**FINAL YEAR PROJECT REPORT**

**(Functional/Non-Functional Requirements)**

**Title:**

The Census System Website

**Group Members:**

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**Objective:**

Today at Pakistan the process of Census is done manually on papers by Government agents. They have to collect data from peoples and write down on papers and then they will have to write it again on other form like summary or etc. which cause lot of time and energy. Our aim is to create an online system that will ease the processes of CENSUS by storing the records online on a secured server instead of papers which will help to save lot of time and hard work.

**Functional Requirements:**

The functional requirements include the following points:

* This system is a web based platform
* Login page for the users. The allowed users will consist of Admin, Moderator and Government agents.
* Admin can register more admin or moderator or agents, or remove them
* Moderator can also register agents using their service numbers.
* Separate Panels for Admin , Moderator and Agents
* Uploading the complete details of the peoples on a secure server.
* This portals consists of all forms that are used in Census process of Government of Pakistan (sample forms are attached)
* Uploaded data will be locked and cannot be changed.
* Changes can be made on locked data by requesting to the admin or moderator to unlock the data.
* Agent can view the data that they have entered and modify it after the approval of moderator or admin.
* After each completion of Census Process all data will be locked and it can only be unlocked by admin.
* After each completion of Census process all data will be backup and will be used for next Census process.
* For next Census Process ,The agent have to just enter the CNIC number of the owner of the house and all related data will showed up and can be modify if needed.
* Admin has right to blocked the agents or moderators.

**Additional Requirements:**

The following features will be added if all above requirement are completed before time.

* + After each entry of a single house, we will take finger prints from the owner of the house and the data will be locked with his finger prints.
  + If there is a need of modification the data will be unlocked by the finger prints of the respective house owner.

**Non-Functional Requirements:**

* User friendly interface.
* Responsive web interface
* Good response time.
* Can store large amount of data.
* Data would remain secure.
* Large number of users can access this website.