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Muktidham: A Funeral Management System

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ABSTRACT -- The funeral management system is one of the most popular systems in the world, but it is not appropriate to talk about. The leaders are traditionally considered Asian countries (India, Singapore, China) and the European Union. When developing the concept, is based on modern technologies like API Technology, Virtual private servers, and data mining. The implementation of the concept proposed by us will solve several problems in the funeral system and, first of all, will increase the transparency of the industry, which is the main problem, according to society. In the future, based on changes in the burial procedure, it is planned to popularize cremation as a more environmentally friendly way of your loved one's funeral

Keywords – Funeral Management, Digitalization, API Technology.

1. INTRODUCTION

This era is living in a modern generation where technology has become part of people's lifestyles and industry's tools. The computer has helped in advancing worlds and work has aided get things done that were difficult manual process technology has shortened the period of accomplishing jobs. To transfer of information and transactions efficiently, the generation has coped especially with technologies as web and networking. Most of the systems that have been proposed helped to finish things fast and hasty. Examples of this are the Sales Inventory System, Library System, Online Enrolment System, and many more. Using systems that automated services, more jobs are completed less personal, but more satisfying. Based on this, modern technology has positive impact on many industries in terms of trading. As a result, the trading of goods because systematic in manageable. Hence companies must in system automation web-linked capability, and online marketing. Many firms remain stacked on the ground. These firms are said detached and are not able to recognize the potential of being connected to a large market mass. One of these funeral companies like Villacrusis Funeral.

2. MOTIVATION

The purpose of this project is to create training about the value of pre-planning for final arrangements. This project can also be used to educate all ages. However, the target audience for this training is adults aged 55 and older. Using adult learning theories of andragogy and transformative learning theory, the training will:

- Provide customer pre planned arrangements with prior knowledge.
- Create informative and interactive exercises to empower participants to make informed decisions, understand the value of planning ahead of time, and ultimately finalize funeral arrangements.

This discusses the increasing older adult population in the World, those who are engaged in pre-planning, their significance, and their components. Also in India, we all know about Ganga-Ghats where funeral practices are performed on large scale. Everyday there were 400+ funeral ceremony is getting conducted. To manage those scale of funeral we got motivated to propose this project. In other way, this funeral management problem is occurring in metropolitan cities where funeral ceremony is performed on large scale.

3. PROBLEM DEFINITION

This websites system is focuses on people who are experiencing the death event that occur, and will be searching for the location of the nearest funeral service centre, and then the database administrator will always be updating the latest information of the funeral service centre that available and their location. Consumers of the funeral system have special rights. According to 2012 Funeral Services Report, funeral homes, crematoriums, and cemeteries earned above 15 billion dollars in annual revenues. For consumer abuse some companies have a poor reputation. Even though the services continue to be necessary for virtually every family. Environmental pollution at cemeteries is a problem in this area.

Fig 3.1: Ganga Ghats

4. OBJECTIVE

- To design website that can generate a list of funeral service centre that display the description of the funeral service centre, their facilities available, list of service offer, additional services.
- To automate some sort of government document generation for example generation of death certificate.
- To developed a website that is functional and beneficial to the user by saving their time in searching for the funeral service centre via asking manually and research.

5. SCOPE

The scope is going to outline the users and functions of this website's system. In the future, we may have limitations due to inappropriate support from the government and vendors. This may lead to a limit our services provided by local vendors.

6. TECHNOLOGY

Software:

This project is a web-based model so only a device with internet connectivity is required from the user's standpoint.

This product will utilize various software components for its web-based functionality. A web server is required to host the website from the developers' standpoint.

- Front-end: HTML, CSS, Bootstrap, JavaScript.
- Backend: Python (Django).
- Database: MySQL.
- IDE's: V.S. Code, Pycharm.

Hardware:

Internal Interfaces (Server)

The hardware requirement includes a system with the following configurations:

- Operating System: Linux.
- Server: VPS (Virtual private server) / Dedicated Server.
- System with at least 2GB RAM.
- System with a processor of at least of 2Cores
- Bandwidth limit at least of 1TB

External Interfaces (User)

The hardware requirement for user to includes a system with the following configurations:

- Processor: Intel Pentium processor or above/Any type of Arm processor
- RAM: 1GB or above
- Input device: Standard Keyboard and Mouse or Touch
- Output device: VGA and High-Resolution Monitor

Communication:

As a part of its core functionality, this product will require an HTTP or HTTPS communication interface with the client device. In case of android APK compatibility API protocols used such as JSON.

