

RAP

E-Health Portal

DATE	30/03/2022
SUBMITTED BY	RISHIKA GUPTA (RA2011032010063) RAVURI VENKATASIVANAGAABHIRAMKUMAR (RA2011032010057) PALISHA VOHRA (RA2011032010036)
TITLE / ROLE	E-Health Portal



THE PROJECT

- Due to big queues in the hospital, students are not able to get treatment in time(due to which they might miss their classes).
- By using the E-Health Website they can book their slot and go for their appointment.
- If the issue is minor they can mention their problem in our portal and doctors can give their prescription online.
- Students can get their test reports online. And also ambulances can be called using the website during their appointment.

THE HISTORY

- First Time patients have to physically stand in line to get an OP (Outpatient) book for any particular department and all details of the patient are manually taken in the system by the administration.
- This OP book is then shown to a nurse in the particular department where she writes your name and details in a book and asks you to wait.
- During checkup, the diagnosis and test requirements are filled in paper forms, Ex: X-RAY and MRI have separate paper forms that are handwritten.
- In case a test is required, the patient has to go all the way back to the administration to pay for the test and then go all the way to the test site where they have to show the payment bill and the handwritten form, where again their name and details are written in a book.
- Upon collection of test results, their details are written in a book for follow up checkup.

LIMITATIONS

- Good technical and coding skills are required to complete the project.
- Everyone might not have access to proper internet

APPROACH

- Information about the doctors and ambulance drivers should be known
- Students should register through the portal.
- Front end is done through HTML, CSS, JAVASCRIPT.
- Backend will be done using MongoDB for the database.

BENEFITS

- By this project students can get medication online and also book their slot for their appointment.
- Outpatient books can be issued in the portal itself.
- Students can also get their reports online and therefore paperwork will be reduced.



DEPT. Of NWC

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	2
Title of Experiment	<i>Identification of Project Methodology and Stakeholder Description template</i>
Name of the candidate	RISHIKA GUPTA (RA2011032010063)
Team Members	PALISHA VOHRA (RA2011032010036) RISHIKA GUPTA (RA2011032010063) RAVURI VENKATASIVANAGAABHIRAMKUMAR (RA2011...)
Register Number	RA2011032010063
Date of Experiment	21/03/2022

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To identify the appropriate Process Model for the project and prepare Stakeholder and User Description.

Team Members:

Sl No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep/Member
2	RA2011032010057	Ravuri Sai Venkata Siva Naga Abhiram Kumar	Member
3	RA2011032010036	Palisha Vohra	Member

Project Title: E-Health Portal

Selection of Methodology

According to our project requirements, we have chosen to go forward with the “Agile methodology” .

Agile Methodology means a practice that promotes continuous iteration of development and testing throughout the software development life cycle of the project. In the Agile model in software testing, both development and testing activities are concurrent, unlike the Waterfall model. The Agile software development methodology is one of the simplest and effective processes to turn a vision for a business need into software solutions. Agile is a term used to describe software development approaches that employ continual planning, learning, improvement, team collaboration, evolutionary development, and early delivery. It encourages flexible responses to change.

Incorporate ***Identification of Project Methodology and Stakeholder Description template***

Stakeholder Name	Activity/ Area /Phase	Interest	Influence	Priority (High/ Medium/ Low)
Owner	Managing workflow, resources and database.	High	High	1
Sponsor	Provides new market to expand ventures, negotiate funding for project, reviews changes to project environments.	Moderate	Moderate	2
Team Members	Upgrades product/service, utilize resources to give necessary output	High	High	1
Project Manager	Come up with new features and work on its implementation	High	High	2
Investors	Financial resources	Low	Low	5
Resource Manager	Resource planning and allocation, ensuring adequate resource according to project needs and budget	Moderate	Moderate	3
Suppliers	Ensuring feasibility in project	Moderate	Moderate	4
End Users	Using web app and provides feedback	High	Moderate	2

Result

Thus the Project Methodology was identified stakeholders were described.



Department Of Networking and Communications

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	3
Title of Experiment	System, Functional and Non-Functional Requirements of the Project
Name of the candidate	RISHIKA GUPTA (RA2011032010063)
Team Members	RAVURI VENKATASIVANAGAABHIRAMKUMAR (RA...) PALISHA VOHRA (RA2011032010036)
Register Number	RA2011032010063
Date of Experiment	30/03/2022

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To identify the system, functional and non-functional requirements for the project.

Team Members:

Sl No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep/Member
2	RA2011032010057	Ravuri Sai Venkata Siva Naga Abhiram Kumar	Member
3	RA2011032010036	Palisha Vohra	Member

Project Title: E-Health Portal

System Requirements

Computer/Laptop/Mobile Phone with Web Browser and internet connection.

Functional Requirements

User Id(SRM)

Database

Details of doctors and patients

Non-Functional Requirements

Available round the clock

Secured Database

Maintains less downtime

Result

Thus the requirements were identified and accordingly described.



Department of Networking and Communications

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	4
Title of Experiment	Prepare Project Plan based on scope, Calculate Project effort based on resources and Job roles and responsibilities
Name of the candidate	Rishika Gupta
Team Members	Palisha Vohra Abhiram Kumar
Register Number	RA2011032010063
Date of Experiment	19/04/2022

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To Prepare Project Plan based on scope, Calculate Project effort based on resources, Find Job roles and responsibilities

Team Members:

SI No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Lead
2	RA2011032010036	Palisha Vohra	Member
3	RA2011032010057	Abhiram Kumar	Member

1. Project Management Plan

Describe the key issues driving the project. [Min 3 Focus Areas]

Focus Area	Details
Integration Management	Governance Framework Project Team Structure Roles & Responsibilities of Team Change Management (Change Control, Issue Management) Project Closure
Scope Management	Scope Statement Requirement Management (Gathering, Control, Assumption, Constraint Stakeholder) Define Deliverable Requirement Change Control Activities and Sub-Tasks
Schedule Management	Define Milestones Schedule Control
Cost Management	Estimate Effort Assign Team Budget Control
Quality Management	Quality Assurance: Quality assurance will be managed including governance, roles and responsibilities, tools and techniques and reporting Quality Control: Specify the mechanisms to be used to measure and control the quality of the work products

Resource Management	Estimate and Manage the need People: People & Skills Required Finance: Budget Required Physical: Facilities, IT Infrastructure
Communication Management	Determine communication requirements, roles and responsibilities, tools and techniques. [Type of Communication, Schedule, Mechanism Recipient]
Risk Management	Identifying, analysing, and prioritizing project risks
Procurement Management	Adhering to organization procurement process

2. Estimation

2.1. Effort and Cost Estimation

Activity Description	Sub-Task	Sub-Task Description	Effort (in hours)	Cost in INR
Design the user and admin screen	E1R1A1T1 (Effort-Requirement-Activity-Task)	Confirm the user requirements (acceptance criteria)	3	600
	E1R1A1T2	Design Login screen which would include sign up also.	0.5	100
	E1R1A1T3	Design doctor appointment page	2	400
	E1R1A1T4	Design document uploading screen	0.5	100
	E1R1A1T5	Design real time database	5	1000
	E1R1A1T6	Design a payment gateway page	1	200
Total				2400 .00

Effort (hr)	Cost (INR)
1	200

2.2. Infrastructure/Resource Cost [CapEx]

< OneTime Infra requirements >

Infrastructure Requirement	Qty	Cost per qty
PCs	2-3	50,0000
Tablets	One for each doctor	20,000

2.3 Maintenance and Support Cost [OpEx]

Category	Details	Qty	Cost per qty per annum	Cost per item
People	Network, System, Middleware and DB admin Developer , Support Consultant	3	2,000,000	6,000,000
License	Operating System Database Middleware IDE	10	10000	100,000
Infrastructures	Server, Storage and Network	20	20000	400,000

3. Project Team Formation

3.1. Identification Team members

Name	Role	Responsibilities
Rishika Gupta	Key Business User (Product Owner)	Provide clear business and user requirements
Rishika Gupta	Project Manager	Manage the project
Palisha Vohra	Business Analyst	Discuss and Document Requirements
Abhiram Kumar	Technical Lead	Design the end-to-end architecture
Palisha Vohra	UX Designer	Design the user experience
Rishika Gupta	Frontend Developer	Develop user interface
Abhiram Kumar	Backend Developer	Design, Develop and Unit Test Services/API/DB
Abhiram Kumar	Cloud Architect	Design the cost effective, highly available and scalable architecture
Palisha Vohra	Cloud Operations	Provision required Services
Rishika Gupta	Tester	Define Test Cases and Perform Testing

3.2. Responsibility Assignment Matrix

RACI Matrix		Team Members			
Activity		Name (BA)	Name (Developer)	Name (Project Manager)	Key Business User
User Requirement Documentation	A	C/I		I	R
UI/UX Designing	I	A		A	A
Frontend Development	I	R		C/I	A
Backend Development	I	R		C/I	A
Testing	I	A		C/I	A
Business Analysis	R	I		I	A

A	Accountable
R	Responsible
C	Consult
I	Inform

Result:

Thus, the Project Plan was documented successfully.

