

LAB REPORT

Submitted by

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Under the Guidance of

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Assistant Professor, Department of Networking and Communications

In partial satisfaction of the requirements for the degree of

**BACHELOR OF TECHNOLOGY
in
COMPUTER SCIENCE AND ENGINEERING**

with specialization in Internet of Things



**SCHOOL OF COMPUTING
COLLEGE OF ENGINEERING AND TECHNOLOGY
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
KATTANKULATHUR - 603203**

MAY 2023



INSTITUTE OF SCIENCE & TECHNOLOGY
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COLLEGE OF ENGINEERING & TECHNOLOGY
SRM INSTITUTE OF SCIENCE & TECHNOLOGY
S.R.M. NAGAR, KATTANKULATHUE – 603 203

Chengalpattu District

BONAFIDE CERTIFICATE

Register No. RA2111032010013 Certified to be the
bonafide work done by Roshan.A of II
Year/IV Sem B.Tech Degree Course in the Practical Course – 18CSC206J -
Software Engineering and Project Management in SRM INSTITUTE OF
SCIENCE AND TECHNOLOGY, Kattankulathur during the academic year
2022 – 2023.

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SIGNATURE

HEAD OF THE DEPARTMENT
Dr. Annapurani Panaiyappan. K
Professor and Head,
Department of Networking and Communications
SRM Institute of Science and Technology

ABSTRACT

An online doctor appointment booking system is a web-based platform designed to simplify the process of scheduling medical consultations with healthcare professionals. The system enables patients to book appointments with doctors or specialists online, eliminating the need for lengthy phone calls or in-person visits to schedule appointments.

The system is built with various features, including the ability to search for doctors by specialty, location, availability, and other criteria. Patients can view the profiles of doctors, read reviews and ratings, and select the most suitable practitioner for their needs.

The platform is designed to be user-friendly, allowing patients to easily navigate through the booking process, select the appointment date and time, and make payments online. Patients can also receive reminders and notifications for their appointments, which can help reduce no-shows and improve overall patient satisfaction.

Doctors and healthcare providers can also benefit from this system by having a centralized platform to manage their appointments, view their schedules, and communicate with patients. The system can also help healthcare providers to optimize their scheduling, reduce wait times, and improve the efficiency of their practices.

Overall, an online doctor appointment booking system is an effective solution for simplifying the appointment scheduling process, enhancing patient experiences, and improving the overall efficiency of healthcare delivery.

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LIST OF ABBREVIATIONS

Abbreviation	Meaning
UI	User Interface
UX	User Experience
WBS	Work Breakdown Structure
SWOT	Strength, Weakness, Opportunities and Threats
RMMM	Risk Management, Monitoring, and Mitigation
API	Application Programming Interface
ER	Entity Relationship
DFD	Data Flow Diagram



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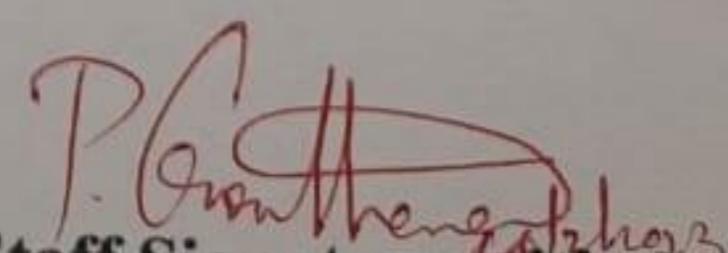
Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	1
Title of Experiment	To identify the Software Project, Create Business Case, Arrive at a Problem Statement
Name of the candidate	Roshan
Team Members	Thrideep, Jebarson
Register Number	RA2111032010013
Date of Experiment	20/1/23

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	5
2	Viva	5	4
Total		10	9


Staff Signature with date

Aim

To Frame a project team, analyze and identify a Software project. To create a business case and Arrive at a Problem Statement for the <title of the project>

Team Members:

S. No	Register No	Name	Role
1	RA2111032010003	THRIDEEP	Lead/Rep
2	RA2111032010013	ROSHAN	Member
3	RA2111032010028	JEBARSON	Member

Project Title: Doctor appointment booking system

Project Description:

This project enhances the way of booking an appointment with your Doctor. Our project is python-based Doctor appointment booking system which is designed to overcome the issue of managing and booking appointments for both hospital department as well as the patients. It offers an effective solution where users can view various booking slots available and select the preferred date and time.

	DATE	20/1/23
	SUBMITTED BY	THRIDEEP
	TITLE / ROLE	Doctor appointment booking system

THE PROJECT

- This project makes easier the appointment booking procedure done before consulting a doctor
- Instead of waiting in a queue to book an appointment , this enhances the whole booking procedure and thereby saving time and resources

THE HISTORY

- It eliminates the need for waiting at the hospital reception for consulting the doctor as one can book appointment accordingly as per their convenient time and date

LIMITATIONS

- The patient cannot change the slot or date once booked.
- It requires large database.

APPROACH

- We require web developers
- Sublime Text editor
- XAMPP server

BENEFITS

- It is user friendly
- It helps to book doctor's appointments easily and efficiently
- Patients can book appointments from the comfort of their homes

Result

Thus, the project team formed, the project is described, the business case was prepared and the problem statement was arrived.



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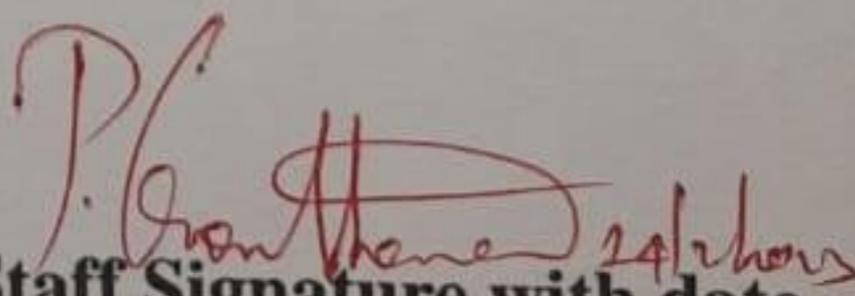
Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	2
Title of Experiment	Identification of Process Methodology and Stakeholder Description
Name of the candidate	Roshan
Team Members	Thrideep, Jebarson
Register Number	RA2111032010013
Date of Experiment	01-02-23

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	5
2	Viva	5	4
Total		10	9


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	RA2111032010003	THRIDEEP . S	Rep/Member
2	RA2111032010028	JEBARSON RAJ . S	Member
3	RA2111032010013	ROSHAN J.R	Member

Project Title:

Selection of Methodology

- The Waterfall methodology is a sequential development process that flows like a waterfall through all phases of a project (analysis, design, development, and testing, for example), with each phase completely wrapping up before the next phase begins.
- The Waterfall methodology is a straightforward, well-defined project management methodology Since the requirements are clearly laid out from the beginning, each contributor knows what must be done when, and they can effectively plan their time for the duration of the project.
- Developers can catch design errors during the analysis and design stages, helping them to avoid writing faulty code during the implementation phase. The total cost of the project can be accurately estimated, as can the timeline, after the requirements have been defined. With the structured approach, it is easier to measure progress according to clearly defined milestones.

Incorporate information to below table regarding stakeholders of the project [Make use of below examples]

STAKEHOLDER NAME	ACTIVITY / AREA / PHASE	INTEREST	INFLUENCE	PRIORITY
Owner	Setting goals and objectives for the team to achieve.	High	High	1
Sponsor	Provides main funding for the execution of the projects. Has the power to influence the project with their ideas.	Med	Med	4
Project Manager	Planning and monitoring projects Applying appropriate technical and quality strategies and standards	High	High	2
Investors	Investors build a portfolio that tries to beat the benchmark index. Investors may also be oriented toward growth.	Low	Low	5
Team members	Ensures smooth and effective operations of the team. Serves as a mediator between the team and the Quality Council 3..He implements the changes recommended by the team.	High	High	3
Resource Manager	Involved in planning resource allocation, ensuring they maximize the use of all the company resources	High	High	6
Suppliers	Provides product or service to another entity. Provides us with CMS	High	Low	7
End Users	Responsible for protecting the information resources to which they have access	Low	Low	8

Result

Thus the Project Methodology was identified and the stakeholders were described.



