

LAB REPORT

Submitted by

Sangam Smilika Reddy (RA2111032010025)

Under the Guidance of

Dr. Gouthaman. P

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**

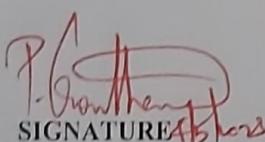
MAY 2023



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

BONAFIDE CERTIFICATE

Register No. RA2111032010025 Certified to be the
 bonafide work done by Sangam Smilika Reddy 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.


SIGNATURE





SIGNATURE

Faculty In-Charge
Dr. Gouthaman. P
 Assistant Professor
 Department of Networking and Communications
 SRM Institute of Science and Technology

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

ABSTRACT

Home health care services have become increasingly popular due to the aging population and the desire for individuals to receive care in the comfort of their own homes. This website project aims to provide a platform for individuals seeking home health care services to connect with qualified and experienced caregivers. The website will serve as a marketplace for individuals to browse through a list of caregivers, review their qualifications and experience, and ultimately hire a caregiver that meets their needs.

The website will feature a user-friendly interface that allows individuals to search for caregivers by location, availability, and specific care needs. Caregivers will be required to create a profile that includes their qualifications, certifications, and work experience. The website will also include a review system that allows individuals to rate their experience with a caregiver, providing valuable feedback for future users.

By creating a comprehensive platform that serves both individuals seeking care and caregivers, the website aims to improve the overall quality of home healthcare services and increase accessibility to those in need.

Overall, this home health care website project aims to provide a valuable resource for individuals seeking quality home health care services and caregivers looking to provide their services. The platform will promote transparency and accountability in the home health care industry, while also offering valuable resources and support for caregivers. With an easy-to-use interface and a commitment to providing exceptional care, the website will be a valuable tool for individuals and caregivers alike.

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LIST OF ABBREVIATIONS

NO	WORD	ABBREVIATION
1	TSV	TREE STRUCTURE VIEW
2	WBS	WORK BREAKDOWN STRUCTURE
3	ER	ENTITY RELATION
4	DFD	DATA FLOW DIAGRAM
5	UI	USER INTERFACE
6	SWOT	STRENGTHS, WEAKNESSES, OPPORTUNITIES AND THREATS
7	RMMM	RISK MITIGATION, MONITORING AND MANAGEMENT



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Aided to be University by Govt. of Tamil Nadu)

School of Computing

SRM IST, Kattankulathur – 603 203

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	Sangam Smilika Reddy
Team Members	K Ananya, Vaishnavi Kumari
Register Number	RA2111032010025
Date of Experiment	24-01-2023

Mark Split Up

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

P.G. Thomas
12/01/2023
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 “Home Care Services platform”

Team Members:

S. No	Register No	Name	Role
1	RA2111032010025	Sangam Smilika Reddy	Lead/Rep
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

Project Title: Home Care Services platform(NursingU)

Project Description:

- Our project name is "NursingU".
- Our project is on a Home Healthcare Support web application
- Our target audience are the people who are looking for full-time in-house or part-time healthcare attendants.
- We aim to create a website/portal where mutually beneficial interaction/deal happens directly between an attendant who is willing to provide health care and a patient in need of health care at home.
- This website will assist our patients with their daily routine and medical attention.
- It involves fast and simple attendant search, improves customer experience with feedback and chatbot, and attractive and simple UI which can be used by all age groups.

Business Case:**The Project:**

- A home attendant finding website which provides full-time or part-time or one-time assistance to patients in need.
- We aim to connect people looking for attendants or an attendant ready to assist a patient.
- In this project we will only develop the website and make it available at a nominal cost (to cover the cost of maintaining the website) from the attendants' side, i.e., the service provider, to get their profile visibility running on our website.



The History:

- Presence of websites like Wellnezzzone , Click2Clinic, etc which are quite business-minded.
- Non Availability of skilled/reliable attendants on time and at affordable costs.
- Difficult to get attendants directly without the help of portals/local agencies.
- Existing websites provide direct attendants from their side, but in our website, we are just acting as the connectivity link between attendants and patients.
- Difficult to get the proper wages for the right skill in the present scenario.

Limitations:

- It's hard to create a strong customer base.
- Capital involved in this project was the students' mental idea/ programming/ database management skills.
- Letting the website be developed and popularised slowly and steadily through word-of-mouth.

Approach:

- HTML
- CSS
- JavaScript
- Visual Studio Code.
- The development of the website is done keeping in mind the easy accessibility to anyone.
- Data integrity of both; the attendants and the patients are considered the highest priority.