Reference

1. <https://www.pmi.org/>
2. <https://www.projectmanagement.com/>
3. <https://www.tpsgc-pwgsc.gc.ca/biens-property/snpg-npms/ti-it/ervcpgrm-dsfvpmp-ml>



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School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	5
Title of Experiment	Prepare Work breakdown structure, Timeline chart, Risk identification table
Name of the candidate	RISHIKA GUPTA (RA2011032010063)
Team Members	RAVURI VENKATASIVANAGABHIRAMKUMAR (RA... PALISHA VOHRA (RA2011032010036)
Register Number	RA2011032010063
Date of Experiment	19/04/2022

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

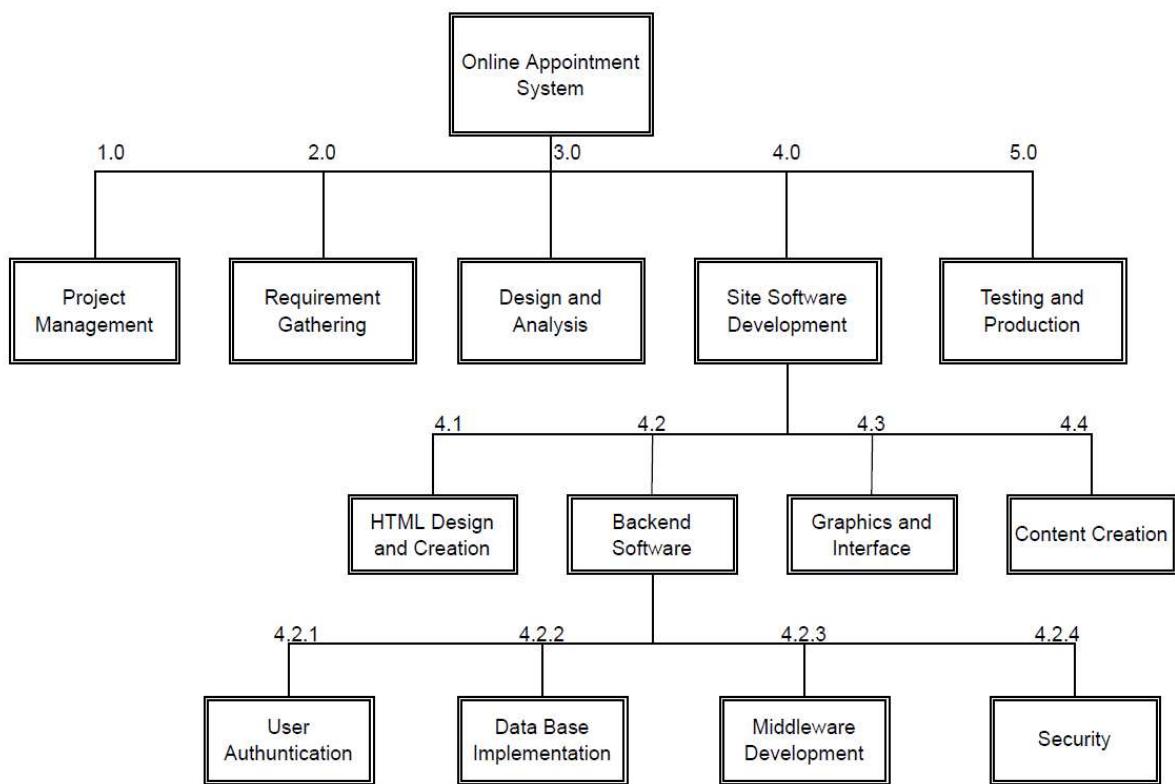
Aim

To Prepare Work breakdown structure, Timeline chart and Risk identification table

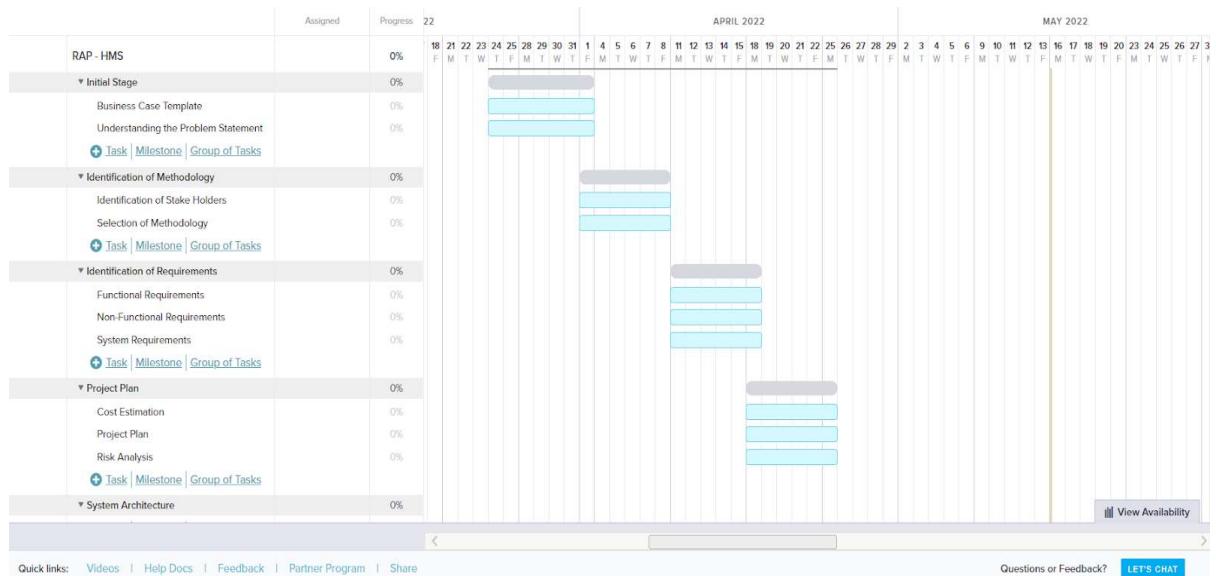
Team Members:

Sl No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep
2	RA2011032010036	Palisha Vohra	Member
3	RA2011032010057	Abhiram Kumar	Member

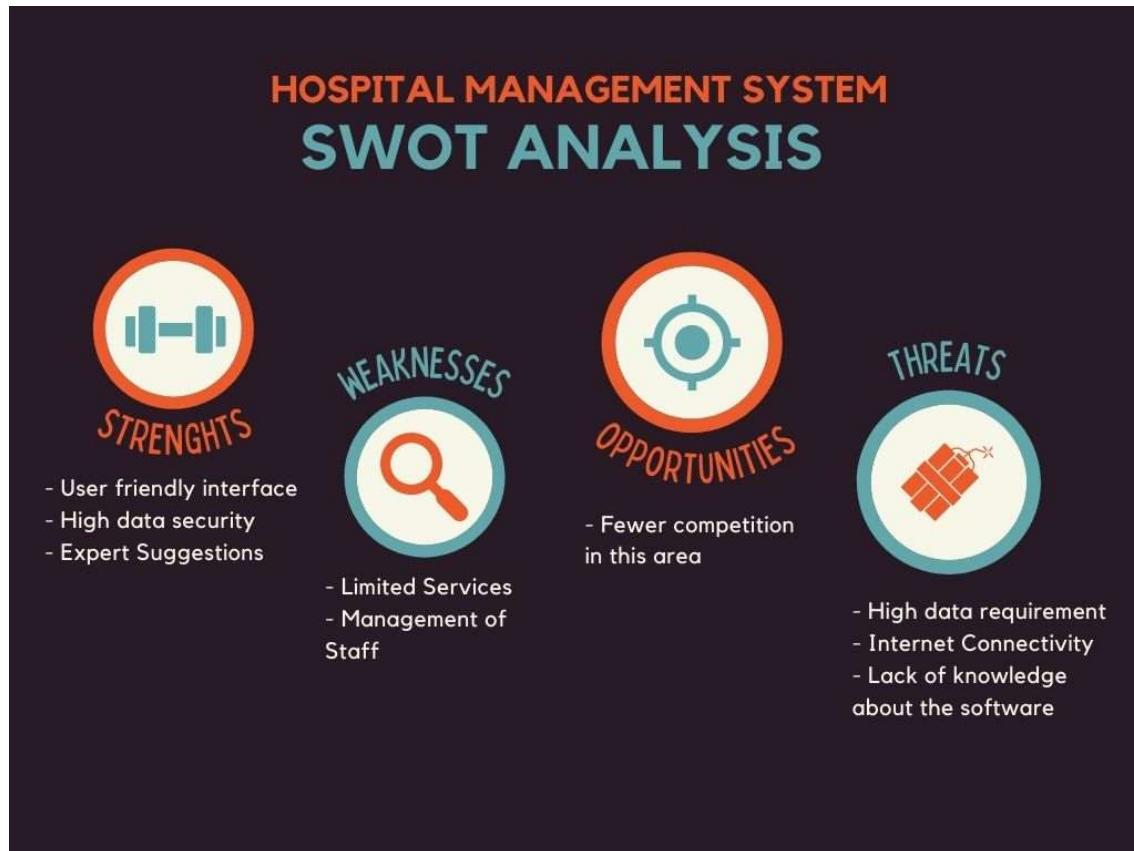
WBS :



Gantt Chart:



SWOT Analysis:



Risk Identification Table:

Response	Strategy	Examples
Avoid	Risk avoidance is a strategy where the project team takes action to remove the threat of the risk from the project	<ul style="list-style-type: none"> • Continuous improvement • Time-to-time data back-up
Transfer	Risk transference involves shifting of risk threat and impact to a third party by transferring the ownership and responsibility	<ul style="list-style-type: none"> • Purchase insurance • Performance bond • Warranties • Contact issues
Mitigate	Risk mitigation is a strategy, where the project team takes action to reduce the probability of the risk occurring	<ul style="list-style-type: none"> • Testing site before hosting • Database testing
Accept	Risk acceptance means the team acknowledges the risk and its potential impact but decides not to take <u>preemptive</u> action, and choose to deal with it when it occurs.	<ul style="list-style-type: none"> • Loss of data

Result:

Thus, the work breakdown structure with timeline chart and risk table were formulated successfully.