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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	Roshan.A
Team Members	Jebarson , Thrideep .S
Register Number	I RA2111032010013
Date of Experiment	7/2/23

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	5
2	Viva	5	4
Total		10	9

P. Goutham Sankar
Staff Signature with date

Aim

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

Team Members:

S No	Register No	Name	Role
1	RA2111032010003	Thrideep	Rep/Member
2	RA2111032010013	Roshan	Member
3	RA2111032010028	Jebarson	Member

Project Title: DOCTOR APPOINTMENT BOOKING SYSTEM

System Requirements:

1. Laptop or PC

- Windows 7 or higher
- i3 processor system or higher
- 4 GB RAM or higher
- 100GB ROM or higher

2. Mobile

- Android version 8 or higher
- iOS 13 or higher

Functional Requirements:

- **User Authentication** : Every user of the system will have to log into the system using username and password so that security and authentication will be ensured.
- **User profile** : Users like patients, hospital staffs and management and third-parties like drug suppliers, insurance company can check their profile and interact with others.
- **Registration** : The management enables staffs at front desk to add new patients, provide unique id to each of the patient and adding them to the patient record sheet

- **Check out** : The staff in the administration section of the ward can delete patient id from the system when they discharge. Update availability of empty beds.
- **Report generation** : The Management generates a report on every patient regarding various information like patients name, Phone number, bed number, the doctor's name whom its assigns, ward name, and more.

Non-Functional Requirements

- **Security** : The system needs the patient to recognize herself or himself using the phone. Any users who make use of the system need to hold a Logon ID and password. Any modifications like insert, delete, update, etc. for the database can be synchronized quickly and executed only by the ward administrator.
- **Performance** : The system provides acknowledgment in just one second once the 'patient's information is checked. The system needs to support at least 1000 people at once
- **Maintainability** : The system offers efficiency for data backup. The system will track every mistake as well as keep a log of it.
- **Reliability** : The system should be available all the time.

Result :

Thus the requirements were identified and accordingly described.



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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	Roshan.A
Team Members	Thrideep , Jebarson Raj.S
Register Number	RA2111032010013
Date of Experiment	9/2/23

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	5
2	Viva	5	3 ✓
Total		10	8

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:

Sl No	Register No	Name	Role
1	RA2111032010028	JEBARSON.S	Lead
2	RA2111032010013	ROSHAN.A	Member
3	RA2111032010003	THRIDEEP.S	Member

1. Project Management Plan

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

Focus Area	Details
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 Effective quality management of a project also lowers the risk of product failure or unsatisfied clients.
Resource Management	Resource scheduling involves identifying and allocating resources for a specific period to different project tasks Resource forecasting helps managers predict resource utilization levels in advance
Risk Management	Project risk management is the process of identifying, analyzing and responding to any risk that arises over the life cycle of a project to help the project remain on track and meet its goal. Risk management, is the process of identifying, categorizing, prioritizing and planning for risks before they become issues.

2. Estimation

2.1. Effort and Cost Estimation

Activity Description	Sub-Task	Sub-Task Description	Effort (in hours)	Cost in INR
UI / UX DESIGNING	E1R1A1T1	Design Login page	4	2000
	E1R1A1T2	Design Homepage	3	1500
	E1R1A1T3	Design Profile	3	1500
Backend Development	E1R1A2T1	Develop Dashboard	5	2500
	E1R1A2T2	Develop Login screen	3	1500
	E1R1A2T3	Develop Home page	6	3000
Frontend Development	E1R1A2T4	Develop Profile page	3	1500
	E1R1A3T1	GET /	5	2500
	E1R1A3T2	POST /	4	2000
	E1R1A3T3	PUT /	3	1500
	E1R1A3T4	DELETE /	3	1500

Effort (hr)	Cost (INR)
1	500

2.2. Infrastructure/Resource Cost [CapEx]

Infrastructure Requirement	Qty	Cost per qty	Cost per item
Office setup	1	35000	35000
Desktop	4	40000	160000

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	50,000	1,50,000
License	Operating System Database Middleware IDE	4	10,000	40,000
Infrastructures	Server, Storage and Network	6	20,000	1,20,000

3. Project Team Formation

3.1. Identification Team members

Name	Role	Responsibilities
Roshan	Project Manager	Manage the project
Roshan	Business Analyst	Discuss and Document Requirements
Thrideep	UX Designer	Design the user experience
Thrideep	Frontend Developer	Develop user interface
Jebarson	Backend Developer	Design, Develop and Unit Test Services/API/DB
Roshan	Cloud Architect	Design the cost effective, highly available and scalable architecture
Jebarson	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	
frontend	I	A		C	
functional requirements	C	A	R		
User interface	I	A		R	

A	Accountable
R	Responsible
C	Consult
I	Inform

Result: Thus, the Project Plan was documented successfully.



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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	Roshan.A
Team Members	Thrideep. S, Jebarson.S
Register Number	RA2111032010013
Date of Experiment	21/2/23