Benefits:

- Helps in bringing both attendants and patients together.
- Endless search for an attendant is put to a stop.
- Maintains user confidentiality.
- Very affordable and hassle-free user experience.

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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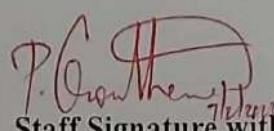
Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	2
Title of Experiment	Identification of Process Methodology and Stakeholder Description
Name of the candidate	Sangam Smilika Reddy
Team Members	K Ananya, Vaishnavi Kumari
Register Number	RA2111032010025
Date of Experiment	31-01-2023

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	RA2111032010025	Sangam Smilika Reddy	Rep/Member
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

Project Title: Home Care Services platform(NursingU)

Selection of Methodology:

- Prototype
- We would like to go with prototype methodology as we are designing the website as a demo and we want to improve our website based on the feedbacks from the clients.
- The difference between prototype and agile methodology is that in prototype methodology a model is made as the final expected output, whereas in agile methodology the development and testing will be done in different stages.
- A prototyping methodology is a solid choice as we can get feedback and we can see how the final product is coming.

Stakeholder Name	Activity/ Area /Phase	Interest	Influence	Priority (High/ Medium/ Low)
Team Members	Upskilling and application of existing skillset	High	High	1
Project Manager	Lead the team in every aspect and be completely accountable for the success and failure of the project	High	High	2
Development Lead	Improving and applying coding	High	High	3

	skills and developing an efficient web application			
Creative lead	Creating UI/UX designs by keeping in mind the latest trends	High	Medium	3
Tester	A tester checks the work of the development team before it's delivered to the customer.	Medium	Medium	5
Resource Manager	A resource manager, makes sure that the required tools for the project are in place for an efficient end product.	Medium	Medium	4
Investor	Provides all the necessary investment for the website to run	Medium	Medium	4
End User	Provides constructive criticism	Low	Low	6

Result:

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



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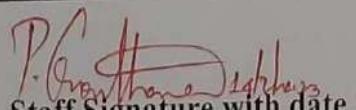
Course Code: 18CSC206J

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	Sangam Smilika Reddy
Team Members	K Ananya, Vaishnavi Kumari
Register Number	RA2111032010025
Date of Experiment	07-02-2023

Mark Split Up

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


Staff Signature with date

Aim

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

Team Members:

S No	Register No	Name	Role
1	RA2111032010025	Sangam Smilika Reddy	Rep/Member
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

Project Title: Home Care Services platform (NursingU)

System Requirements :

Processor: Intel dual-core processor

Operating system: Windows 7 or above

Ram: 4 or above

Tools: VScode, HTML, JavaScript, CSS, Python, Mysql.

Functional Requirements:

➤ Registration:

All the users will register, and the attendants will make their profiles visible to the patients.

➤ Attendants' CV:

Attendants are required to upload their CVs in order to make their qualifications visible on the website.

➤ Payment gateway:

We provide a safe payment gateway when the appointment is booked.

The attendants have to pay nominal fees to make their profile visible.

➤ **Ability to search:**

Patients can search for attendants based on their location, time, gender, etc, according to their requirements.

➤ **Add company description and logo:**

Along with the logo, we provide a brief description or introduction to the company and its fundamentals to help the user relate to and understand what we exactly do through the website.

➤ **Download CV:**

Patients can use the CV uploaded by the attendant as proof or verification of the attendant's profile and qualifications.

➤ **Retrieve Password:**

Users can change or retrieve their password in case of an authentication problem.

➤ **Update profile at any time:**

Updating profile as needed at any time.

➤ **Display highest-rated attendants:**

According to the patients' reviews and ratings, the attendant's profile will be recommended at the top of the page.

Non-Functional Requirements:

- 24 x 7 availability of services.
- Privacy and security of user data.
- Easy accessibility of the website.
- Efficient working of the website.
- Better component design to get peak performance.
- The web application should be compatible with all smart devices.

