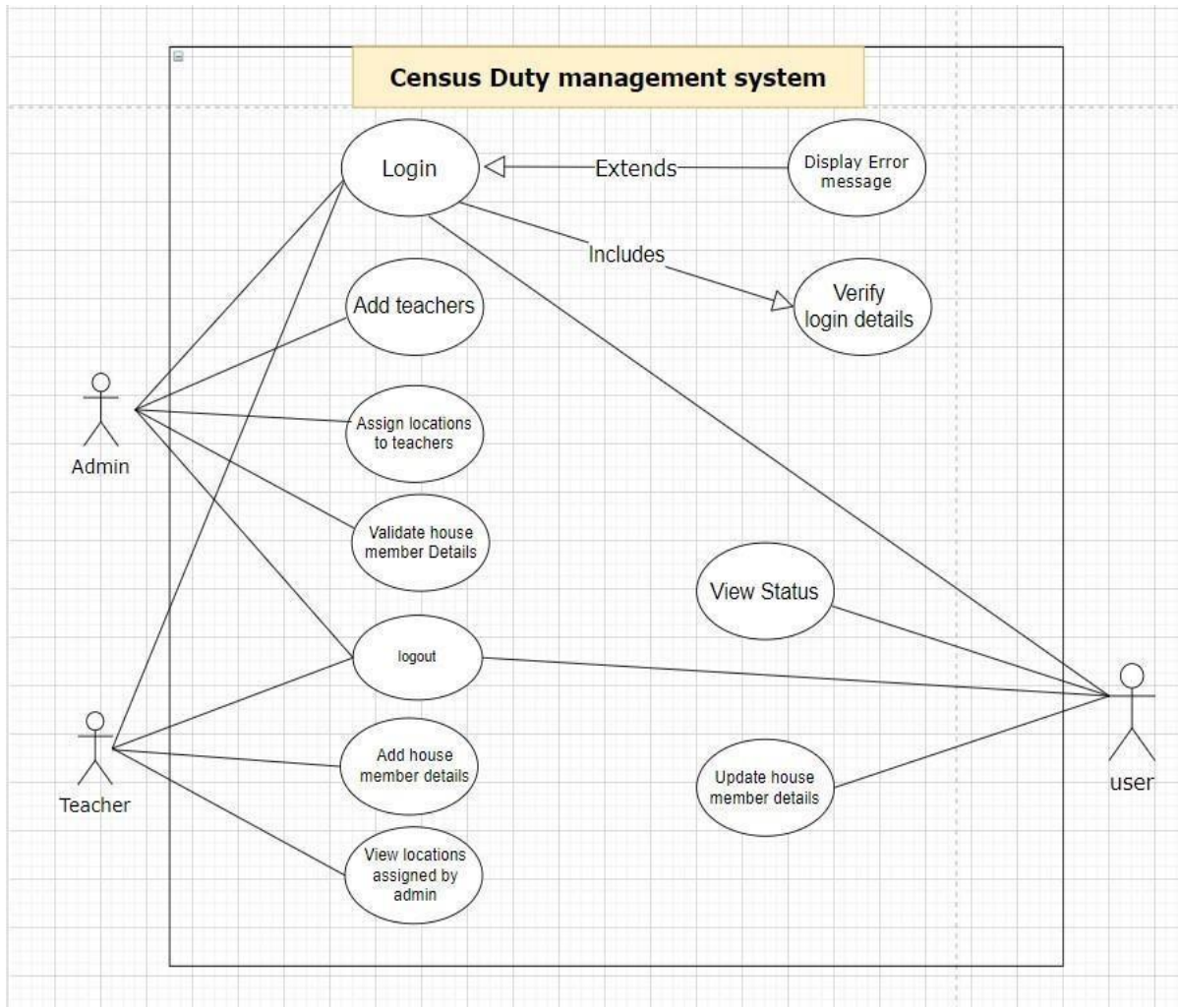| Use Case :	View locations assigned by the admin
Actor :	Teacher
Description :	Teacher will view the location assigned by the admin. So that the teacher can visit the houses assigned in the particular location.

Use Case :	Add house member details
Actor :	Teacher
Description :	Teacher will visit the houses assigned in the particular location and gather the details of house members and record the data.

Use Case :	Update house member details
Actor :	User
Description :	User can the update the details of the house members.

Use Case :	View status
Actor :	User
Description :	User can view the status of the given house member details.