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	5
2	Viva	5	4
Total		10	9

P. Gautham 28/2/2023
Staff Signature with date

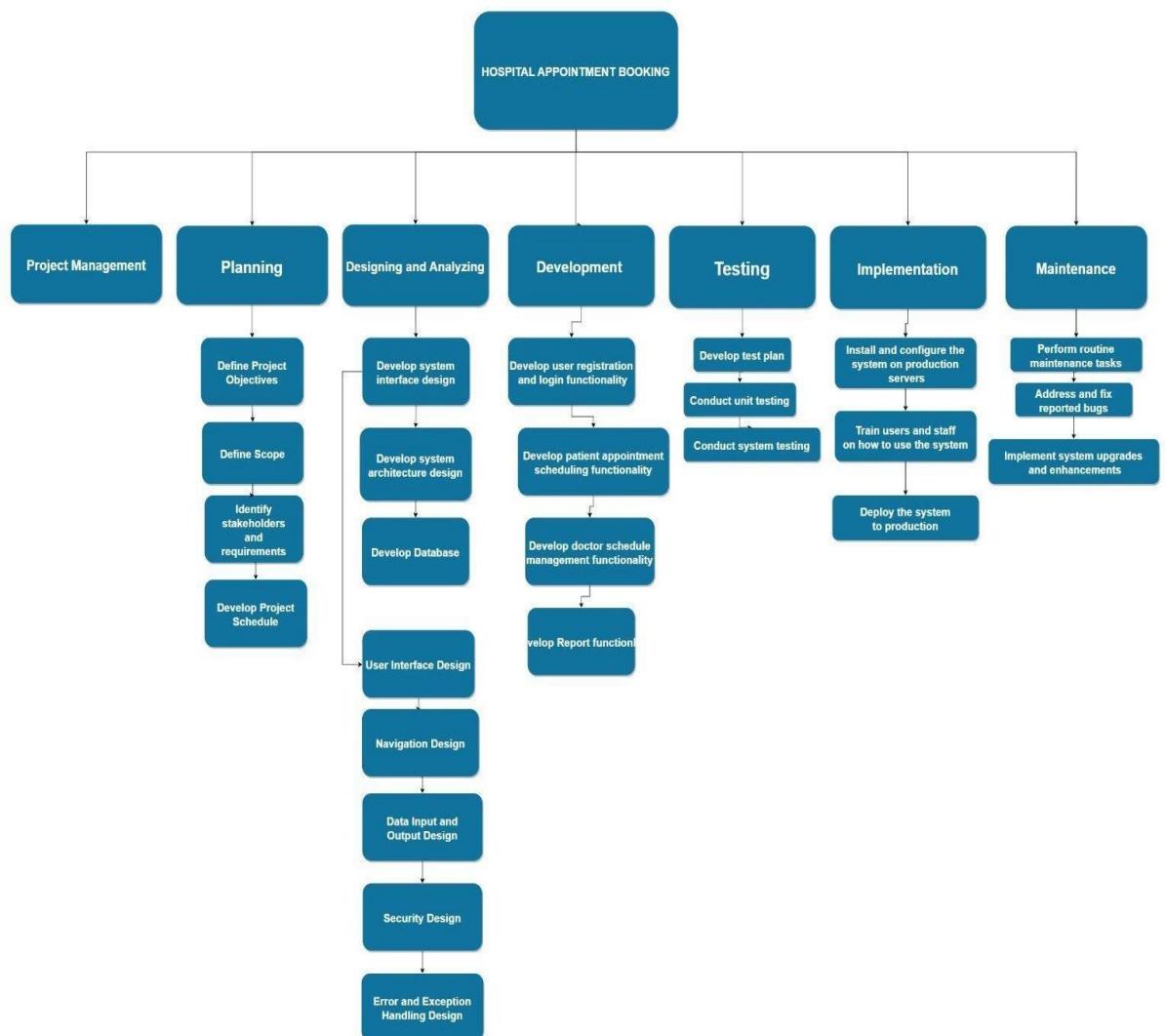
Aim

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

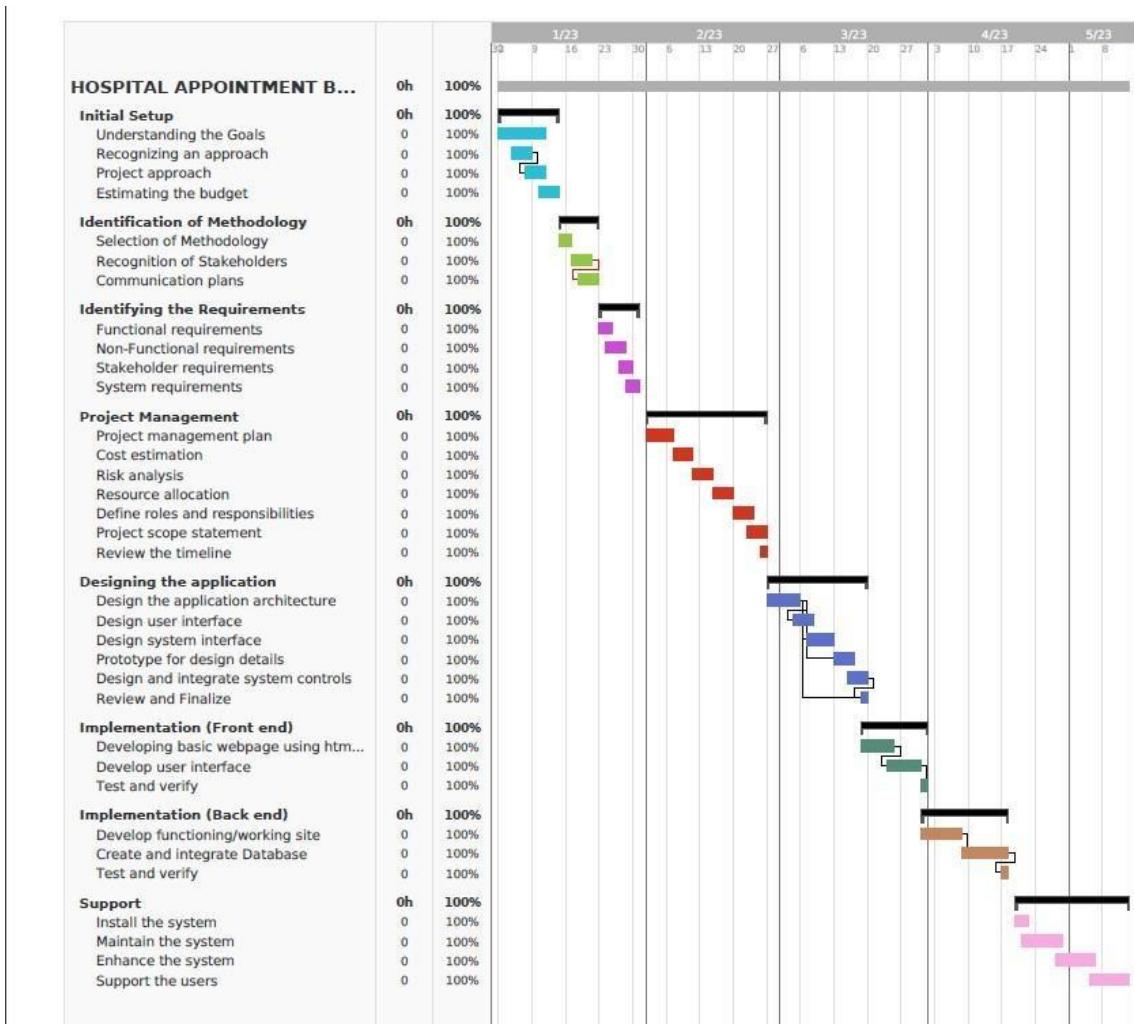
Team Members:

Sl No	Register No	Name	Role
1	RA2111032010013	Roshan	Rep
2	RA2111032010003	Thrideep	Member
3	RA2111032010028	Jebarson	Member

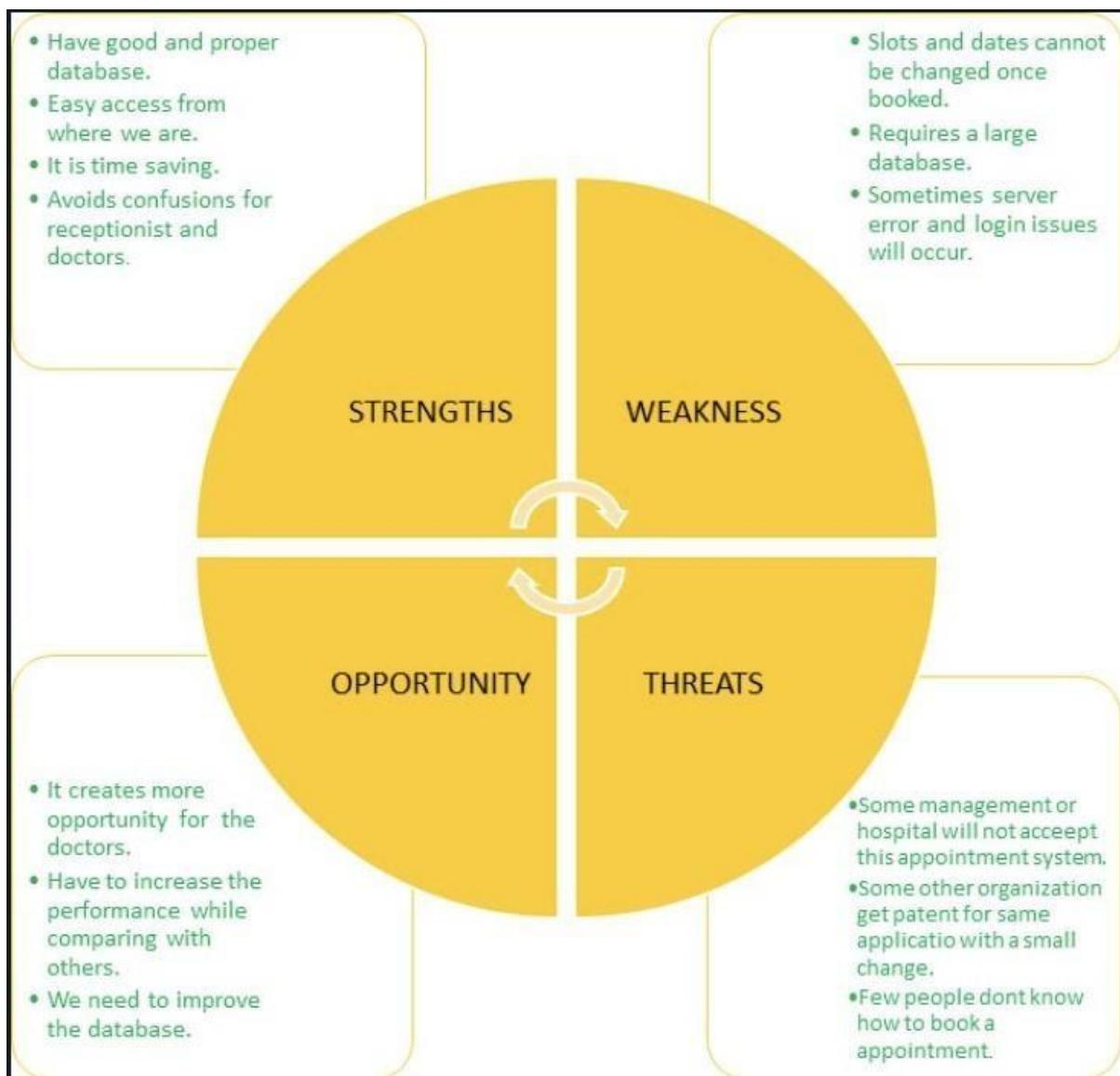
WBS- (WORK BREAKDOWN STRUCTURE)