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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	6
Title of Experiment	Design a System Architecture, Use Case and Class Diagram
Name of the candidate	RISHIKA GUPTA (RA2011032010063)
Team Members	PALISHA VOHRA (RA2011032010036) RAVURI VENKATASIVANAGAABHIRAMKUMAR (RA...)
Register Number	RA2011032010063
Date of Experiment	3/05/2022

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

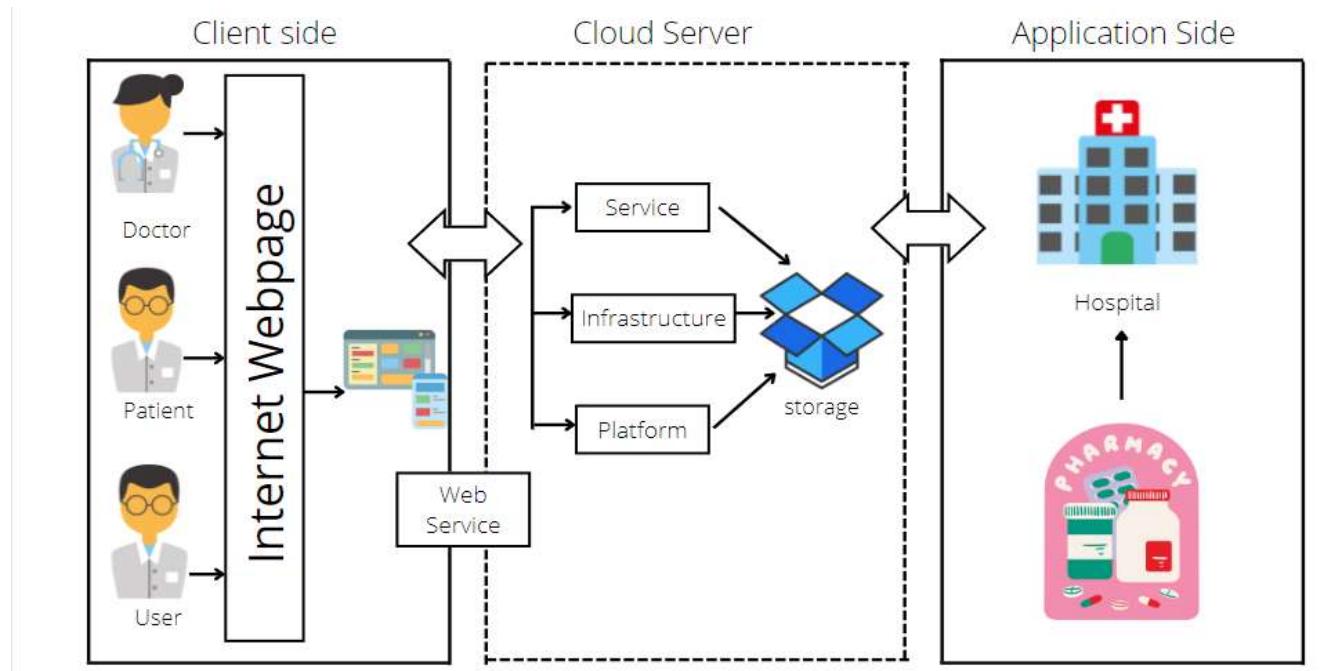
To Design a System Architecture, Use case and Class Diagram

Team Members:

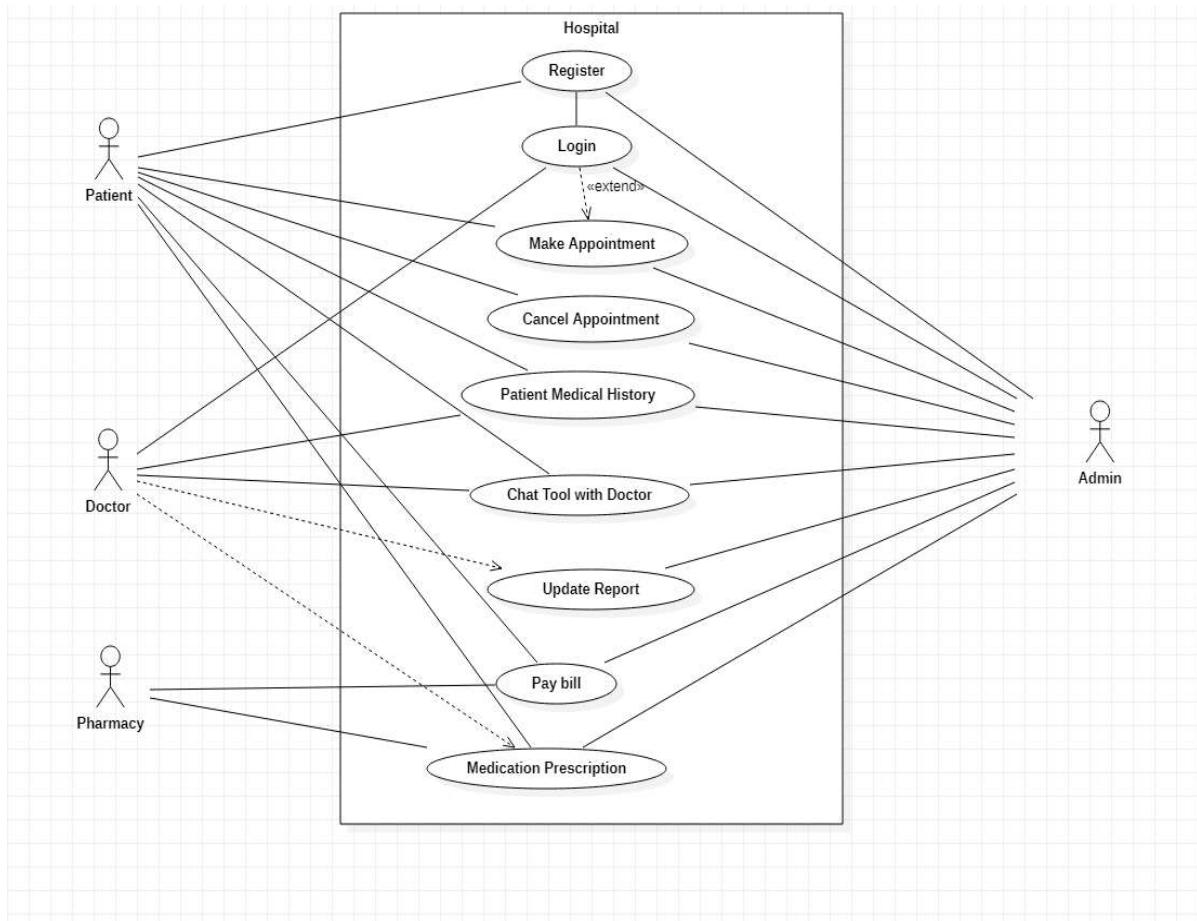
Sl No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep
2	RA2011032010036	Palisha Vohra	Member
3	RA2011032010057	Abhiram Kumar	Member