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	Sangam Smilika Reddy
Team Members	Vaishnavi Kumari, K Ananya
Register Number	RA2111032010025
Date of Experiment	09-02-2023

Mark Split Up

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

Sl No	Register No	Name	Role
1	RA2111032010025	Sangam Smilika Reddy	Lead
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

1. Project Management Plan

Focus Area	Details
Integration Management	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 Activities and Sub-Tasks
Schedule Management	Define Milestones Schedule Control
Cost Management	Estimate Effort Assign Team
Resource Management	Estimate and Manage the need People: People & Skills Required Finance: Budget Required
Stakeholder	Identifying, Analyzing, Engaging Stakeholders
Communication Management	Determine communication requirements, roles and responsibilities, tools and techniques.
Risk Management	Identifying, analyzing, and prioritizing project risks

2. Estimation

2.1. Effort and Cost Estimation

Activity Description	Sub-Task	Sub-Task Description	Effort (in hours)	Cost in INR
Design the user screen	E1R1A1T1	Design login screen which includes sign-up	3	1500
	E1R1A1T2	Design Home screen	2	1000
	E1R1A1T3	Design CV Upload/edit screen	1	500
	E1R1A1T4	Design payment screen	2	1000
	E1R1A1T5	Design profile visibility screen	2	1000
	E1R1A1T6	Design Database for attendants	2	1000
	E1R1A1T7	Design database for users	2	1000
Testing the user screen	E2R2A2T1	Testing each and every functionality	5	2500
				9500

Effort (hr)	Cost (INR)
1	500

2.2. Infrastructure/Resource Cost [CapEx]

Infrastructure Requirement	Qty	Cost per qty	Cost per item
Laptop	3	Rs.70,000/-	Rs.210,000/-
Smartphone	1	Rs.20,000/-	Rs.20,000/-
Office setup	1	Rs.10,000/-	Rs.10,000/-

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	1,000,000	3,000,000
License	Operating System Database Middleware IDE	10	10000	100,000
Infrastructures	Server, Storage and Network	20	50,000	1,000,000

3. Project Team Formation

3.1. Identification Team members

Name	Role	Responsibilities
Sangam Smilika Reddy	Key Business User (Product Owner)	Provide clear business and user requirements
K Ananya	Project Manager	Manage the project
Vaishnavi Kumari	Business Analyst	Discuss and Document Requirements
Sangam Smilika Reddy	UX Designer	Design the user experience
Vaishnavi Kumari	Technical Lead	Design the end-to-end architecture
K Ananya	Frontend Developer	Develop user interface
Sangam Smilika Reddy	Backend Developer	Design, Develop and Unit Test Services/API/DB
Vaishnavi Kumari	Cloud Architect	Design the cost-effective, highly available and scalable architecture
K Ananya	Cloud Operations	Provision required Services
K Ananya	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 Developer	I	R	C/I	A
Backend Developer	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.



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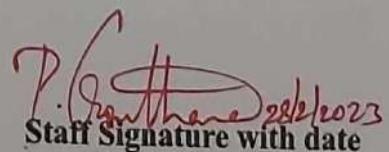
Course Code: 18CSC206J

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	Sangam Smilika Reddy
Team Members	K Ananya, Vaishnavi Kumari
Register Number	RA2111032010025
Date of Experiment	21-02-2023