TIME LINE - GANTT CHART



RISK ANALYSIS - SWOT ANALYSIS ; RMMM



RISK MANAGEMENT FRAME WORK

RESPONSE STRATEGY EXAMPLE

Avoidance:	Organizations may choose to avoid risks by eliminating the activities or processes that could lead to them	A company chooses not to launch a new product in a highly competitive market to avoid the risk of failure.
Mitigation:	Organizations may take actions to mitigate risks by implementing measures that reduce the likelihood or impact of the risk.	A company implements a backup power system to mitigate the risk of power outages.
Transfer:	organization transfers the risk to a third party, such as an insurance company, vendor, or customer. the organization shifts the financial burden of potential losses to another party.	A company purchases liability insurance to transfer the risk of legal claims from its customers.

Acceptance:	<p>Organizations may accept certain risks if they fall within their risk tolerance levels.</p> <p>For example, a company may accept the risk of market fluctuations if it has a diversified portfolio of investments</p>	<p>A company accepts the risk of a product recall and develops a plan to minimize the impact on its customers and brand reputation</p>
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Result:

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

WBS – Examples



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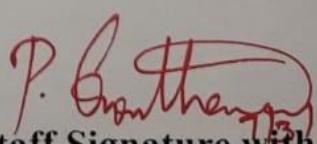
Course Code: 18CSC206J

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	Roshan.A
Team Members	Thrideep , Jebarson.S
Register Number	RA2111032010013
Date of Experiment	7/3/23

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	5
2	Viva	5	4
Total		10	9


P. Balasubramanian
Staff Signature with date

Aim

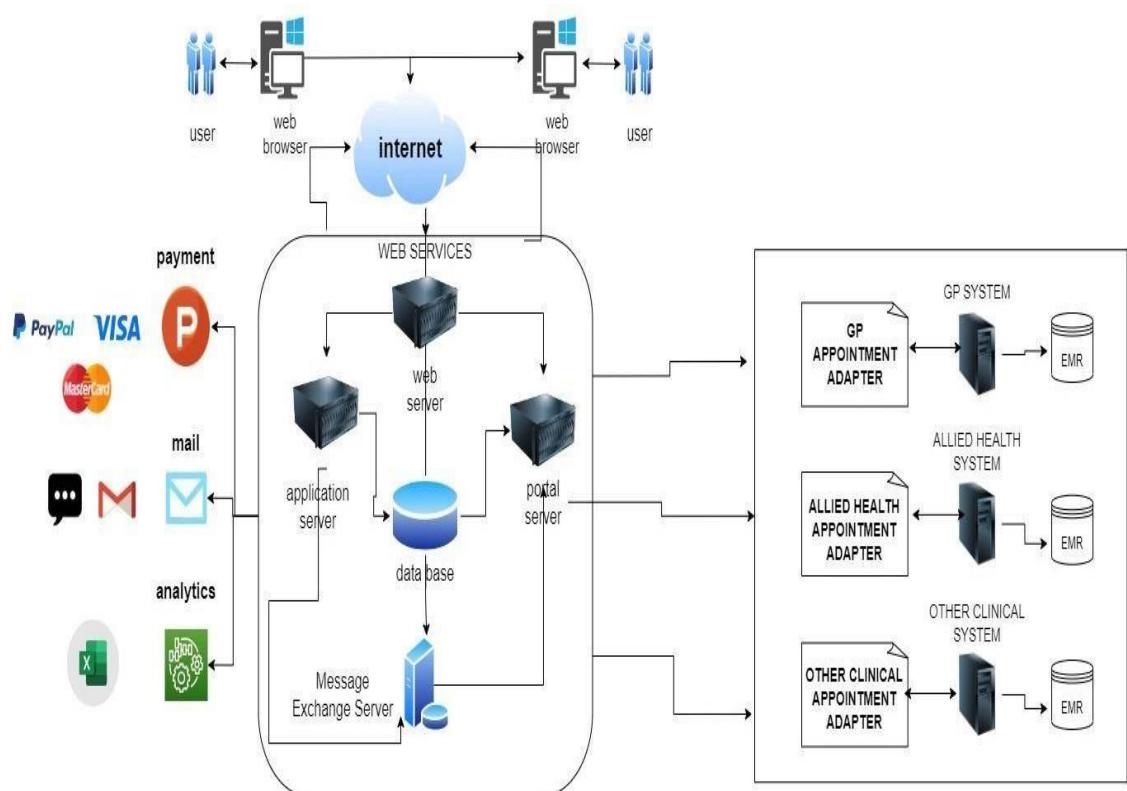
To Design a System Architecture, Use case and Class Diagram

Team Members:

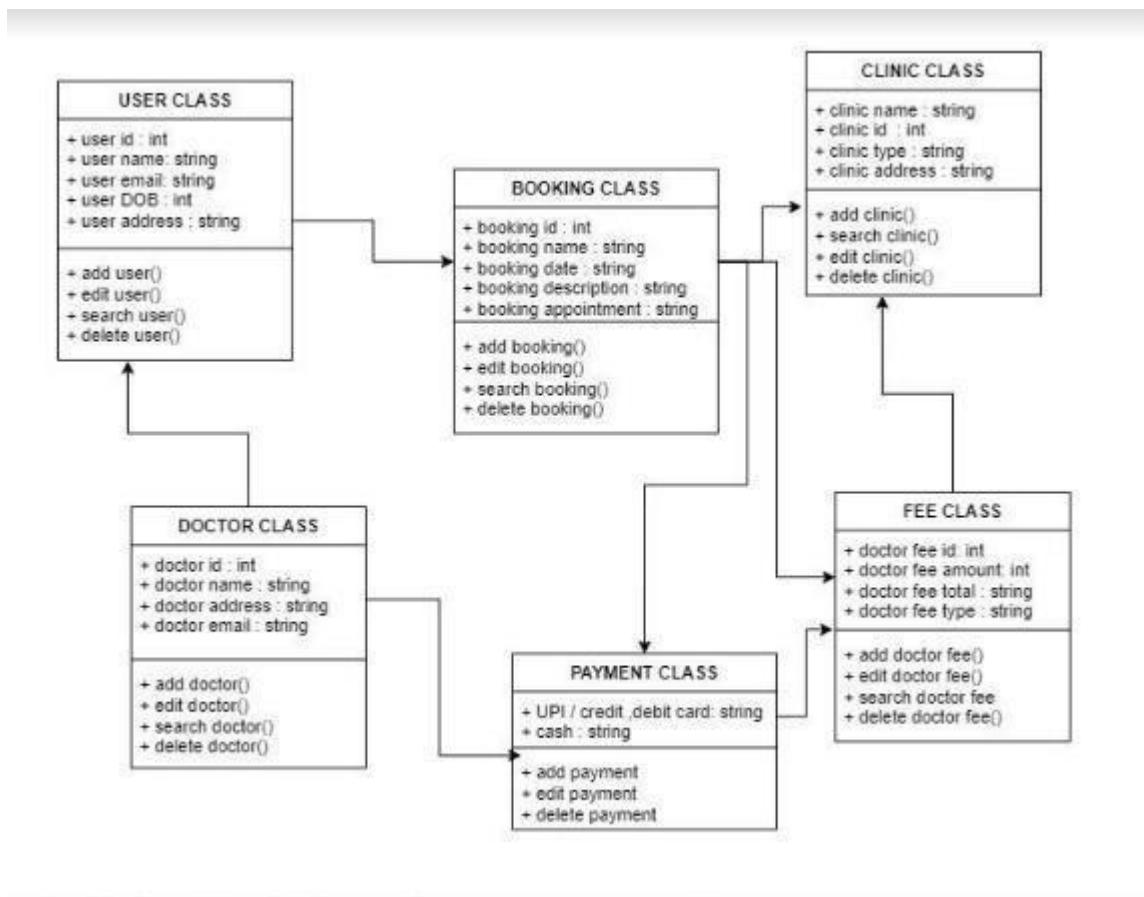
SI No	Register No	Name	Role
1	RA2111032010003	THRIDEEP	Rep
2	RA2111032010013	ROSHAN	Member
3	RA2111032010028	JEBARSON	Member