Requirements

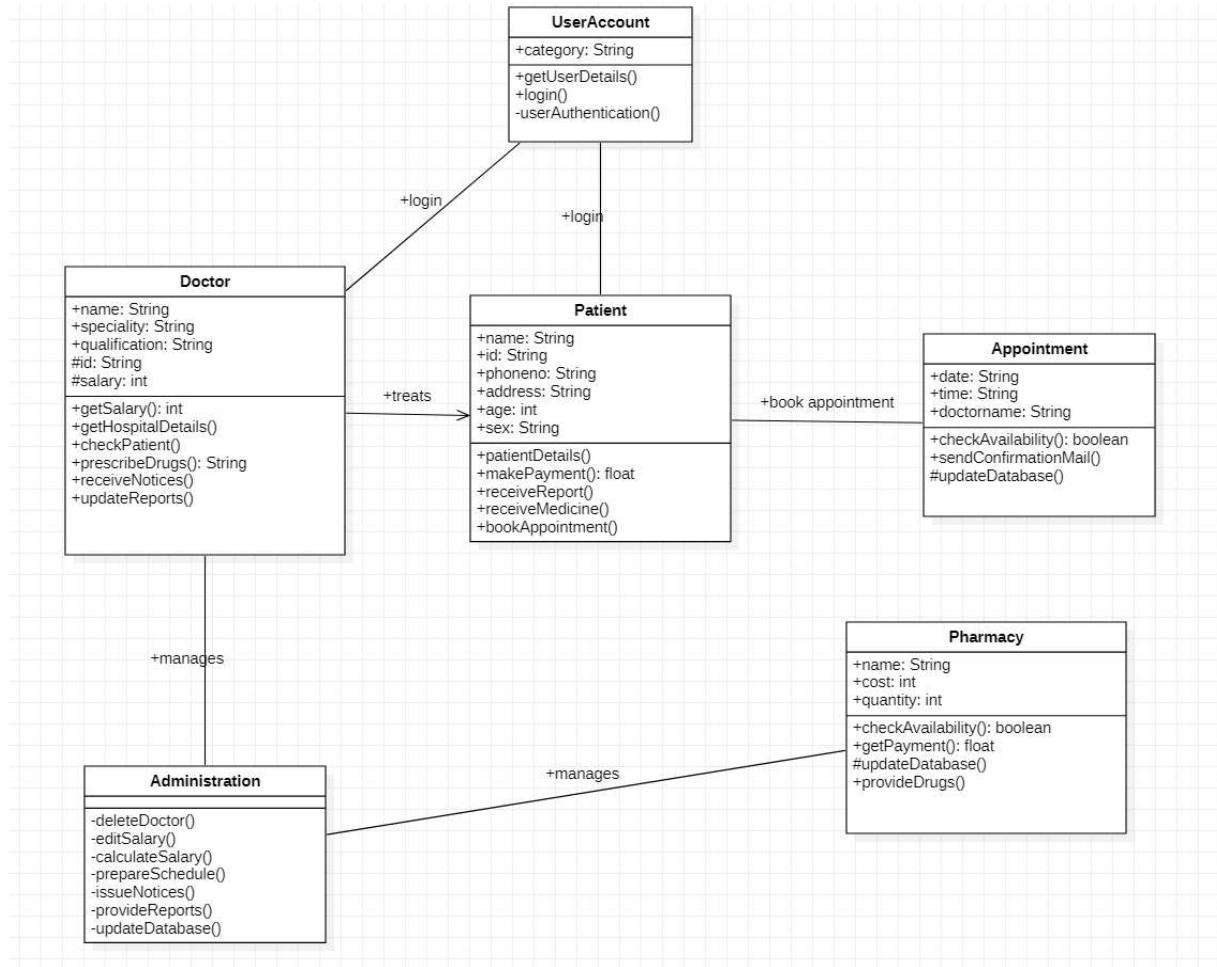
System Architecture



Use Case Diagram



CLASS DIAGRAM



Result:

Thus, the system architecture, use case and class diagram created successfully.



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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	7
Title of Experiment	Design a Entity relationship diagram
Name of the candidate	RISHIKA GUPTA (RA2011032010063)
Team Members	RAVURI VENKATASIVANAGAABHIRAMKUMAR (RA...) PALISHA VOHRA (RA2011032010036)
Register Number	RA2011032010063
Date of Experiment	09-05-2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

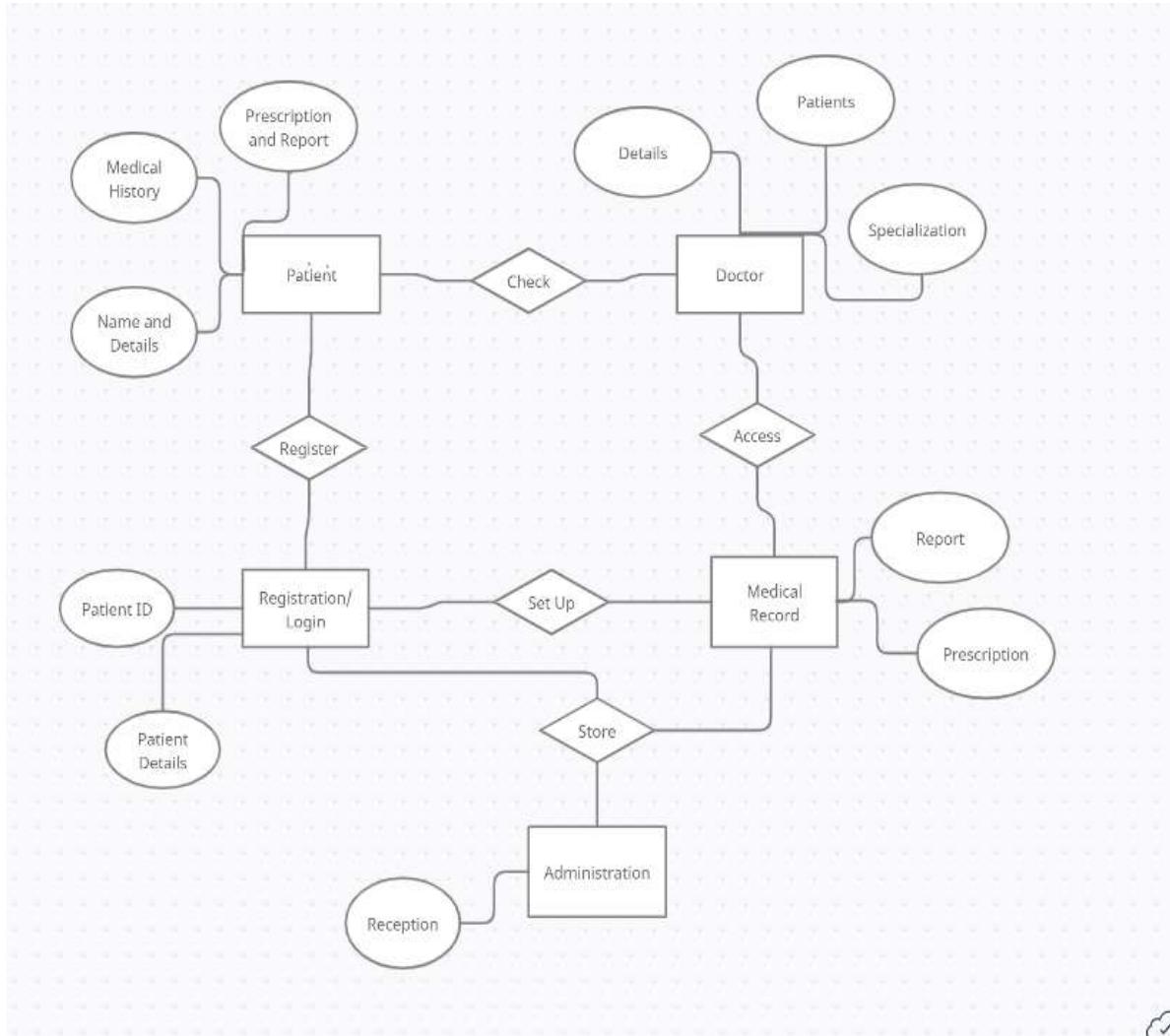
Staff Signature with date

Aim

To create the Entity Relationship Diagram

Team Members:

S No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep
2	RA2011032010057	Abhiram Kumar	Member
3	RA2011032010036	Palisha Vohra	Member



Result:

Thus, the entity relationship diagram was created successfully.

*/ ER Diagram, Notation and Example

What is ER Diagram?

- ER Diagram stands for Entity Relationship Diagram, also known as ERD is a diagram that displays the relationship of entity sets stored in a database. In other words, ER diagrams help to explain the logical structure of databases. ER diagrams are created based on three basic concepts: entities, attributes and relationships.
- ER Diagrams contain different symbols that use rectangles to represent entities, ovals to define attributes and diamond shapes to represent relationships.
- At first look, an ER diagram looks very similar to the flowchart. However, ER Diagram includes many specialized symbols, and its meanings make this model unique. The purpose of ER Diagram is to represent the entity framework infrastructure.

What is ER Model?



