Mini Project Proposal

HOSPITAL BYSTANDER MANAGEMENT WEB SYSTEM

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Approval of Mini Project

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Introduction

Now the day nuclear families are the most common family structure, only possess limited number of family members, such as father, mother and children. It's a very sound family structure when it comes as financial aspect, but in other hand if someone gets hospitalized, then the story become very worse. Because if someone has hospitalized in a nuclear family. Then the rest of the family members wanted to be take care of the hospitalized person and the rest member's responsibilities become increased. Once if there any surgical condition or some other worst medical condition then one bystander wanted to be with the hospitalized person, but this is not possible in every families.

Some families have only one male member, so that there will be a lack for bystander with the patient, as well as if there is only one female member then no male person can be stay as a bystander with the female member in female wards in Government hospitals. At this point there is a considerable gap will be evolve for a suitable bystander. The suitable stance for a polite, knowledgeable and accountable person. Currently the gap is filled by some local hired persons, but there is no proof that the bystanders are the ideal person for the services. Most of the time the hired persons are only concern about the money given by the family members. And they are not good enough in caretaking.

This web system mainly consider on providing polite accountable trustworthy person fore caretaking service.

Objectives

- ❖ To ensure the better caretaking service for hospitalized persons.
- ❖ To track the service quality of the care takers.
- ❖ To avoid the forge activities of local people.
- ❖ To employ well trained and service minded people for care taking sector.
- ❖ To give training for subscribed care takers,

Literature Survey

In the medical field, there are hand-full of medial channeling applications and online pharmacy systems. But those are designed to satisfy the requirements of economically higher class people. But this proposed system covers the entire set of people who need the human assistance.

This system is the timely need for the people who need the human assistance, since most of the family types in the urban cities are nuclear families. Even the family members are ready to care taking, but they don't know the proper way of care taking practices. But this system facilitates the care takers to get the sufficient knowledge about care taking through the toll-free systematic workshops.

According to the survey, there is no similar type of systems related with the same care taking aspect. So there will be a gap can be identified. By this system, the evolving gap for the care taking can be fulfilled with effective manner.

Hardware Requirement

- ❖ 8 GB RAM
- ❖ Intel Core i5 6100 @2GHz Processor
- ❖ 1 TB Hard Disk
- ❖ Mouse & Keyboard

Software Requirement

- ❖ HTML
- ❖ CSS
- ❖ Angular js
- ❖ PHP (Laravel Frame works)
- ❖ My SQL

Proposed System

Proposed system for this problem is a web application named as 'We care'. This application has the data base of the registered caregivers, their locations and availability. Once if some wanted to hire a care giver through the app, they wanted be to open this web page and find out the care giver nearby their location. Then they want to book them for their required days. To complete their registration they want to pay the fee for the service. The payment can be made through the online portal or by bank to the system. Once the system received the payment, it will inform the responsible caregiver about his duties regarding the request made.

After a successful service the care giver can receive 95% of the payment from the hirer. The rest 5% will be accounted as the brokerage fee of the system.

Functional Requirements

- ❖ Register form & Login system for the care taker
- ❖ Login & Resister form for Patient
- ❖ Admin Login
- ❖ Randomly search the Employee and fix for hire.
- ❖ Rating for the site for get to know our service quality.
- ❖ Online services for clarify the doubts
- ❖ Employee, Patient can edit, view, delete their profile.
- ❖ Available

Non Functional Requirements

1. **Usability**
   This is a web system which able the users to easily use. Even uneducated peoples can easily access and operate it because it is designed with best user interface.

   ❖ Efficiency of use
   I am using latest technologies to build this system so it will takes less times to users to achieve their goals. Enable users to complete tasks without any help.

   ❖ Low perceived workload
   Normal people can accomplish a particular task in first attempt or second attempt but they can accomplish the task in few attempts.

2. **Security**
   User can see our details. They will never make your details disclosure to anyone (Because unauthorized users can't access the system without email and password). Employees can modify the details.

3. **Reliability**
   The system will be developed in a manner to reduce the system failures. I will release the system which have less error, bugs in the code so that it can reduce the failure. The database update process will roll back all related updates when any update fails.

4. **Performance**
   Due to the latest technologies use to develop the web system it will take less than two seconds to load the page.

5. **Availability**
   The system or service will available for users 24*7. Users can view the employees details anytime.

6. **Scalability**
   First we will provide this service in a specific area in Sri Lanka after that.by viewing customer feedbacks we can provide service throughout the country. My web system attendance limit can be scalable enough to support 10,000 users at a time.

Modules

There are three main modules in the whole system, which are the module for admin, employee and Patient.

❖ The admin module is used to enable the administrator to manage the employee and patient. Admin can view the profiles of employees' details.
❖ The module for employee enables the employee to register the system and give the response to the patient request.
❖ The module for patient enables the patient to register the system and hire the employee. Patient can give the ratings to the employees.

Methodology

> Plan to use Waterfall Methodology.

1. Requirement gathering
2. System Analysis
3. Conceptual Design
4. Physical Design
5. Implementations
   - ❖ Coding
   - ❖ Testing
   - ❖ Installation
   - ❖ Documentation
   - ❖ Training
   - ❖ Support
6. Maintenance

Gantt chart

Modules	Weeks														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Requirement Collection & Analysis	█	█	█												
Design the Structure				█	█										
Develop UI						█	█	█	█	█	█				
Login Interface							█	█							
Backend									█	█	█				
Testing											█	█	█		
Handover the Project & Review														█	
Total Duration	█	█	█	█	█	█	█	█	█	█	█	█	█	█	

References

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❖ Bystander Intervention in Out of Hospital Cardiac Arrest-
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❖ Patient Guide-http://kristujayantihospital.com/patiet_guide.html

❖ Hospital Health Information Management System (HHIMS)-
http://www.eswabhimani.lk/media-gallery/2-uncategorised/251-hospital-health-information-
management-system-hhims

❖ Hospital Management System: Features, Modules, Functions, Advantages-
https://medium.com/existek/hospital-management-system-features-modules-functions-
advantages-1aa2a0857bf

❖ Ward management- https://pharmacolog.com/ward-management/

Cost Analysis

- Web System We Care System has some sort of costs.

➢ Development cost
    ❖ Electricity   500/=
    ❖ Customization of laptop   4500/=
➢ Hosting Cost   10000/=
➢ Wi-Fi   1000/=

➢ Total Cost for this project   16,000/=