Use Case:	Logout
Actor:	Admin, Teacher, User
Description:	They can logout from the system

USECASE DIGRAM:

Census Duty management system

Login ◁——Extends——— Display Error message

Login ———Includes———▷ Verify login details

Add teachers

Assign locations to teachers

Validate house member Details

Admin

logout

View Status

Add house member details

Update house member details

Teacher

View locations assigned by admin

user

User interface design :

Hello Admin

Add teachers
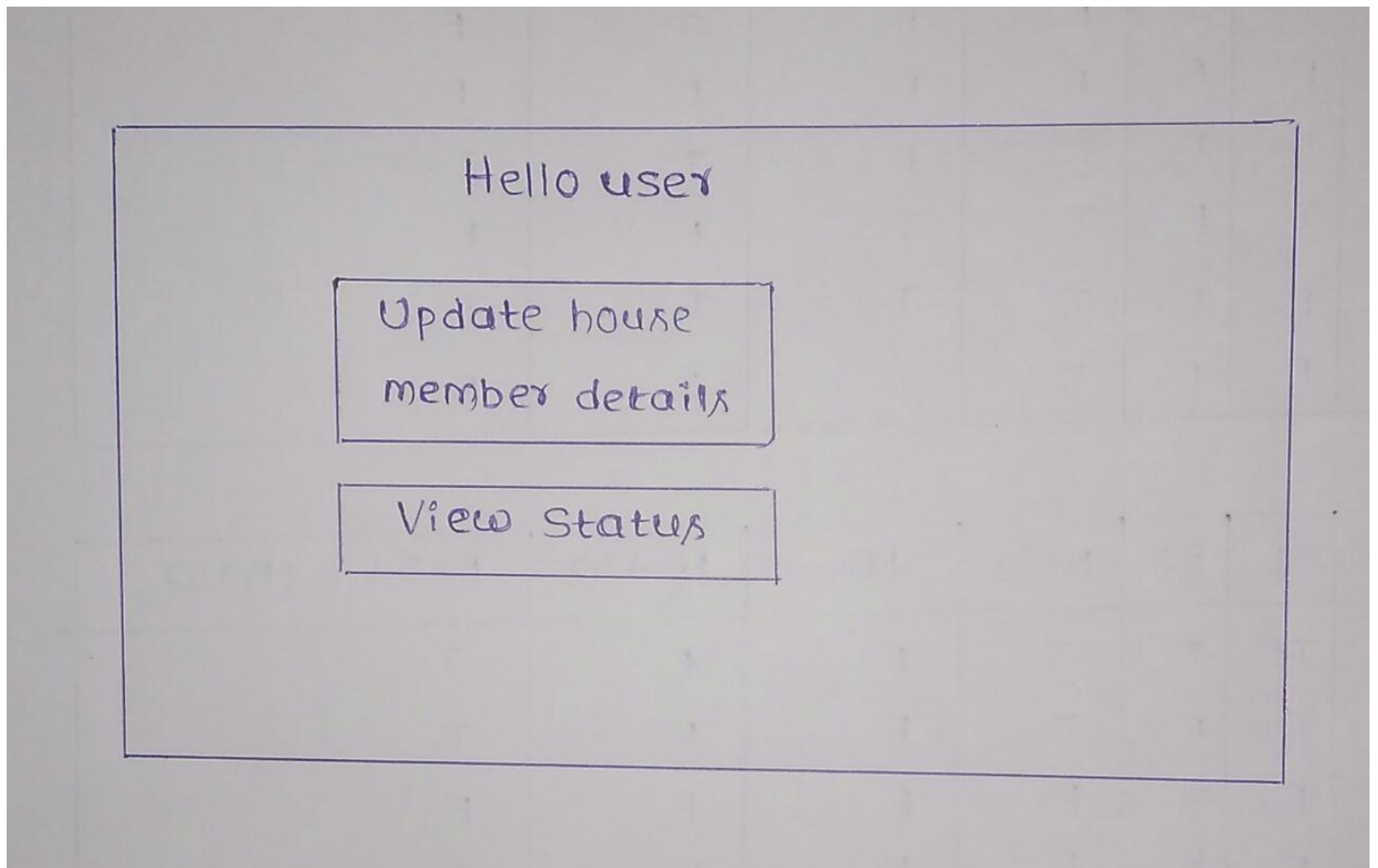
Assign location
to teachers