Requirements

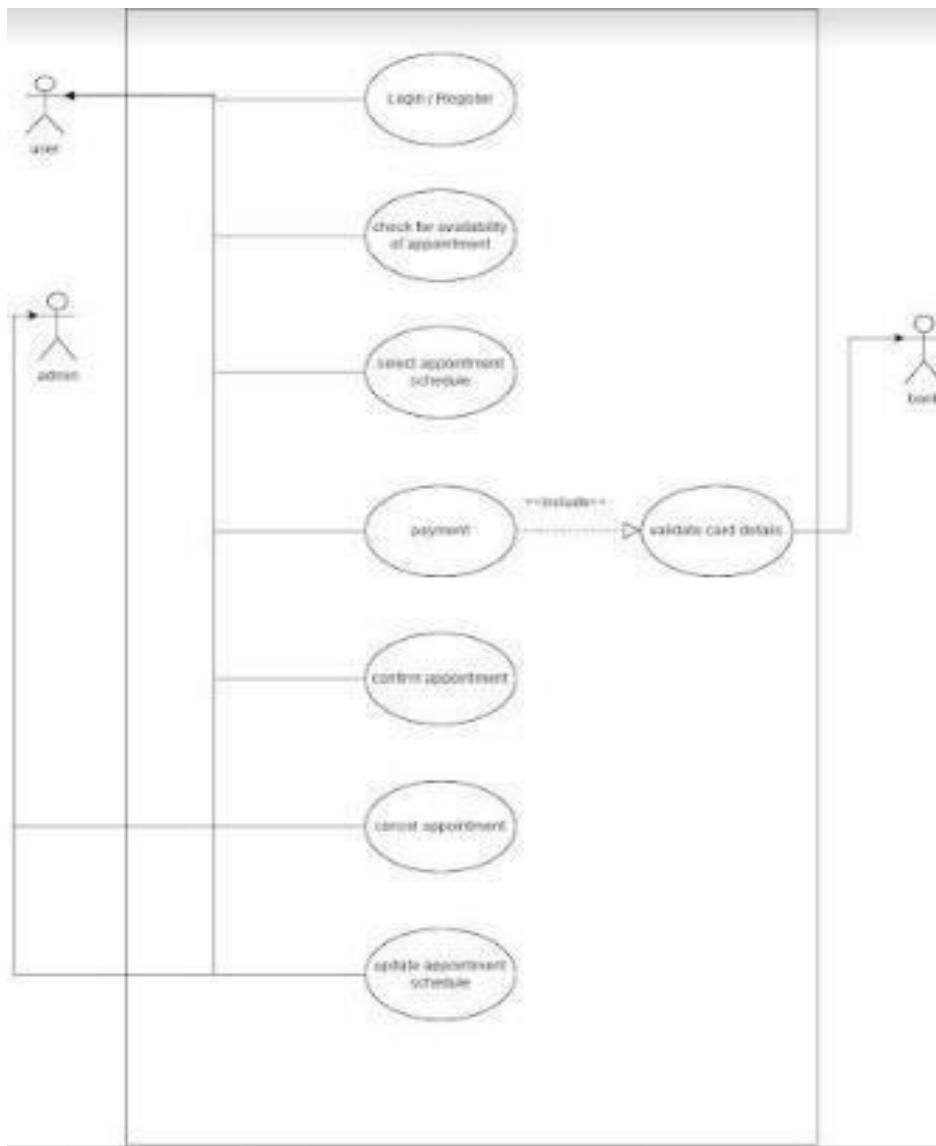
SYSTEM ARCHITECTURE



UML CLASS DIAGRAM



UML USECASE DIAGRAM



Result:

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



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Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	7
Title of Experiment	Design an Entity relationship diagram
Name of the candidate	Roshan. A
Team Members	Thrideep. S, Jebarson. S
Register Number	RA2111032010013
Date of Experiment	13/03/23

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	4
2	Viva	5	3 ✓
Total		10	7

P. Gautham 15/3/2022
Staff Signature with date

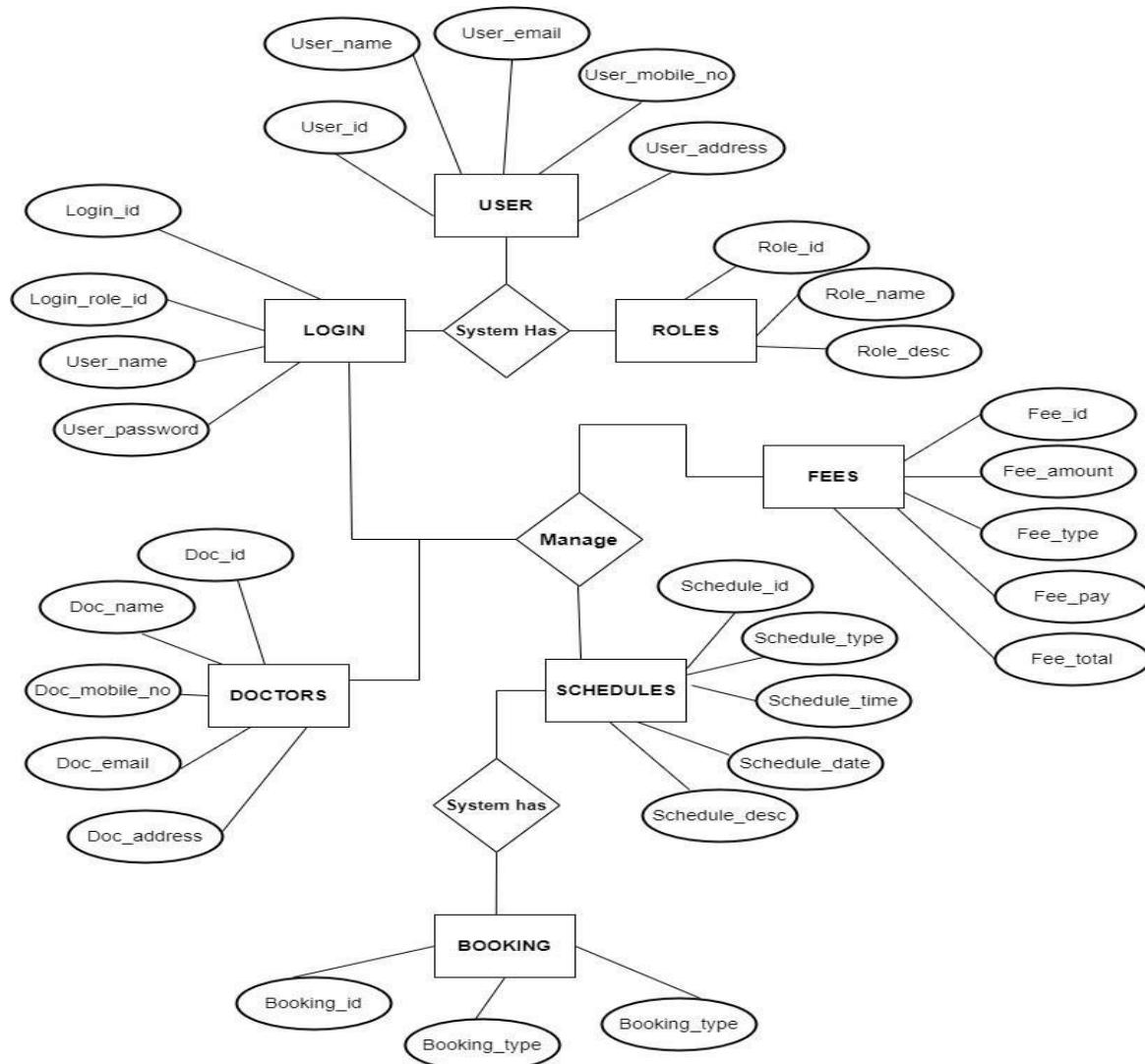
Aim

To create the Entity Relationship Diagram

Team Members:

S No	Register No	Name	Role
1	RA2111032010003	Thrideep.S	Rep
2	RA2111032010013	Roshan.A	Member
3	RA2111032010028	Jebarson.S	Member

ER DIAGRAM:



Result:

Thus, the entity relationship diagram was created successfully.



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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	Roshan.A
Team Members	Thrideep.S , Jebarson Raj.S
Register Number	RA2111032010013
Date of Experiment	15/3/23

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
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2	Viva	5	4
Total		10	9

P. Goutham 25/3/2023
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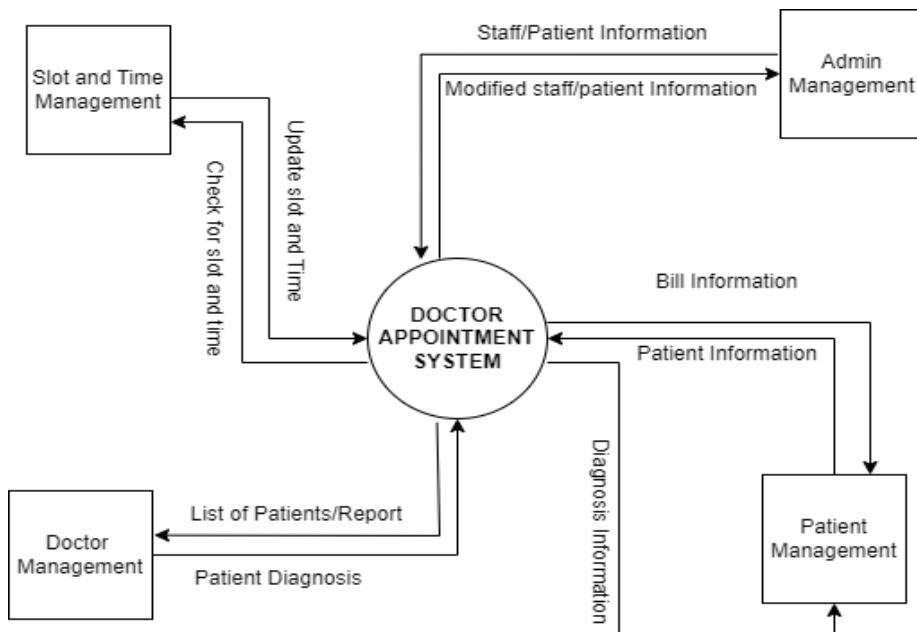
Aim

To develop the data flow diagram up to level 1 for the doctor appointment booking system

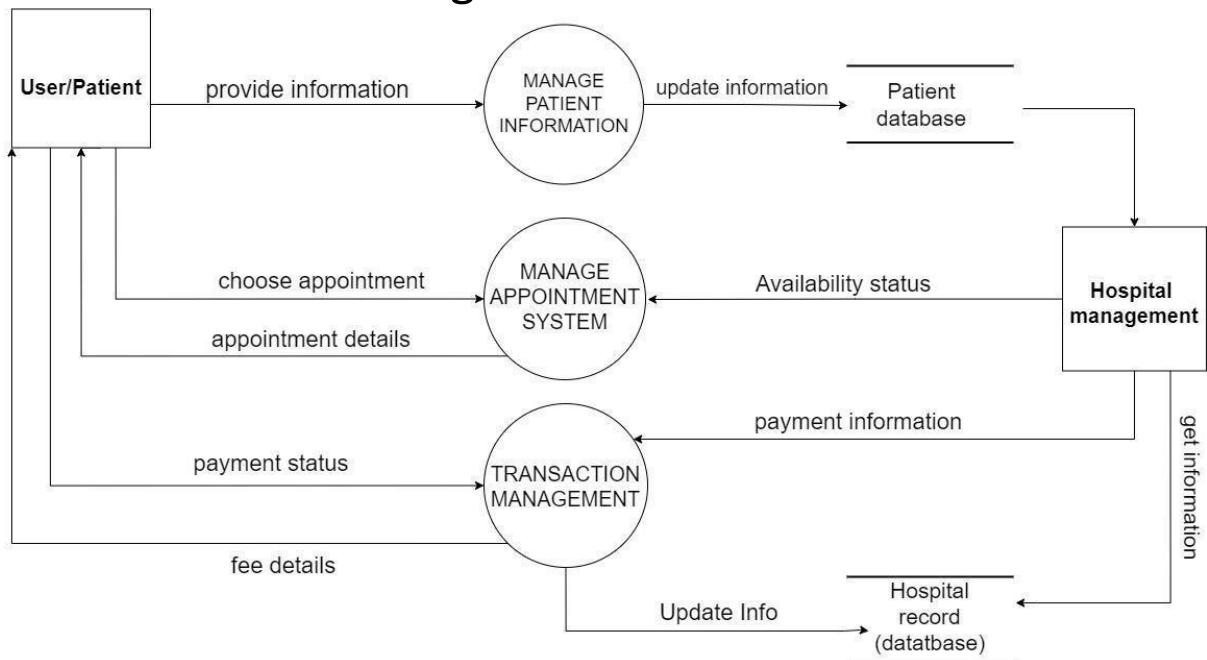
Team Members:

S No	Register No	Name	Role
1	RA2111032010003	Thrideep.S	Rep
2	RA2111032010013	Roshan.A	Member
3	RA2111032010028	Jebarson Raj.S	Member

LEVEL 0 : Data flow diagram



LEVEL 1: Data flow diagram



Result:

Thus, the data flow diagrams have been created for the Doctor appointment booking system



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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	Roshan.A
Team Members	Jebarson Raj.S , Thrideep .S
Register Number	RA2111032010013
Date of Experiment	24/03/23

