**Name: Leo Sharma**

**ID:**

**Title: Hospital Ward**

**Task 1 - Identify the problem**

**Call Discussion with Client: Dilpreet**

**Information of the client:** Just had a word with Mr. Dilpreet. He is the director of the hospital. The management of the hospital needs a proper information of what all is going in all the wards of the hospital and for that Mr. Dilpreet needs a software, so that he has all the information of what all is going on in which ward of the hospital so that he has all the information beforehand.

**Primary objective of the project:** Beforehand information of each and every ward of the hospital is very difficult to maintain or even access. So to make the things easier for Mr. Dilpreet, a software is being made so that he can have access to what is going on in the various wards of the hospital. By having this access he can plan better or utilize his resources in a much convenient and fruitful way.

**Task 2 - Define and document requirements**

Requirement of The Software

Scope of Work

**Features:** Mr. Dilpreet is facing huge difficulty in managing the resources of different wards as he is still using registers for maintaining the records. The hospital has got various wards, and for its efficient maintenance some application is needed so that there is no mismanagement in any of the wards. The human resource can be provided in every ward according to the requirements and even by bifurcating the wards he can focus on each ward very specifically.

**Functional Requirements:** Software is for helping managing the different wards of the hospital. It should contain a detailed list of all the doctors in all the wards who are on duty or on call. When the doctor will be available who is on leave, all should be maintained properly. Also, the data of all the ward boys should be maintained on the daily basis along the data of the nurses. A patient's module should also be there giving the information of each and every patient in different wards, and what are the diagnosis of various patients.

**Non-functional requirements:** It is mandatory that the information of all the patients should be kept secret. As lose of some data of patients can be harmful. Proper Authorization & authentication should be who all be accessing this very software as it contains very important information. Also updating, inserting and deleting any information should only be by the authorised person and should be done by utmost care.

**Time:** It will take minimum 20 days to complete. Describing the phases under as below:

|  |  |
| --- | --- |
| Module 1(Planning) | 03 |
| Module 2(Requirement Gathering) | 05 |
| Module 3(Designing) | 02 |
| Module 4(Development) | 8 |
| Module 5(Testing and Implementation) | 4 |

**The 4 essential steps of the Risk Management Process are:**

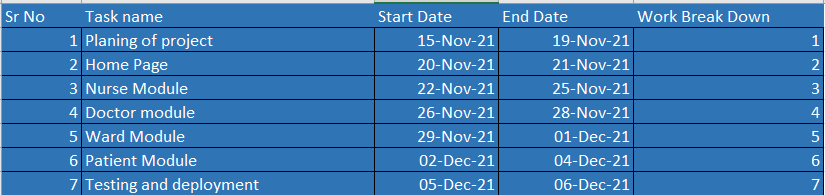
1. **Identify the risk:** It's simply that: an ongoing process of identifying, treating, and then managing risks. Taking the time to set up and implement a risk management process is like setting up a fire alarm
2. **Assess the risk:** Once your team identifies possible problems, it's time to dig a little deeper. How likely are these risks to occur? And if they do occur, what will the ramifications be
3. **Treat the risk:** Once the worst risks come to light, dispatch your treatment plan. While you can’t anticipate every risk, the previous steps of your risk management process should have you set up for success.
4. **Monitor and Report on the risk:** Clear communication among your team and stakeholders is essential when it comes to ongoing monitoring of potential threats.

Cost: We will charge for this project $580.

|  |  |
| --- | --- |
| Module 1(Planning) | $80 |
| Module 2(Requirement Gathering) | $100 |
| Module 3(Designing) | $150 |
| Module 4(Development) | $150 |
| Module 5(Testing and Implementation) | $100 |