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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	8
Title of Experiment	Develop a Data Flow Diagram (Process-Up to Level 1)
Name of the candidate	RISHIKA GUPTA (RA2011032010063)
Team Members	RAVURI VENKATASIVANAGAABHIRAMKUMAR (RA...) PALISHA VOHRA (RA2011032010036)
Register Number	RA2011032010063
Date of Experiment	9/05/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

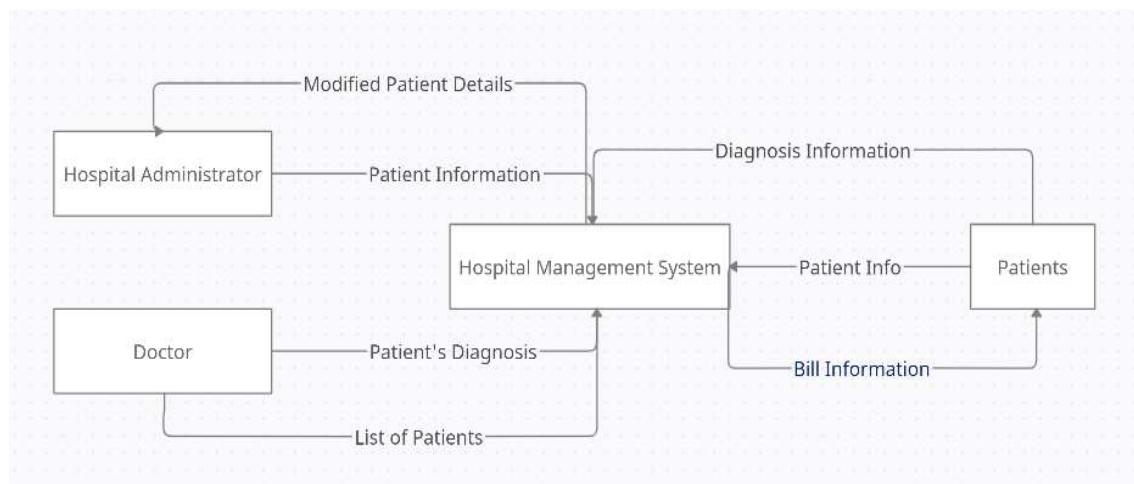
Aim

To develop the data flow diagram up to level 1 for the <project name>

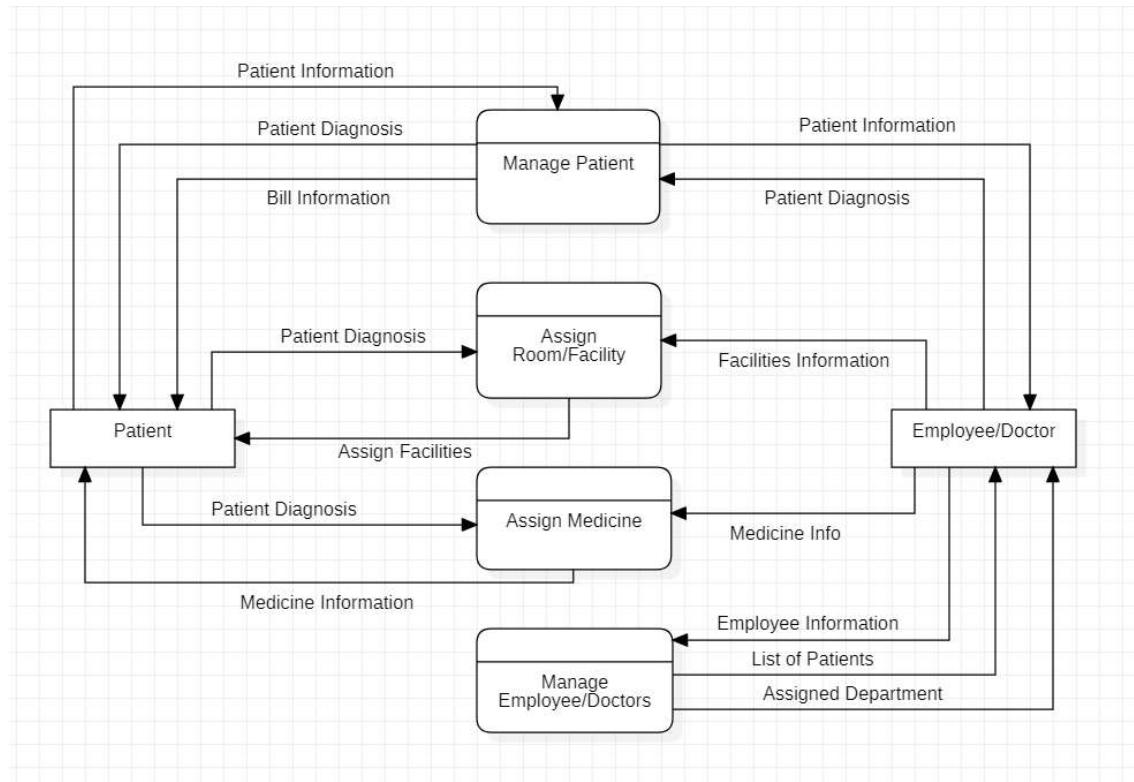
Team Members:

S No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep
2	RA2011032010057	Abhiram Kumar	Member
3	RA2011032010036	Palisha Vohra	Member

0 LEVEL DATA FLOW DIAGRAM



1st LEVEL DATA FLOW DIAGRAM



Result:

Thus, the data flow diagrams have been created for the Hospital Management.

Data Flow Diagram

The DFD takes an input-process-output view of a system. That is, data objects flow into the software, are transformed by processing elements, and resultant data objects flow out of the software. Data objects are represented by labeled arrows, and transformations are represented by circles (also called bubbles). The DFD is presented in a hierarchical fashion. That is, the first data flow model (sometimes called a level 0 DFD or context diagram) represents the system as a whole. Subsequent data flow diagrams refine the context diagram, providing increasing detail with each subsequent level.

The data flow diagram enables you to develop models of the information domain and functional domain. As the DFD is refined into greater levels of detail, you perform an implicit functional decomposition of the system. At the same time, the DFD refinement results in a corresponding refinement of data as it moves through the processes that embody the application.



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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	9
Title of Experiment	Design a Sequence and Collaboration Diagram
Name of the candidate	RISHIKA GUPTA (RA2011032010063)
Team Members	Abhiram Kumar PALISHA VOHRA (RA2011032010036)
Register Number	RA2011032010063
Date of Experiment	12/05/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