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	4
2	Viva	5	3
Total		10	7

Aim

To create the sequence and collaboration diagram for the <project name>

Staff Signature with date

P. Roshan 174402

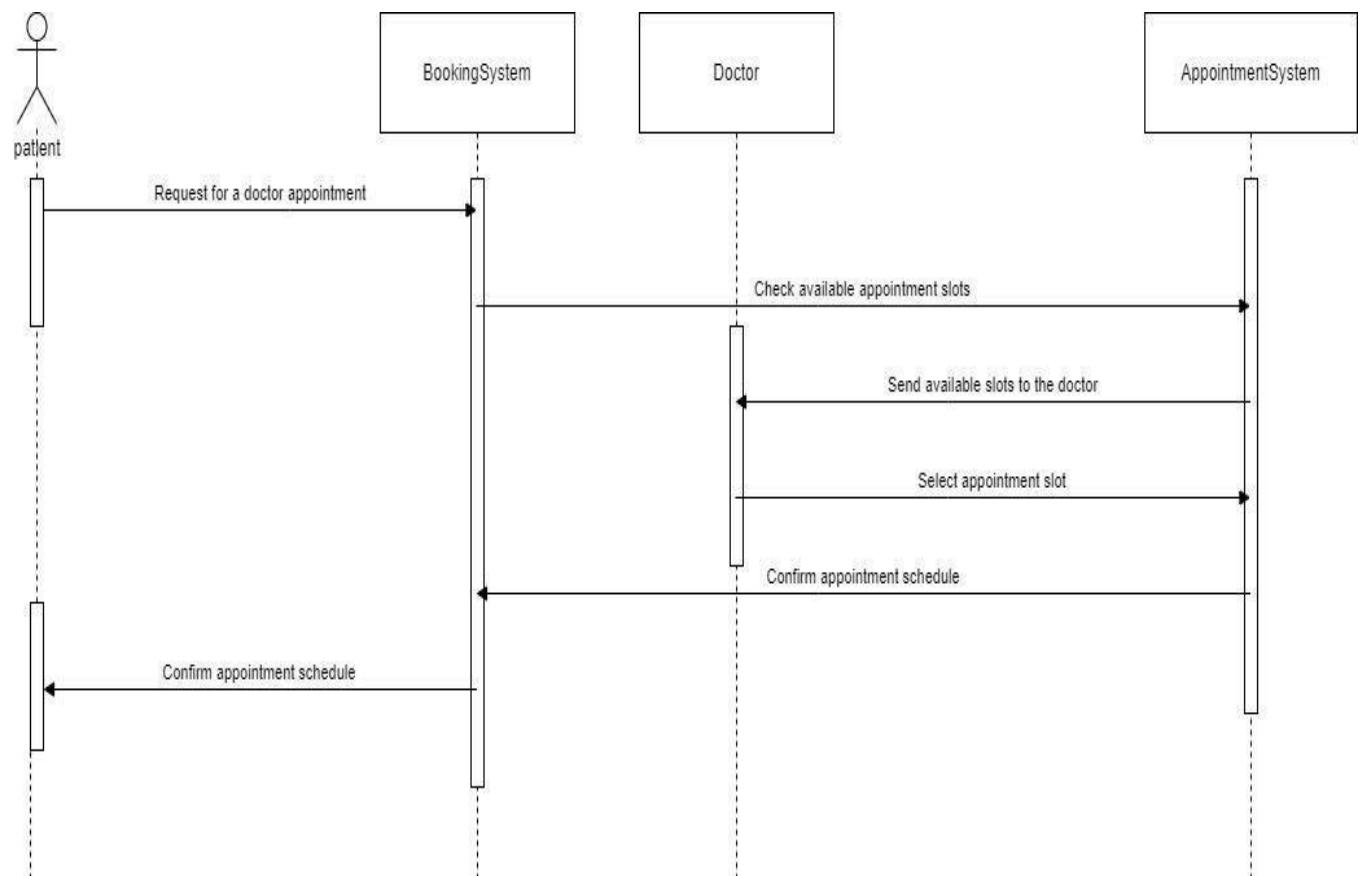
Aim

To create the sequence and collaboration diagram for the <project name>

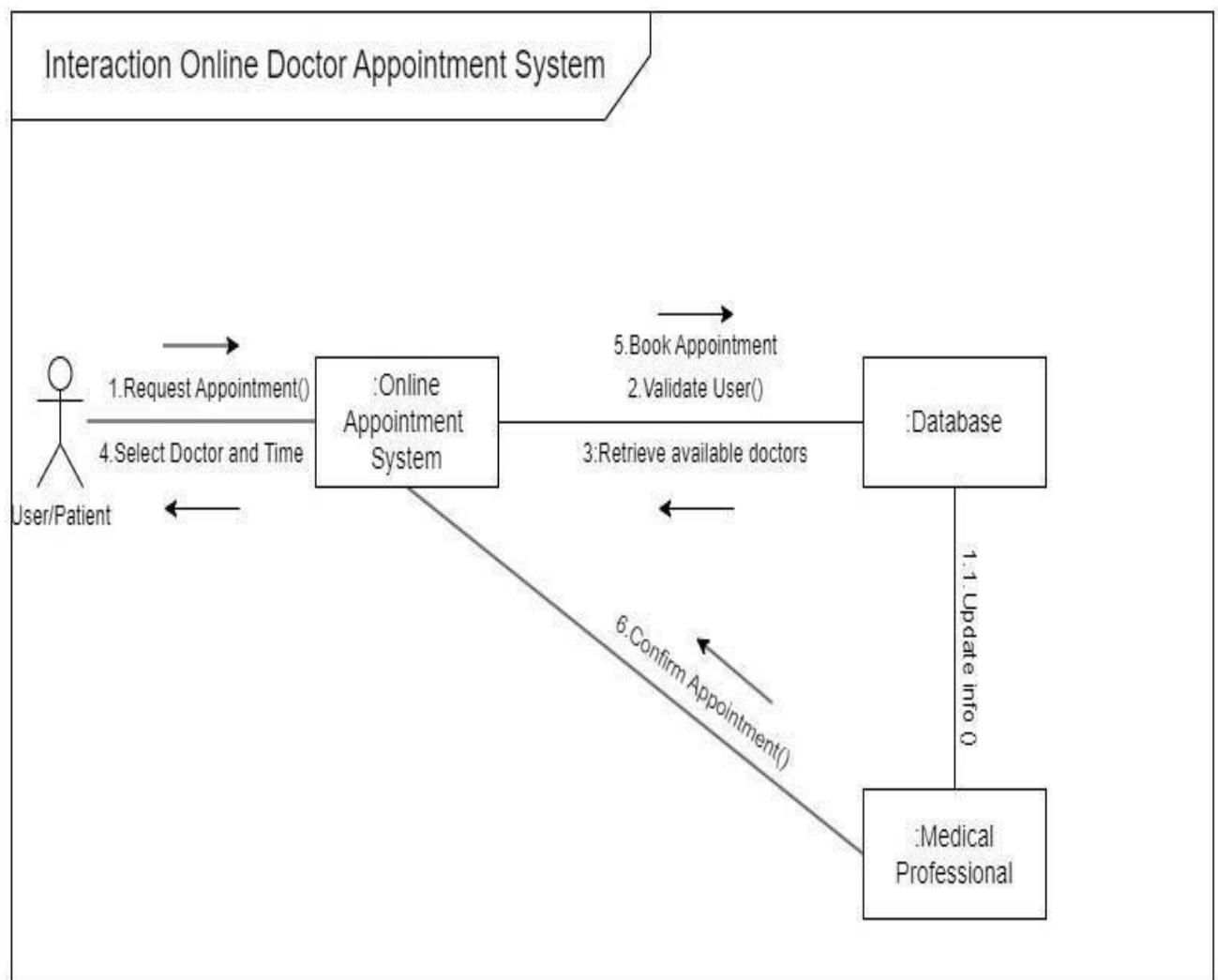
Team Members:

S No	Register No	Name	Role
1	RA2111032010003	Thrideep.S	Rep/Member
2	RA2111032010013	Jebarson Raj.S	Member
3	RA2111032010028	Roshan.A	Member

SEQUENCE DIAGRAM



COLABORATION DIAGRAM



Result:

Thus, the sequence and collaboration diagrams were created for the doctor appointment booking system



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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	Roshan.A
Team Members	Jebarson Raj.S , Thrideep.S
Register Number	RA2111032010013
Date of Experiment	30/03/23

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	5
2	Viva	5	3
	Total	10	8

Aim

To develop the testing framework and/or user interface framework for the doctor appointment booking system

Team Members:

Staff Signature with date

P. Goutham 17/4/2023

Aim

To develop the testing framework and/or user interface framework for the doctor appointment booking system

Team Members:

S No	Register No	Name	Role
1	RA2111032010003	Thrideep.S	Rep/Member
2	RA2111032010013	Jebarson Raj.S	Member
3	RA2111032010028	Roshan.A	Member

Executive Summary

The doctor appointment booking system is an online platform that allows patients to book appointments with doctors in a convenient and efficient manner. The system streamlines the appointment booking process by providing patients with a list of available doctors and their schedules. Patients can choose a doctor and schedule an appointment based on their availability.

Overall, the doctor appointment booking system is a valuable tool for both patients and doctors, providing a convenient and efficient way to book appointments and manage schedules.