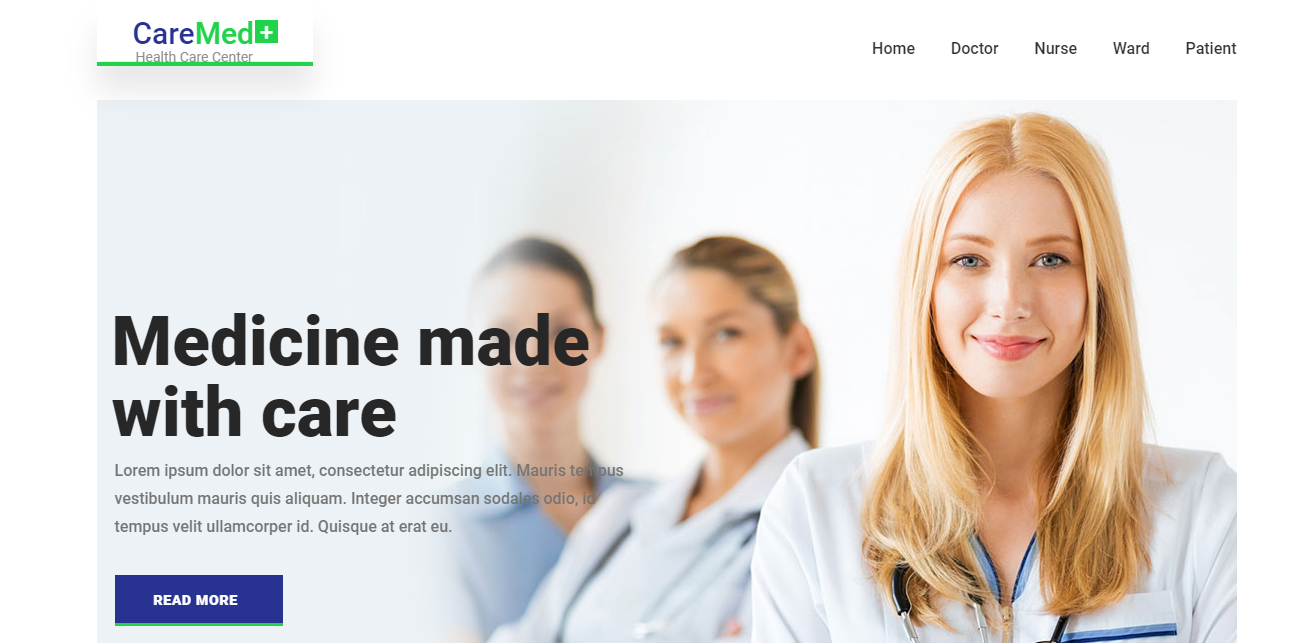
**Project Management:** Project management is the process of leading the work of a team to achieve all project goals within the given constraints. This information is usually described in project documentation, created at the beginning of the development process. The primary constraints are scope, time, and budget. The secondary challenge is to optimize the allocation of necessary inputs and apply them to meet pre-defined objectives.