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	4
2	Viva	5	4
	Total	10	8


P. Senthil Kumar
28/2/2023

Staff Signature with date

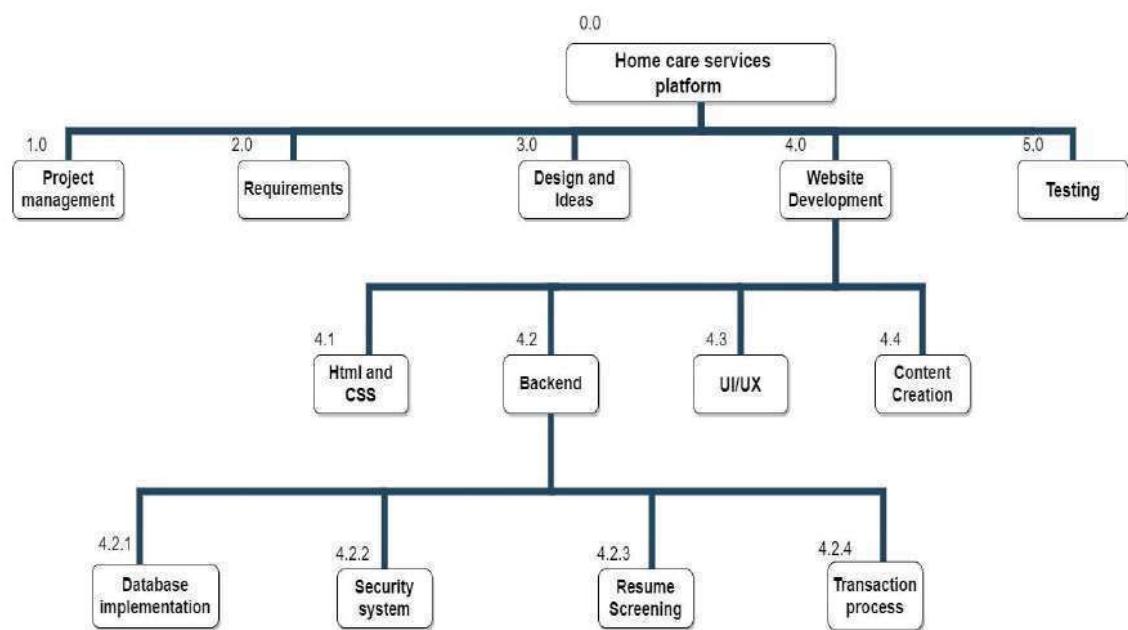
Aim

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

Team Members:

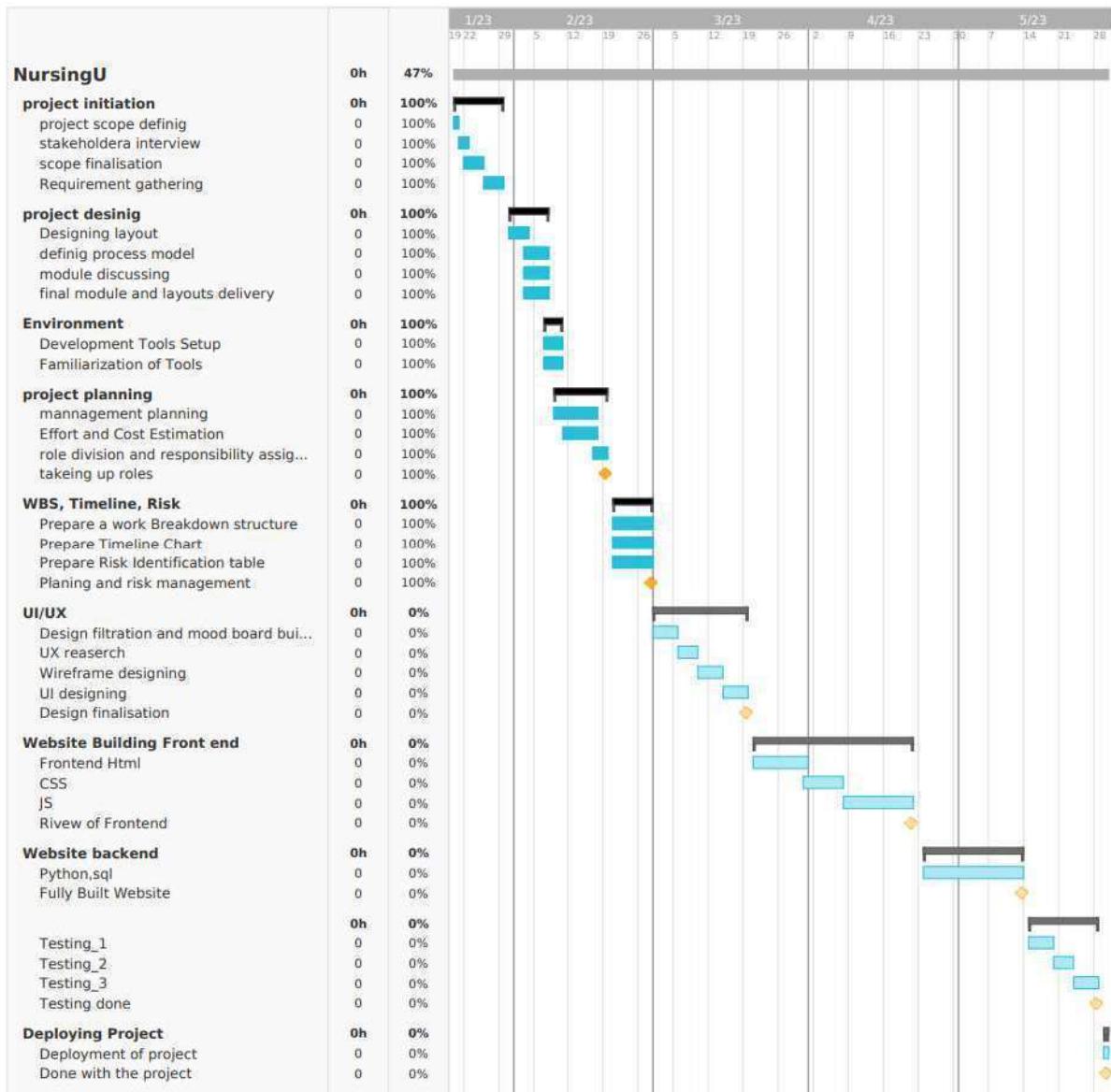
SI No	Register No	Name	Role
1	RA2111032010025	Sangam Smilika Reddy	Rep
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