7. MODULES

The Integrated Dashboard typically consists of several modules that work together to provide a comprehensive solution for managing all the processes like authentication, customer data, user data, vendor's data, government data, cemetery data, death certificate generation. Some of the common modules found in such systems include:

I. User Database Management

This model is used to store all the details regarding Users, such as id, username, password, email, first name, last name, is active, role.

II. Customer Database Management

This model is used to store all the details regarding Customers as:

- **Customer Details:** id, user, name, street, city, state, pin, mobile.

- **Customer Death Registration:** id, user, name of dead person, aadhar number, contact number, address, timestamp, image, is dead, is verified, is certificate generated, is invalid.

III. Vendor Database Management

This model is used to store all the details regarding Vendors, as:

- **Shop Model:** id, user, name, mobile, address, description.
- **Product Model:** id, shop, name, contact number, address, service provider, product details, product images
- **Order Model:** name, contact number, address, service provider, product details, product images.

IV. Government Database Management

This model is used to store all the government details regarding Government, like certificate id, user, death details, modified on, created on.

V. Cemetery Database Management

In this model we have stored details regarding Cemetery, such as id, user, service provider, mobile, address, location, description, total sales, total rupees earned, images.

Also data related to the bed management in cemetery is stored using bed, bed order.

VI. Hospital Database Management

This model is used to store all the details regarding Hospitals Models such as:

- **Hospital Model:** id, user, service provider, mobile, address, location, description, total sales, total rupees earned.
- **Hospital Order Model:** id, user, hospital, death, note, modified on, created on.

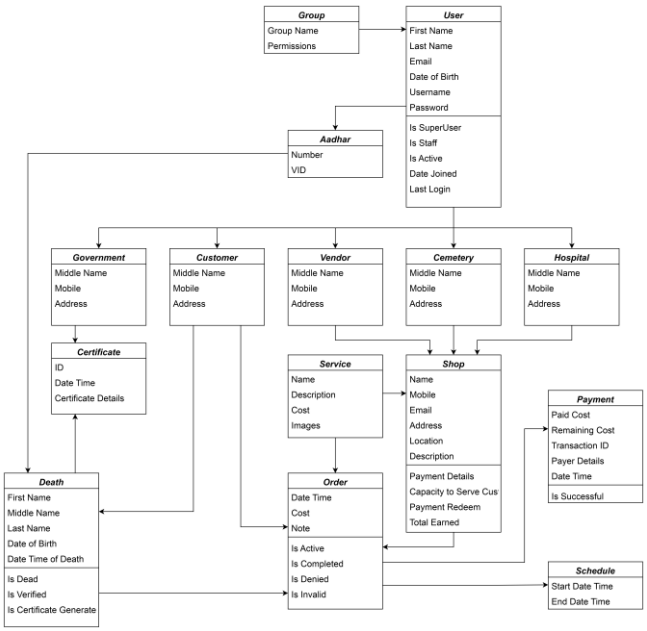

Fig 7.1: Class Diagram

8. DATA FLOW

It represents the entire system as a single bubble with transactional data indicated by incoming / outgoing arrows. As this is the basic level of Data Flow Diagram where data is processed and send to system.

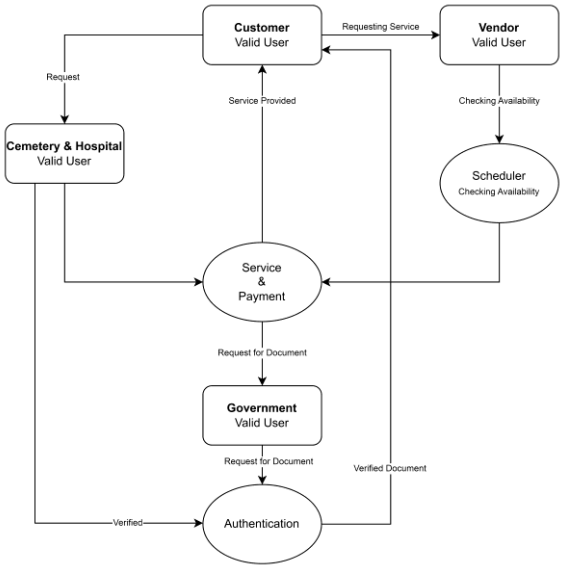

Fig 8.1: Data Flow Diagram

9. RESULT

INPUT:

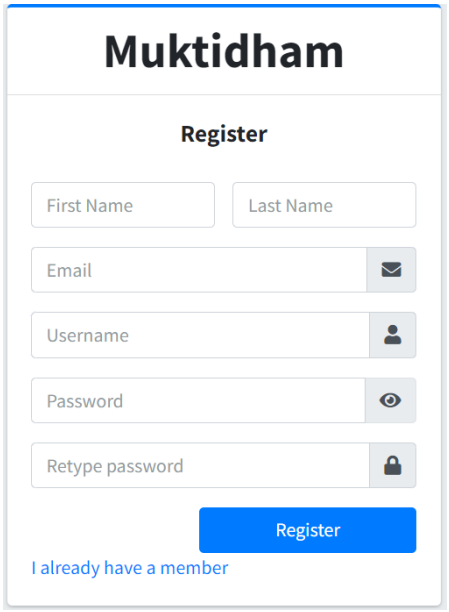

Fig 9.1: Registration

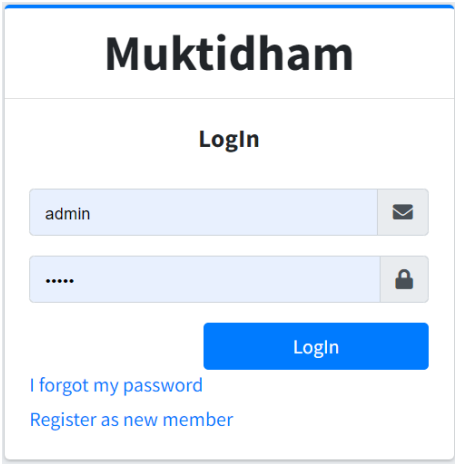

Fig 9.2: Login

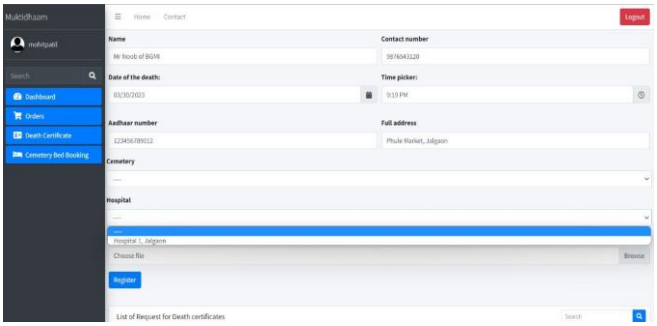

Fig 9.3: Death Registration

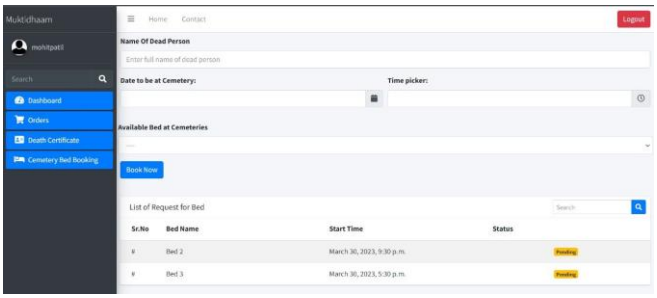

Fig 9.4: Bed Reservation

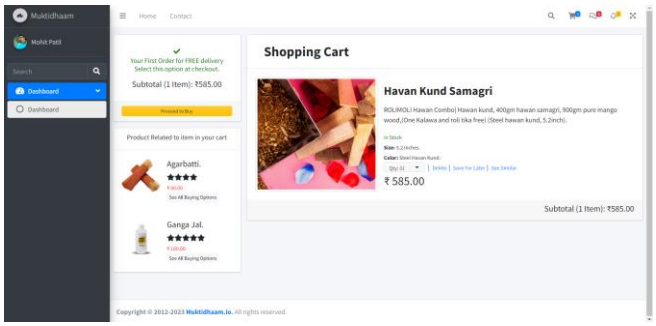

Fig 9.5: Service Reservation

OUTPUT:

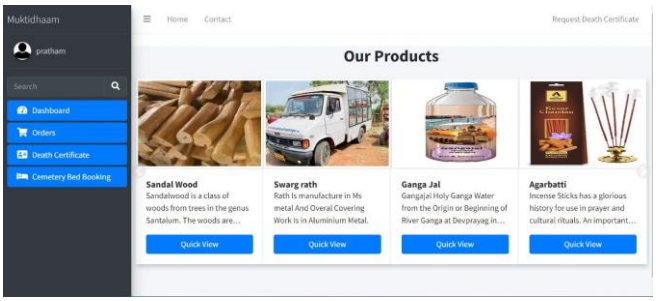

Fig 9.6: Customer Dashboard

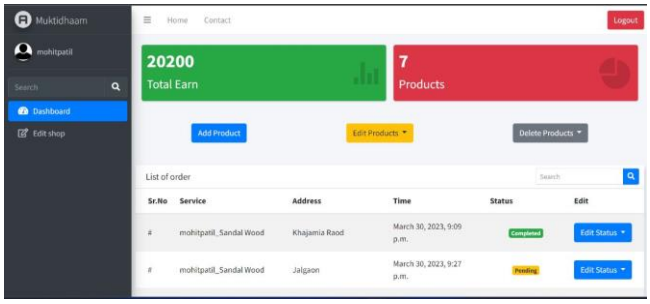

Fig 9.7: Vendor Dashboard

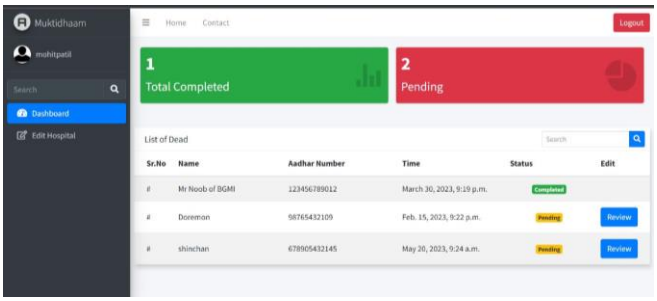

Fig 9.8: Hospital / Cemetery Dashboard

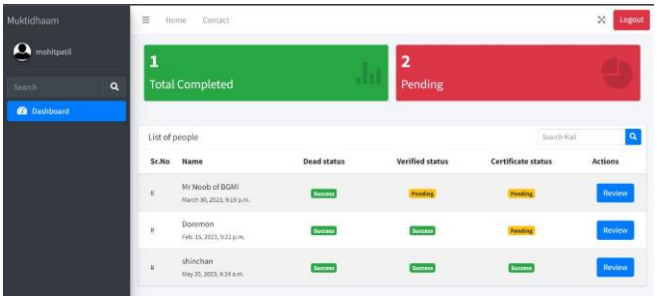

Fig 9.9: Government Dashboard

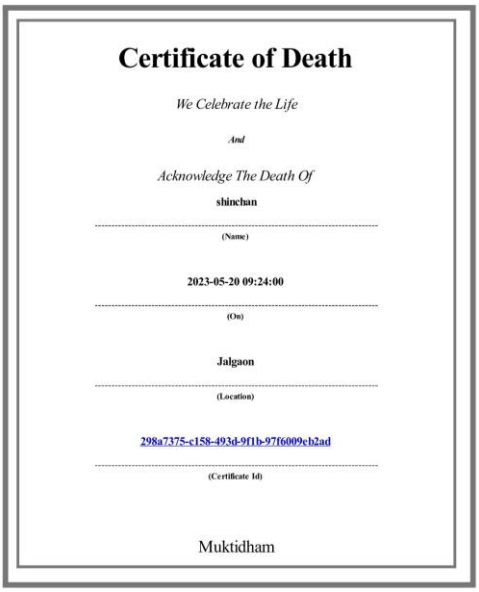

Fig 9.10: Evidence & Certificate

10. CONCLUSION

This project's aim is to saving time in funeral procedures and we conclude that our portal will fulfil requirements to achieve this aim. Also project going to automate government services which is one of the major feature in our project helps people to get document without any interference or corruption.

11. FUTURE WORK

Security is an imperative part of any industry. This work is most particularly for Database Security. With the data we are having we will try to make a big platform for Indian funeral practices performed in many religions. Advance servers can be used in future, as we know that the growth of a virtual world we will encourage people to shift virtually, which will save their time, energy and they can do a lot of things in a short amount of time.

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