**Gantt Chart:**



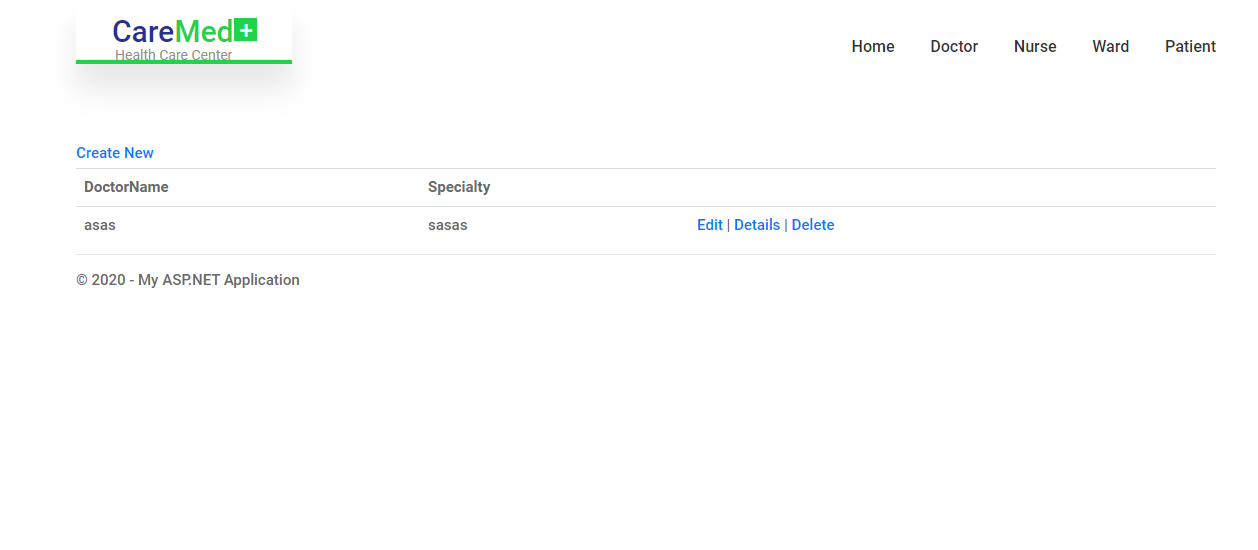
**Task 3 - Design mockups**

Home Page

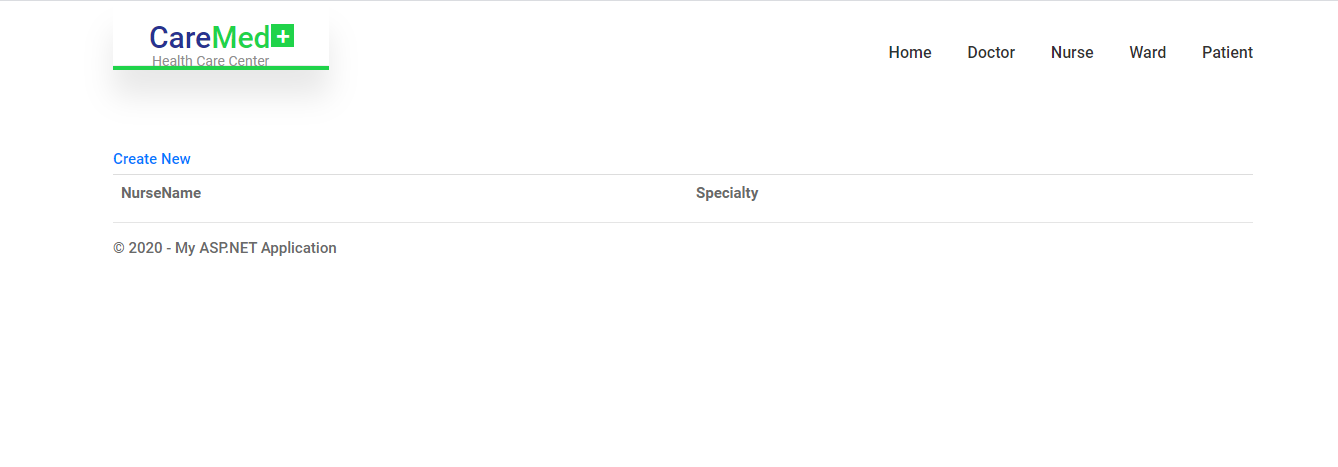


This is the welcome Screen where two option can be seen after login 1. New Project 2. New Story.