Validate house
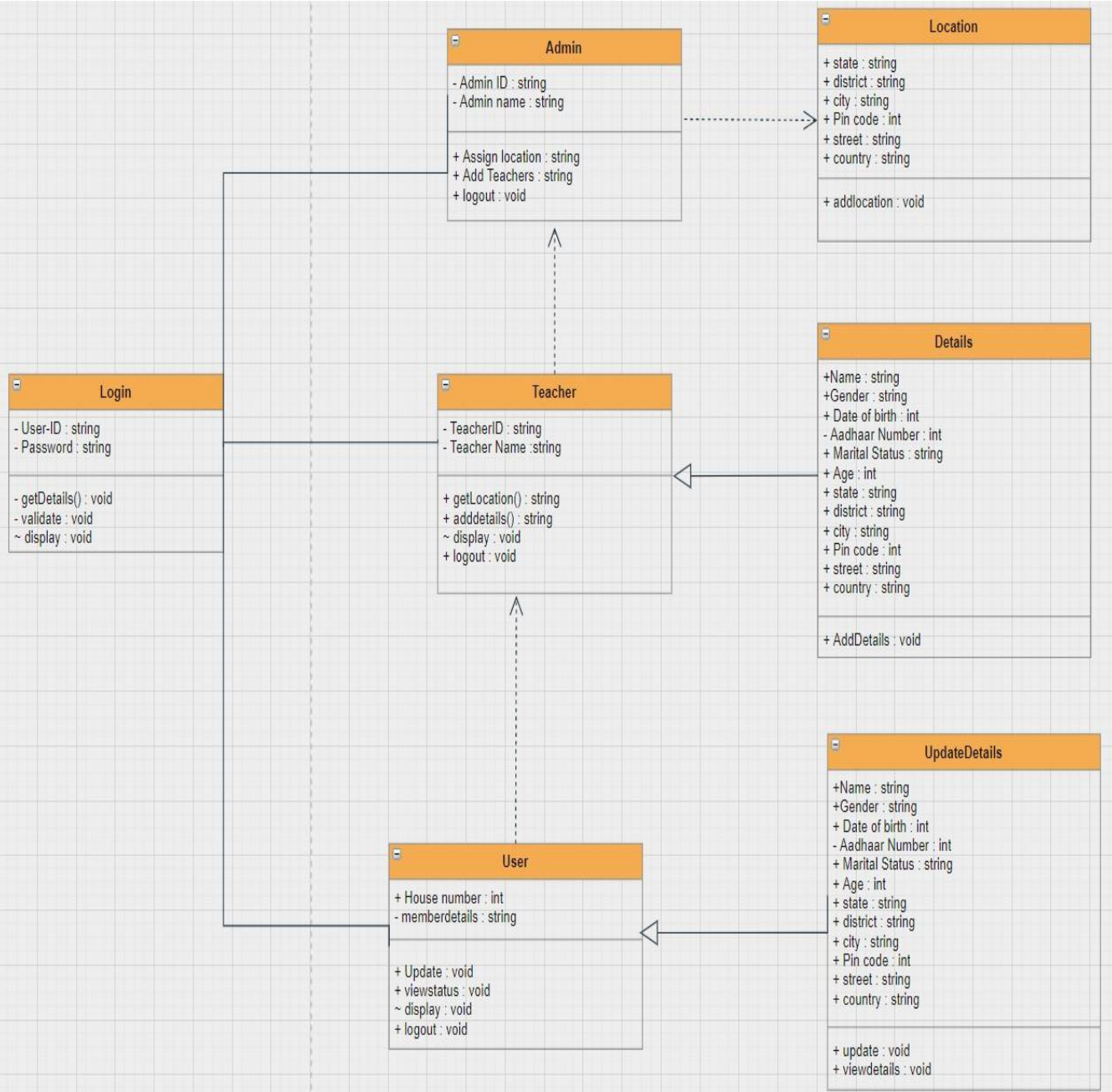member details

Hello, Teacher

View location
assigned by
admin

Add house
member details

```
+--------------------------------------------------+
|                   Hello user                     |
|                                                  |
|        +-------------------------------+         |
|        |  Update house                 |         |
|        |  member details               |         |
|        +-------------------------------+         |
|                                                  |
|        +-------------------------------+         |
|        |  View Status                  |         |
|        +-------------------------------+         |
|                                                  |
|                                                  |
+--------------------------------------------------+
```

Class Diagram:

a. Login
b. Admin
c. Teacher
d. User
e. View Details
f. Update Details
g. Location

Modifications done :

1.Completed JDBC Connection.

2.Fixed some errors.

3.Implemented JTable.

4.Modified UI Design.

5.Fixed login page issues.

UI DESIGNS :

CENSUS DUTY MANAGEMENT SYSTEM

Sign In

Username: [   ]

Password: [   ]

☐ Show Password

[LOGIN]   [RESET]

Welcome Admin

[LOGOUT]

Add Teachers

Assign locations to teachers

View House Member Details

Welcome Teacher

LOGOUT

View Location Assigned by Admin

Add House Member Details

Welcome User

LOGOUT

Update house member details

View Status

House_no	Name	Gender	DOB	Age	Aadhar	MaritalStatus	Street	City	District	State	Country	Pincode
H_01	PAVAN KUMAR	Male	06-04-2003	18	762765458788	Single	Darga	Nellore	SPSR NELLORE	AP	India	524240
H_01	PAVAN KUMAR	Male	06-04-2003	18	5656	Single	Darga	Nellore	SPSR NELLORE	AP	India	524240
H_01	pavan	Male	06-04-2003	18	565656565656	unmarried	Darga street	SPSR Nellore	Nellore	Andhra Pradesh	India	524240

Background Images :

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