Test Plan

1) Functional Testing:

Verify that the patient can successfully register for an account

Verify that the patient can successfully log in to their account

Verify that the patient can select a date and time for an appointment

Verify that the patient can successfully book an appointment with the chosen doctor

2) Usability Testing:

* Test the user interface to ensure that it is user-friendly

* Conduct a survey to evaluate the user's satisfaction with the system

* Observe the user's interaction with the system to identify areas of improvement

3) Performance Testing:

* Test the system's response time when searching for doctors and booking appointments

- * Test the system's ability to handle multiple concurrent users

- * Test the system's ability to handle large volumes of data

4) Compatibility Testing:

Test the system's compatibility with different web browsers and devices

Test the system's compatibility with different operating systems and network environments

Scope of Testing

1) Functional Testing:

Functional testing ensures that the system's functions are working as intended. The scope of functional testing for a doctor appointment booking system includes:

User registration and authentication

Doctor search and appointment booking

Appointment scheduling and rescheduling

Reminder and notification system

User profile management

Payment processing

2) Non-Functional Testing:

Non-functional testing evaluates the system's performance, usability, security, and other non-functional aspects. The scope of non-functional testing for a doctor appointment booking system includes:

Performance testing: We ensure the system can handle high loads, and to measure response time, throughput, and other performance metrics.

Usability testing: We ensure that the user interface is easy to use, intuitive, and user-friendly.

Compatibility testing: we ensure that the system works on different browsers and devices.

Types of Testing, Methodology, Tools

Category	Methodology	Tools Required
Functional	Unit testing , integration testing	Pytest , Robot
Non functional	Performance testing,usability testing,compatibility testing	Testify , PyUnit
UI Testing	Manual testing , automated testing	Pytest , Selenium
Accessibility Testing	Visual accessibility testing , Manual testing	Pa11y , axe

Result:

Thus, the testing framework/user interface framework has been created for the doctor appointment booking system



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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 & Reporting
Name of	Roshan.A
Team	Thrideep.S , Jebarson raj
Register Number	RA2111032010013
Date of Experiment	06/04/23

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	5
2	Viva	5	4
	Total	10	9

P.Goutham 24/4/2023
Staff Signature with date

Aim

To develop the test cases manual with manual test case report for the “Online Doctor Appointment System”

Team Members:

S No	Register No	Name	Role
1	RA2111032010003	Thrideep.S	Rep
2	RA2111032010013	Roshan.A	Member
3	RA2111032010028	Jebarson raj	Member

Test Case

Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status	Remarks
#001	User registration	To verify that a user can register on the online doctor appointment booking system	<ol style="list-style-type: none">1. Navigate to the registration page2. Click on the "Register" button.3. Verify that the user is redirected to the login page.	The user will able to register Without any errors	The user is able to register successfull.	Pass	success
#002	User Login	To verify that a registered user can log in to the online doctor appointment booking system.	<ol style="list-style-type: none">1. Navigate to the login page2. Click on the "Login" button.3. Verify that the user is redirected to the homepage.	The registered user should be able to log in without any issues	The registered user has logged in successfully.	pass	success
#003	Book Appointment	To verify that a registered user can	<ol style="list-style-type: none">1. Log in to the online doctor appointment booking	The registered user should be able to	The registered user was able to book an	pass	success

		book an appointment with a doctor.	<p>system.</p> <ol style="list-style-type: none"> 2. Navigate to the "Book Appointment" page. 3. Navigate to the "Book Appointment" page. 4. Click on the "Book Appointment" button. 	book an appointment without any errors	appointment successfully		
#004	Cancel Appointment	To verify that a registered user can cancel a booked appointment.	<ol style="list-style-type: none"> 1. Log in to the online doctor appointment booking system. 2. Navigate to the "My Appointments" page. 3. Select the appointment to cancel. 4. Click on the "Cancel Appointment" button. 	The registered user should be able to cancel a booked appointment successfully and the appointment has to be removed from their list of booked appointments.	The registered user is able to cancel a booked appointment successfully and the appointment is removed from their list of booked appointments.	pass	success

Non-Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status	Remarks
#005	Check for reactivity	Use the application in different devices and check for response	<ol style="list-style-type: none"> 1. Exploit the application in different devices. 2. Check for contrasting features and bugs 	The application should work similarly in different devices	The application is work similarly in different devices	pass	success

#006	Check the performance	Use the application without any lags and latency	1. Use the application and utilize the functions 2. Check for discrepancies	The application should handle large volume of data and its response time should be improved	The application is working properly	pass	success
#007	Check for compatibility	Use the application in various browsers	1. Exploit the application in different browsers. 2. Check if the browser is compatible or not	The application should be compatible with all browsers	The application is working fine in all browsers	pass	success

Category	Progress Against Plan	Status
Functional Testing	Green	In-Progress
Non-Functional Testing	green	In-progress

Functional	Test Case Coverage (%)	Status
User registration	100%	Completed
User Login	100%	Completed
Book Appointment	80%	In-Progress
Cancel Appointment	80%	In-Progress

Result:

Thus, the test case manual and report has been created for the “Online Doctor Appointment System”



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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	Provide the details of Architecture Design/Framework/Implementation
Name of	Roshan.A
Team	Thrideep.S , Jebarson Raj.S
Register Number	RA2111032010013
Date of Experiment	17/04/23

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	5
2	Viva	5	4
	Total	10	9

P.Goutham 24/4/2023
Staff Signature with date

Aim

To provide the details of architectural design/framework/implementation

Team Members:

S No	Register No	Name	Role
1	RA2111032010003	THRIDEEP.S	Rep/Member
2	RA2111032010013	ROSHAN.A	Member
3	RA2111032010028	JEBARSON RAJ	Member

Book An Appointment :

[APPOINTMENT](#) [CANCEL APPOINTMENT](#) [PAYMENT](#)

SEARCH DOCTOR AND MAKE A APPOINTMENT.

NAME: EMAIL/PH NO: **SUBMIT**

TREATMENT ENQUIRY: MYSELF SOMEONE

APRIL

MON 24	TUE 25	WED 26	THU 27	FRI 28	SAT 29	SUN 30
-----------	-----------	-----------	-----------	-----------	-----------	-----------

MORNING SLOTS :

10.30 AM	11.00 AM	11.30 AM
----------	----------	----------

AFTERNOON SLOTS:

12.30 PM	01.00 PM	01.30 PM	01.45 PM	02.00 PM	02.30 PM
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EVENING SLOTS:

06.00 PM	06.30 PM	07.00 PM	07.30 PM	08.00 PM	08.30 PM
----------	----------	----------	----------	----------	----------

REQUEST FOR APPOINTMENT

Cancellation Of Appointment :

APPOINTMENT CANCEL APPOINTMENT PAYMENT

UPCOMING

PAST

May
10

Timing
5:00PM

CANCEL

APPOINTMENT FOR
Orthodonist

May
16

Timing
10:00AM

CANCEL

APPOINTMENT FOR
Psychologist

May
27

Timing
3:00PM

CANCEL

APPOINTMENT FOR
General

Payment :

APPOINTMENT

CANCEL APPOINTMENT

PAYMENT



ADD PAYMENT METHOD

Add a payment method to complete payments



CREDIT OR DEBIT CARD

Use a credit or debit card to pay with automatic payments enabled



UPI /NETBANKING

Prepay your bill by making incremental UPI payments

Card Number

	8831 2731 1190 0002	03/24 082
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Name of Cardholder

Card holder's name

Result:

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

CONCLUSION

In conclusion, an online doctor appointment booking system is a convenient and efficient solution for both patients and healthcare providers. It simplifies the appointment scheduling process, saves time, and provides easy access to medical consultations. The system is designed to be user-friendly, with features such as doctor search, appointment booking, online payments, and appointment reminders. Healthcare providers can also benefit from the system by having a centralized platform to manage their appointments, optimize scheduling, and improve the overall efficiency of their practice. Overall, an online doctor appointment booking system is a valuable tool that can enhance patient experiences and improve the delivery of healthcare services.

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