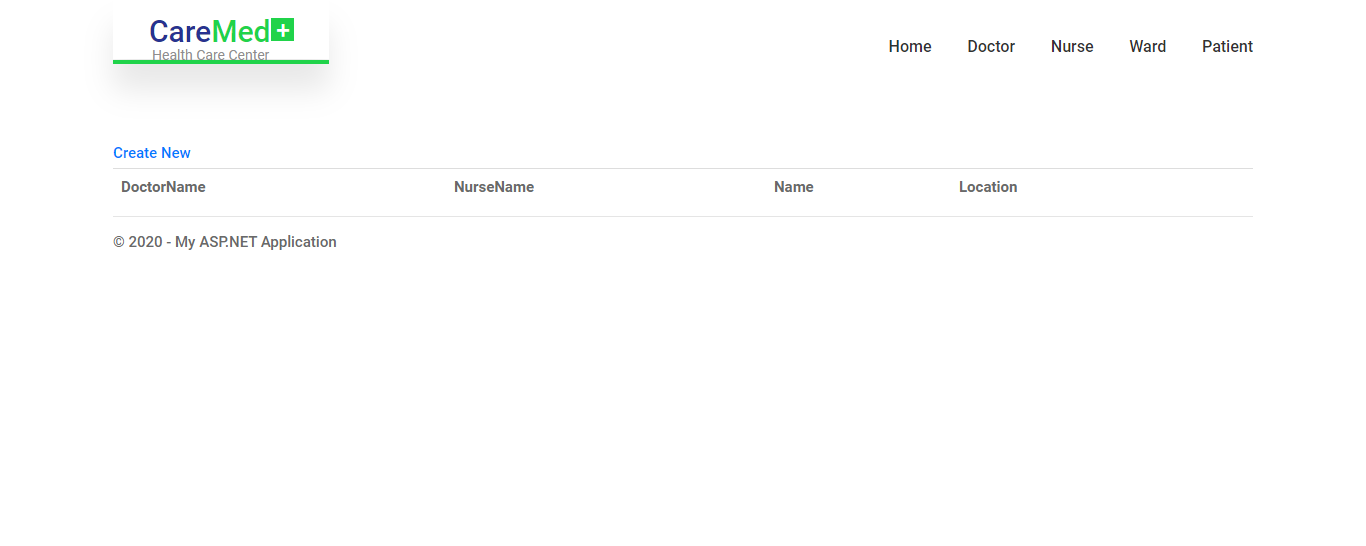
Doctor Page: Here you can view the list of doctors in the hospital and also do add, update and delete.



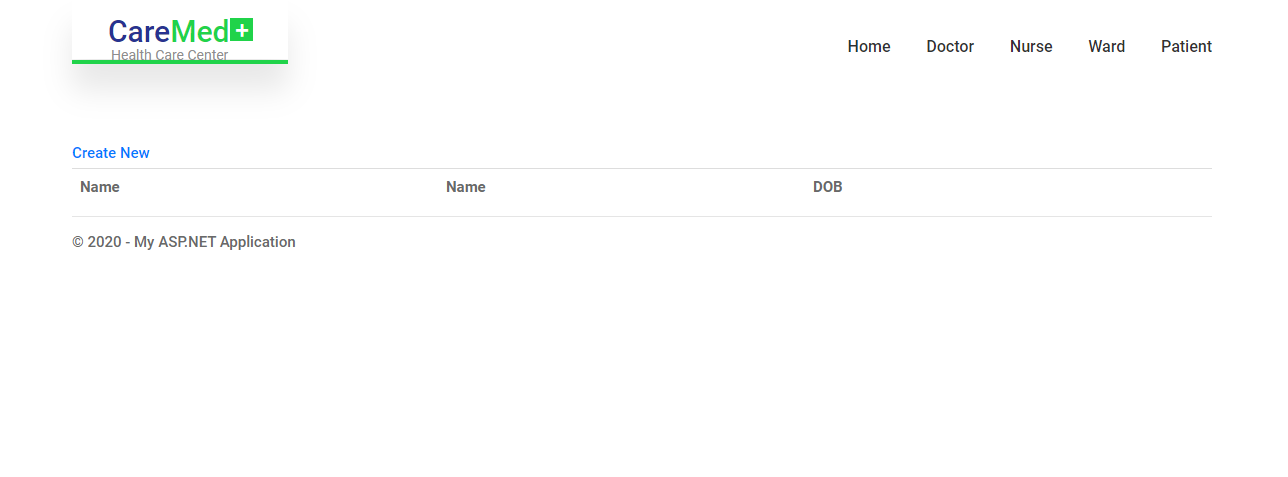
Nurses Page: Here we can save the records of nurses.



Ward Page: Here we can view the wards available in hospital and also add and update these.



Patient Page: Here we can save the records of patients.