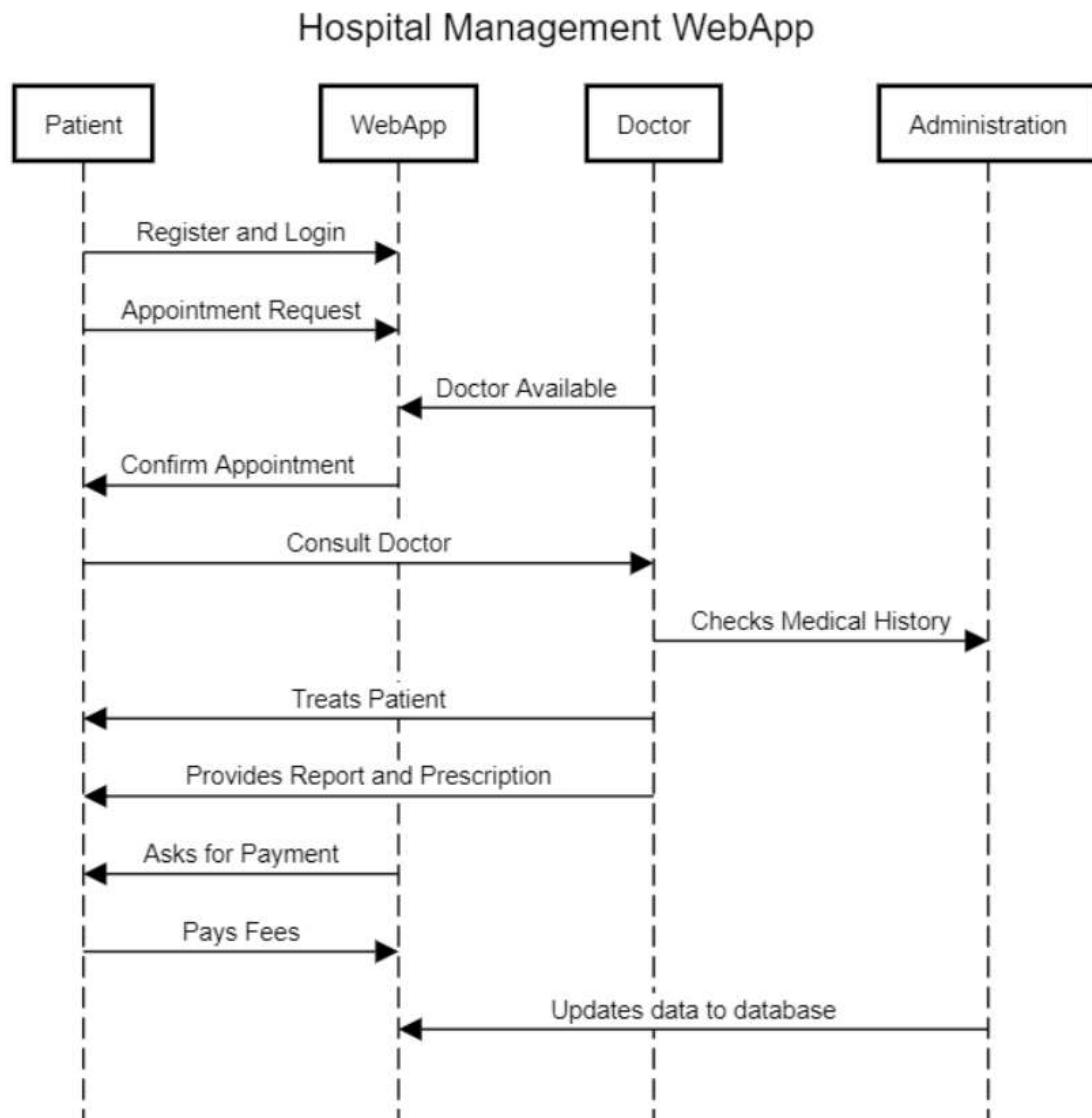
Aim

To create the sequence and collaboration diagram for the Hospital Management

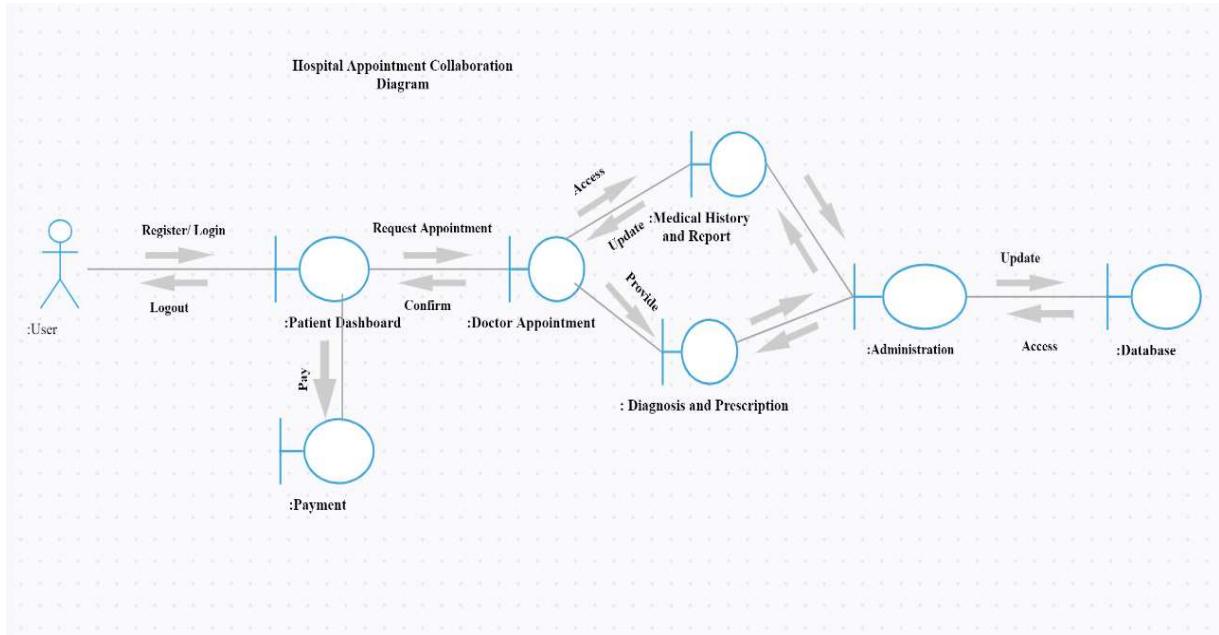
Team Members:

S No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep/Member
2	RA2011032010036	Palisha Vohra	Member
3	RA2011032010057	Abhiram Kumar	Member

Sequence Diagram:



Collaboration Diagram:



Result:

Thus, the sequence and collaboration diagrams were created for the Hospital Management.



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School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	10
Title of Experiment	Develop a Testing Framework/User Interface
Name of the candidate	Rishika Gupta
Team Members	Abhiram Kumar Palisha Vohra
Register Number	RA2011032010063
Date of Experiment	23/05/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To develop the testing framework and/or user interface framework for the Hospital Management Project

Team Members:

S No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep/Member
2	RA2011032010036	Palisha Vohra	Member
3	RA2011032010057	Abhiram Kumar	Member

Executive Summary

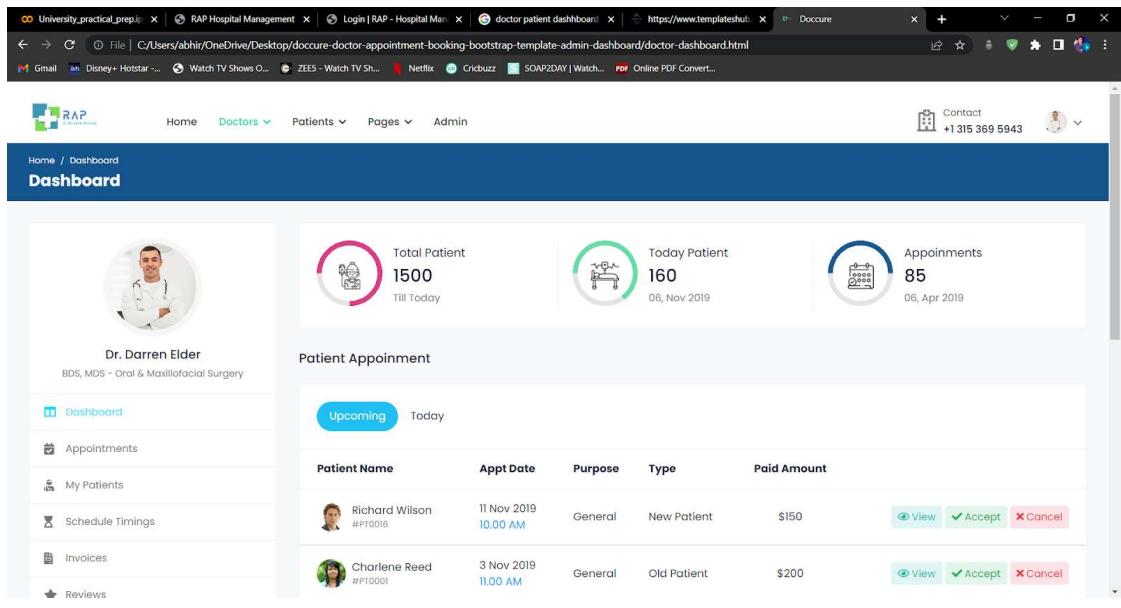
Hospital Management System provides the benefits of streamlined operations, enhanced administration & control, superior patient care, strict cost control and improved profitability. HMS is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to hospitals. More importantly it is backed by reliable and dependable support. The project 'Hospital Management System' is based on the database, object oriented and networking techniques. As there are many areas where we keep the records in the database for which we are using MY SQL software which is one of the best and the easiest software to keep our information. This project uses HTML CSS as the front-end software and has connectivity with MY SQL. Hospital Management System is custom built to meet the specific requirement of the mid and large size hospitals across the globe.

Test Plan

Scope of Testing

- Verify whether doctor is able view the past records of the patient
- Verify if the patient is able to login to the portal
- Verify whether the patient is able to book an appointment
- Verify if the patient is able to pay the medical bill
- Verify whether the test results updated are shown to the patient

UI



Types of Testing, Methodology, Tools

Category	Methodology	Tools Required
Functional Requirements	Manual	Internet connection, Working system and testing software

Approach:-

The following points will give a better understanding and help us realize the necessities of our project with the help of testing these requirements.

Functional Requirements:-

- 1.Verify that users can see all their past medical records.
- 2.Verifying the chat section.
- 3.Verifying that admins can monitor our application.

Non-functional requirements:-

- 1.Well-designed user interface and experience from the end user's perspective.

Result:

Thus, the testing framework/user interface framework has been created for the Hospital Management Project.



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School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	11
Title of Experiment	Test Cases
Name of the candidate	Rishika Gupta
Team Members	Abhiram Kumar Palisha Vohra
Register Number	RA2011032010063
Date of Experiment	30/05/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To develop the test cases manual for the Hospital Management Project

Team Members:

S No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep
2	RA2011032010036	Palisha Vohra	Member
3	RA2011032010057	Abhiram Kumar	Member

Test Case

Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status
ft1	User Registration	Register through valid mail id and phone number	<ol style="list-style-type: none">1. User clicks on User Registration link2. Enter the mail id and mobile Number on the text box3. Click Register button	User should be taken to the next page for entering more user details	User is taken to the next page for entering more user details	Pass
ft2	Login to Dashboard	Enter given mail id and password and login	<ol style="list-style-type: none">1. User clicks on Login button2. Enter mail id and password3. Click Login button	User should be taken to dashboard of the user	User is taken to dashboard of the user	Pass

ft3	View Doctor Information	Verify that for each doctor's details like their timings, specialty, fee, patient visited etc is added.	1. Each doctor's details are added to the database.	Doctor's information and details should be added to database	Doctor's information and details is added to database	In Progress
ft4	Update report and prescription	Verify that the doctors have the record of all the medical history of the patients. medicines and the same gets updated when used or added to the system.	1. Open Patient database. 2. Add checkup details 3. Add prescription and reports	Patient's reports and prescription should be added	Patient's reports and prescription is added	In Progress
ft5	Book Appointment	Verify that users can book appointments.	1. User clicks on book appointment 2. User choose the doctor specialist they want to book 3. User get update on availability and dates 4. User books a particular time slot	Users will be able to book appointments through the portal.	Users are able to book appointments through the portal.	In Progress
ft6	Pay bills	Verify that users can pay their hospital and medicine bills online.	1.	Users will be able to pay the hospital and medicine bills.	Users can pay the hospital and medicine bills.	In Progress

Non-Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Status
nft1	Load time	WebApplication load time should not be more than 5 secs up to 1000 users accessing it simultaneously	In Progress
nft2	Responsiveness	WebApp should be responsive	Pass
nft3	Alt tags	All web images should have alt tags	Pass

Result:

Thus, the test case manual has been created for the Hospital Management Project.



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School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	12
Title of Experiment	Manual Test Case Reporting
Name of the candidate	Rishika Gupta
Team Members	Abhiram Kumar Palisha Vohra
Register Number	RA2011032010063
Date of Experiment	

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	10	

Staff Signature with date

Aim

To prepare the manual test case report for the E-Health Portal.