## Task 5- usability testing

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User #** | **Login form** | **Patient module** | **Ward Module** | **Pass / Fail / Not executed / Suspended** | **Reviews** |
| Dilpreet | As Expected perfect | Patient module is used for store the patients. Working perfectly | completed as expected | Pass | All modules are fine |
| Daljit | should some changes and expand more | This module is working according the requirements. | might be more attractive | Pass | Login form should be more attractive |
| Kajal | This module is working nice. | There should be more fields of patients. | This module is pretty ok | Pass | In patient module need expanding. |

**Task 6 - Meet with your client**

Client Meeting:

|  |
| --- |
| Meeting Details |
| * Date and time: 27-Oct-2021 * Location: Newzealand |
| Attendees: Dilpreet and Leo |
| Agenda: Discussion of Software of Hospital ward system |
| Discussion (Important Points): He wants neat and clean software which will work effectively |
| My To Dos (Actions): Firstly I have to make the mockups of the application. Then Starting the application after the next meeting. |
| Questions requiring Follow- Up: Discussion of the mock ups |
| Comments: Dilpreet is good person and he described regarding requirements very wisely. |
| Next meeting  Date and Time: 1- Nov-2021 1:00 Pm  Location: Newzealand  Agenda: Showing the mock ups to the client and discussion about further development. |

**Appendix 3**

**Client Review Form**

My developer’s name: Leo Sharma

This form is intended to let you review the communication skills of your developer for this assignment. Your review will partly count towards their final mark. Do not take into account technical skills.

# Grading scale

You must grade your developer for each item listed in the tables below. 1 being the lowest, 5 the highest.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** |
| Strongly disagree | Disagree | Ok | Agree | Strongly agree |

# Review your developer

|  |  |  |
| --- | --- | --- |
| **Item** | **Grade** | **Comment** |
| Communicated clearly and effectively | 5 |  |
| Kept you informed of the progress | 4 |  |
| Met timelines | 3 |  |
| Responded promptly to problems | 2 |  |
| Met overall project objectives | 5 |  |
| Was open to new ideas and suggestions | 3 |  |
| Was easy to work with | 3 |  |

Comments

Provide any extra comments on your developer’s communication skills and professionalism.

Leo is good person and he has good knowledge of coding.

## Signed by Client

|  |  |
| --- | --- |
| **Signature: Dilpreet** | **Date: 15-nov-2021** |
| **Name:Dilpreet** | **Title:Hospital ward system** |
| **Contact details (email/Tel):** | |

**Task 7- Presentation**

[**video1995673781.mp4**](video1995673781.mp4)

**Task 8 - Software development life cycle stages**

**Planning :-** Planning for the quality assurance requirements and identification of the risks associated with the project is also done in the planning stage. The outcome of the technical feasibility study is to define the various technical approaches that can be followed to implement the project successfully with minimum risks.

**Requirement :-** Once the requirement analysis is done the next step is to clearly define and document the product requirements and get them approved from the customer or the market analysts. This is done through an SRS (Software Requirement Specification) document which consists of all the product requirements to be designed and developed during the project life cycle.

**Software Design and prototyping :-** SRS is the reference for product architects to come out with the best architecture for the product to be developed. Based on the requirements specified in SRS, usually more than one design approach for the product architecture is proposed and documented in a DDS - Design Document Specification.

Screenshots

**Software Development:** In this stage of SDLC the actual development starts and the product is built. The programming code is generated as per DDS during this stage. If the design is performed in a detailed and organized manner, code generation can be accomplished without much hassle.

**Testing:-** Testing starts once the coding is complete and the modules are released for testing. In this phase, the developed software is tested thoroughly and any defects found are assigned to developers to get them fixed.

**Task 9- Project management**

All projects are a temporary effort to create value through a unique product, service or result. All projects have a beginning and an end. They have a team, a budget, a schedule and a set of expectations the team needs to meet. Each project is unique and differs from routine operations—the ongoing activities of an organization—because projects reach a conclusion once the goal is achieved.

The changing nature of work due to technological advances, globalization and other factors means that, increasingly, work is organized around projects with teams being brought together based on the skills needed for specific tasks.

Leading these projects are Project Professionals—people who either intentionally or by circumstance are asked to ensure that a project team meets its goals. Project professionals use many different tools, techniques and approaches to meet the needs of a project.

Some projects are needed to quickly resolve problems, with an understanding that improvements will be made over a period of time. Other projects have a longer duration and/or produce a product or other outcome that will not need major improvements outside of projected maintenance, such as a highway.

Still others will be a mix of both of these types of projects. Project professionals use a variety of skills and knowledge to engage and motivate others to reach a project’s goals. Project professionals are critical to the success of projects and are highly sought after to help organizations achieve their goals.