Team Members:

S No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep/Member
2	RA2011032010057	Abhiram Kumar	Member
3	RA2011032010036	Palisha Vohra	Member

Obstacles to proceed further:

Choosing appropriate methods for security of data of patients and medical records.

Functional Test Cases

Test ID (#)	Test Case	Progress Against Plan	Status
ft1	Verify that users can register	Green	Completed
ft2	Verify that users can login	Green	Completed
ft3	Verify that for each doctor's details like their timings, specialty, fee, patient visited etc is added.	Amber	In progress
ft4	Verify that the doctors have the record of all the medical history of the patients. medicines and the same gets updated when used or added to the system.	Amber	In Progress
ft5	Verify that users can book appointments.	Amber	In Progress
ft6	Verify that users can pay their hospital and medicine bills online.	Amber	In Progress

Non-Functional Test Cases

Test ID (#)	Test Case	Progress Against Plan	Status
nft1	WebApplication load time should not be more than 5 secs up to 1000 users accessing it simultaneously	Amber	In Progress
nft2	WebApp should be responsive	Green	Completed
nft3	All web images should have alt tags	Green	Completed

Category	Progress Against Plan	Status
Functional Testing	Amber	In Progress
Non-Functional Testing	Green	Completed

Functional	Test Case Coverage (%)	Status
ft1	10%	Completed
ft2	20%	Completed
ft3	20%	In Progress
ft4	20%	In Progress
ft5	10%	Completed
ft6	20%	In Progress

Result:

Thus, the test case report has been created for the E-Health Portal.



SRM

INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	13
Title of Experiment	Provide the details of Architecture Design/Framework/Implementation
Name of the candidate	Rishika Gupta
Team Members	R.S.V.S.N.Aahiram Kumar Palisha Vohra
Date of Experiment	02/06/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

Aim

To provide the details of architectural design/framework/implementation

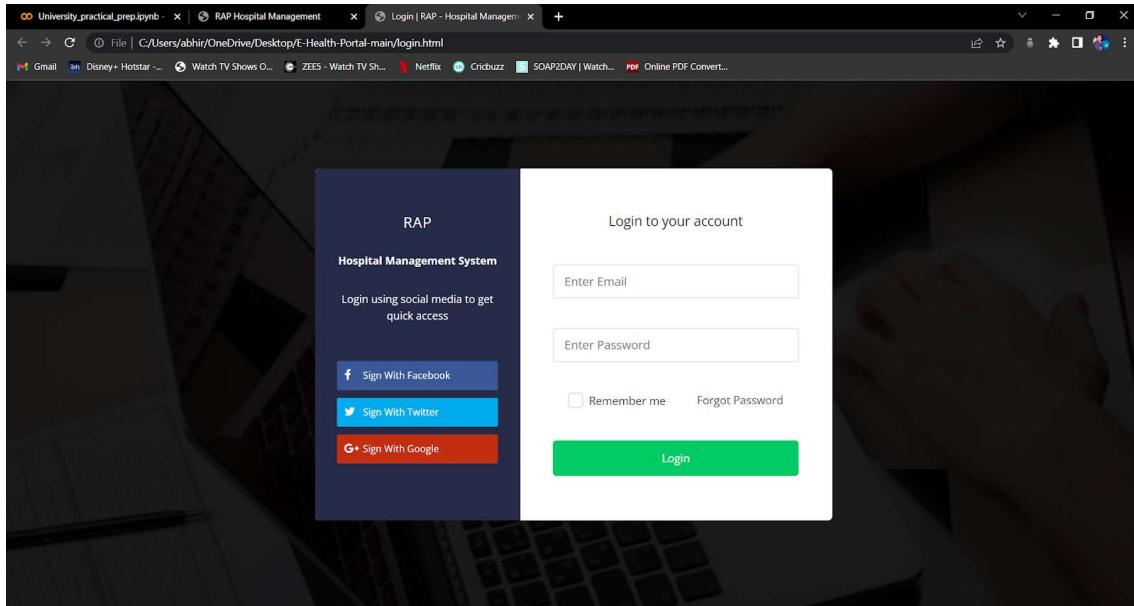
Team Members:

S No	Register No	Name	Role
1	RA2011032010063	Rishika Gupta	Rep/Member
2	RA2011032010057	R.S.V.S.N.Abhiram Kumar	Member
3	RA2011032010036	Palisha Vohra	Member

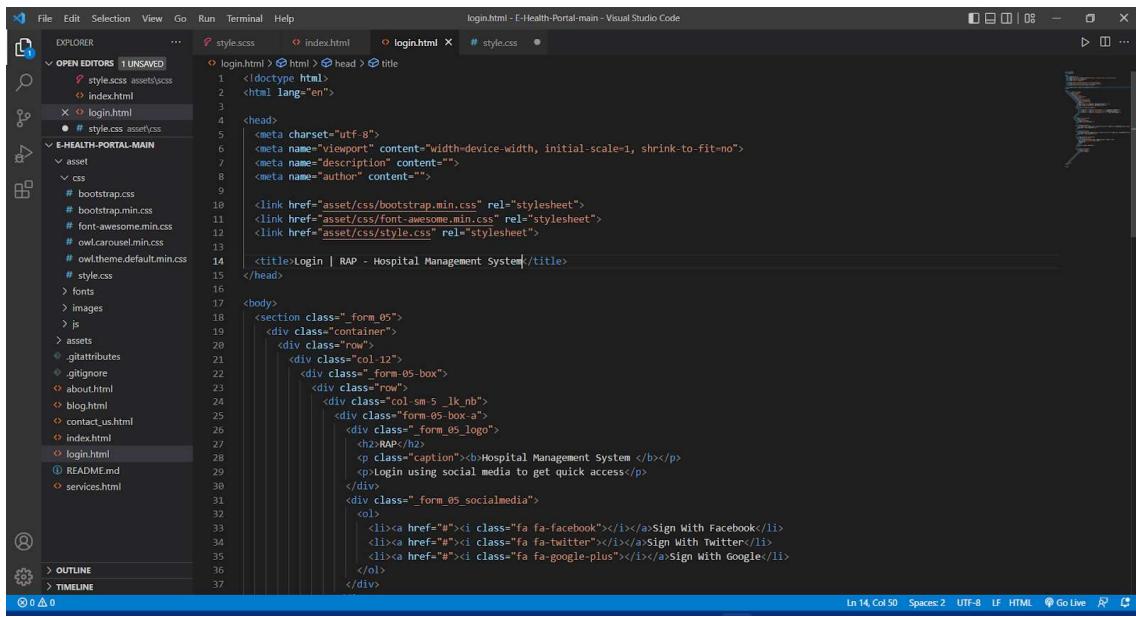
< Provide the details of architectural design/framework/implementation with screenshots - Minimum three modules to be completed (excluding login page) use of software on their choice to implement>

Full documentation with the coding

Login Web Page:



Login Page Code:



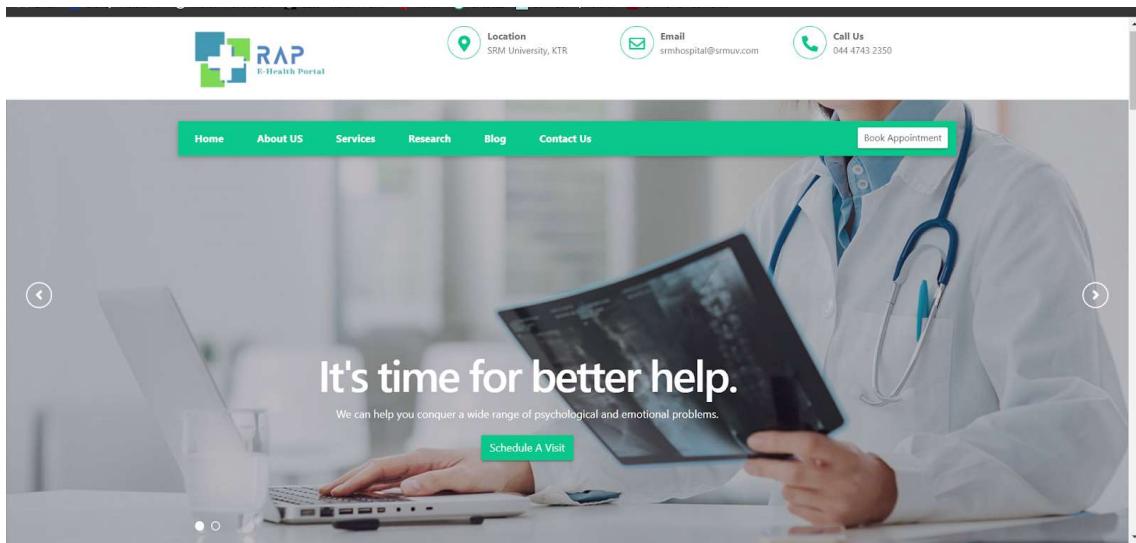
```

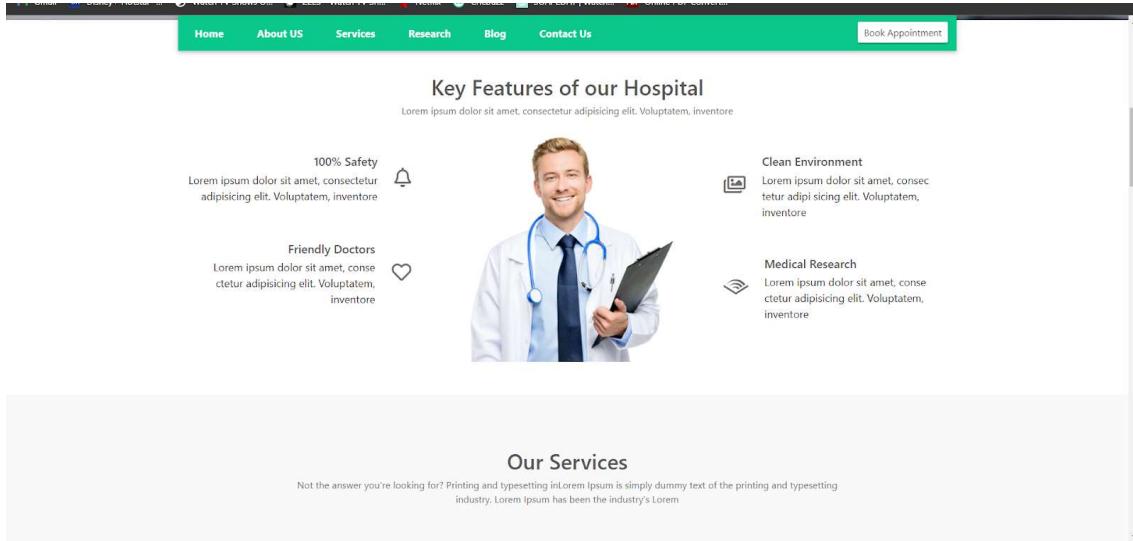
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <meta name="description" content="">
    <meta name="author" content="">
    <link href="asset/css/bootstrap.min.css" rel="stylesheet">
    <link href="asset/css/font-awesome.min.css" rel="stylesheet">
    <link href="asset/css/style.css" rel="stylesheet">
</head>
<body>
    <section class="form_05">
        <div class="container">
            <div class="row">
                <div class="col-12">
                    <div class="form_05_box">
                        <div class="row">
                            <div class="col-sm-5 _lk_nb">
                                <div class="form_05_box_a">
                                    <div class="form_05_logo">
                                        <h2>RAP</h2>
                                        <p><b>Hospital Management System</b></p>
                                    </div>
                                    <div class="form_05_socialmedia">
                                        <ul>
                                            <li><a href="#"><i class="fa fa-facebook"></i></a>Sign With Facebook</li>
                                            <li><a href="#"><i class="fa fa-twitter"></i></a>Sign With Twitter</li>
                                            <li><a href="#"><i class="fa fa-google-plus"></i></a>Sign With Google</li>
                                        </ul>
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </section>
</body>

```

Ln 14, Col 50 Spaces: 2 UTF-8 LF HTML Go Live

Home Web page:





Home Page Code:

index.html - E-Health-Portal-main - Visual Studio Code

```

File Edit Selection View Go Run Terminal Help
OPEN EDITORS 3 UNSAVED
  style.css assets\css
  index.html
  login.html
  # style.css
E-HEALTH-PORTAL-MAIN
  assets
  \gitattributes
  \gitignore
  about.html
  blog.html
  contact_us.html
  index.html
  login.html
  README.md
  services.html

index.html
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
6     <title>E-Health Portal Management</title>
7     <link rel="shortcut icon" href="assets/images/favicon.png" type="image/x-icon">
8     <link href="https://fonts.googleapis.com/css2?family=Ubuntu:wght@400;500&display=swap" rel="stylesheet">
9     <link rel="shortcut icon" href="assets/images/favicon.jpg">
10    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
11    <link rel="stylesheet" href="assets/css/style.css">
12    <link rel="stylesheet" href="assets/plugins/owl-carousel/owl.carousel.min.css">
13    <link rel="stylesheet" href="assets/plugins/slider/css/owl.theme.default.css">
14    <link rel="stylesheet" href="assets/plugins/slider/css/owl.carousel.min.css">
15    <link rel="stylesheet" href="assets/plugins/slider/css/owl.theme.default.css">
16    <link rel="stylesheet" type="text/css" href="assets/css/style.css"/>
17  </head>
18
19  <body>
20    <header class="container-fluid">
21      <div class="container">
22        <div class="row top-row">
23          <div class="col-md-4 logo">
24            
25            <a data-toggle="collapse" data-target="#menu-jk" href="#"><i
26              class="fas d-block d-md-none small-menu fa-bars"></i></a>
27          </div>
28          <div class="col-md-8 navs">
29            <div class="row">
30              <div class="col-lg-4 d-none d-lg-block cinfo">
31                <div class="cinfo">
32                  <div class="icon">
33                    <i class="fas fa-map-marker-alt"></i>
34                  </div>
35                  <div class="detail">
36                    <b>Location</b>
37                    <p>SRN University, KTR</p>
38                  </div>
39                </div>
40              </div>
41              <div class="col-lg-4 col-md-6 d-none d-md-block cinfo">
42                <div class="cinfo">
43                  <div class="icon">
44                    <i class="far fa-envelope"></i>
45                  </div>
46                </div>
47              </div>
48            </div>
49          </div>
50        </div>
51      </div>
52    </header>
53
54    <div class="container">
55      <div class="row">
56        <div class="col-md-4 col-lg-4" style="background-color: #f2f2f2; padding: 10px; border-radius: 5px; margin-bottom: 10px">
57          <h4>100% Safety</h4>
58          <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatem, inventore adipisciing elit. Voluptatem, inventore</p>
59          
60        </div>
61        <div class="col-md-4 col-lg-4" style="background-color: #f2f2f2; padding: 10px; border-radius: 5px; margin-bottom: 10px">
62          <h4>Friendly Doctors</h4>
63          <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatem, inventore</p>
64          
65        </div>
66        <div class="col-md-4 col-lg-4" style="background-color: #f2f2f2; padding: 10px; border-radius: 5px; margin-bottom: 10px">
67          <h4>Clean Environment</h4>
68          <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatem, inventore</p>
69          
70        </div>
71        <div class="col-md-4 col-lg-4" style="background-color: #f2f2f2; padding: 10px; border-radius: 5px; margin-bottom: 10px">
72          <h4>Medical Research</h4>
73          <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatem, inventore</p>
74          
75        </div>
76      </div>
77    </div>
78
79    <div class="container" style="background-color: #f2f2f2; padding: 20px; border-radius: 5px; text-align: center; margin-top: 20px">
80      <h2>Our Services</h2>
81      <p>Not the answer you're looking for? Printing and typesetting in lorem ipsum is simply dummy text of the printing and typesetting industry. Lorem ipsum has been the industry's lorem ipsum placeholder text for over 50 years.</p>
82    </div>
83
84  </body>
85</html>

```

Doctor Dashboard:

The screenshot shows a web-based doctor dashboard. At the top, there's a navigation bar with links for Home, Doctors, Patients, Pages, and Admin. On the right side of the header, there's a contact information section with a phone number: +1 315 369 5943. Below the header, a blue banner displays the word "Dashboard". The main content area has three circular statistics: "Total Patient 1500 Till Today", "Today Patient 160 06, Nov 2019", and "Appointments 85 06, Apr 2019". To the left, a sidebar shows a profile picture of Dr. Darren Elder and his details: BDS, MDS - Oral & Maxillofacial Surgery. The sidebar also lists navigation options: Dashboard, Appointments, My Patients, Schedule Timings, Invoices, and Reviews. The main content area under "Patient Appointment" shows two upcoming appointments: one for Richard Wilson on 11 Nov 2019 at 10:00 AM and another for Charlene Reed on 3 Nov 2019 at 11:00 AM. Each appointment row includes "View", "Accept", and "Cancel" buttons.

Doctor Dashboard Code:

The screenshot shows the Visual Studio Code interface with the "login.html - docure-doctor-appointment-booking-bootstrap-template-admin-dashboard - Visual Studio Code" tab selected. The code editor displays the HTML code for the login page. The code includes meta tags, a title, and various script and link tags for Bootstrap and Font Awesome. The code is well-structured with line numbers on the left. The Explorer sidebar on the left shows other files in the project, such as "doctor-dashboard.html", "chat-doctor.html", "chat.html", "components.html", "doctor-change-password.html", "doctor-dashboard.html", "doctor-profile-settings.html", "doctor-profile.html", "doctor-register.html", "edit-billing.html", "edit-prescription.html", "forgot-password.html", "index-2.html", "index.html", "invites-new.html", "invoices.html", "login.html", "my-patients.html", "patient-dashboard.html", "patient-profile.html", "privacy-policy.html", "profile-settings.html", "register.html", "reviews.html", "schedule-timings.html", "search.html", "social-media.html", "term-condition.html", "video-call.html", and "voice-call.html".

Result:

Thus, the details of architectural design/framework/implementation along with the screenshots were provided.