Work Breakdown Structure



- ▶ 0.0 Home care services platform
- ▶ 1.0 Project Management
- ▶ 2.0 Requirements
- ▶ 3.0 Design and ideas
- ▶ 4.0 Website Development
 - 4.1 HTML and CSS
 - 4.2 Backend
 - 4.2.1 Database Implementation
 - 4.2.2 Security system
 - 4.2.3 Resume screening
 - 4.2.4 Transaction process
 - 4.3 UI/UX
 - 4.4 Content Creation
- ▶ 5.0 Testing

TIMELINE – GANTT CHART



RISK ANALYSIS – SWOT & RMMM



RISK MANAGEMENT FRAMEWORK

Level of Risk	Description	Likelihood	Impact	RMMM Plan
High	Security violation	High	High	Regular security checks and updates, encryption of data
Low	Labour shortage	Medium	Medium	Upskilling of the team, regular recruitment
Medium	Website failure	Medium	Medium	Regular updates and

				maintenance, back-up systems
Medium	Unable to follow the deadline	Medium	Medium	Effective planning, upskilling the team

Result:

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



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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	Sangam Smilika Reddy
Team Members	Vaishnavi Kumari, K Ananya
Register Number	RA2111032010025
Date of Experiment	28-02-2023

Mark Split Up

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

P. Goutham
28/03/2023
Staff Signature with date

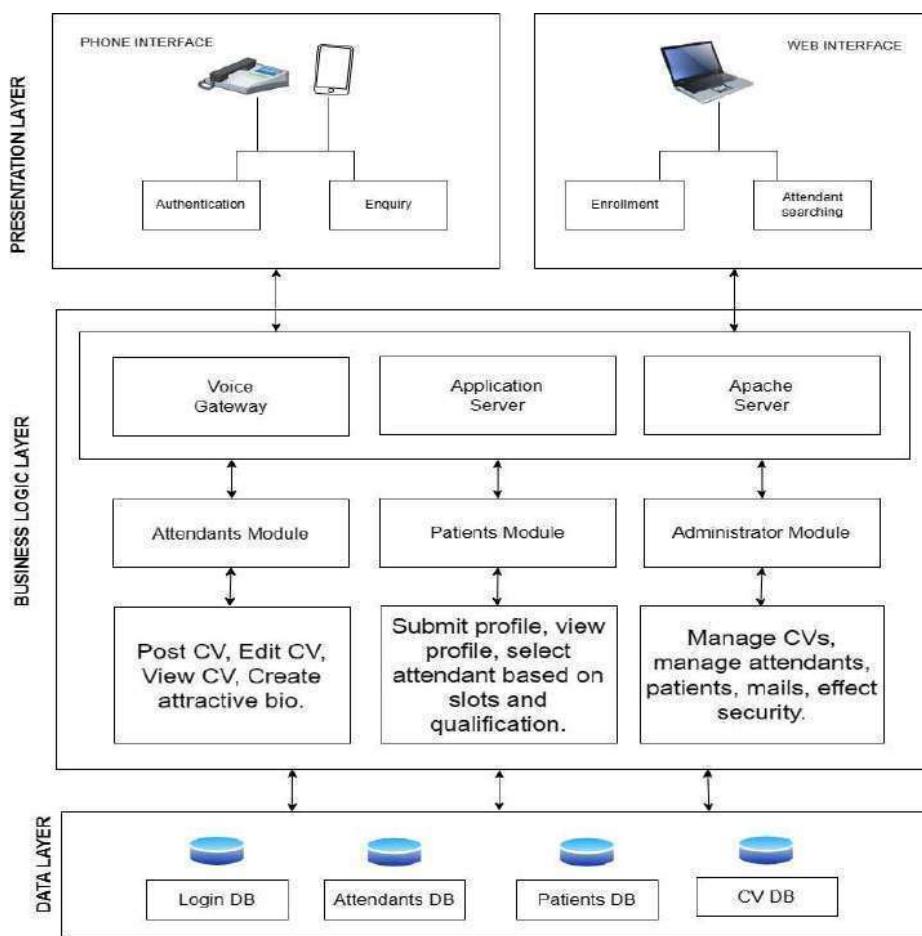
Aim

To Design a System Architecture, Use case and Class Diagram

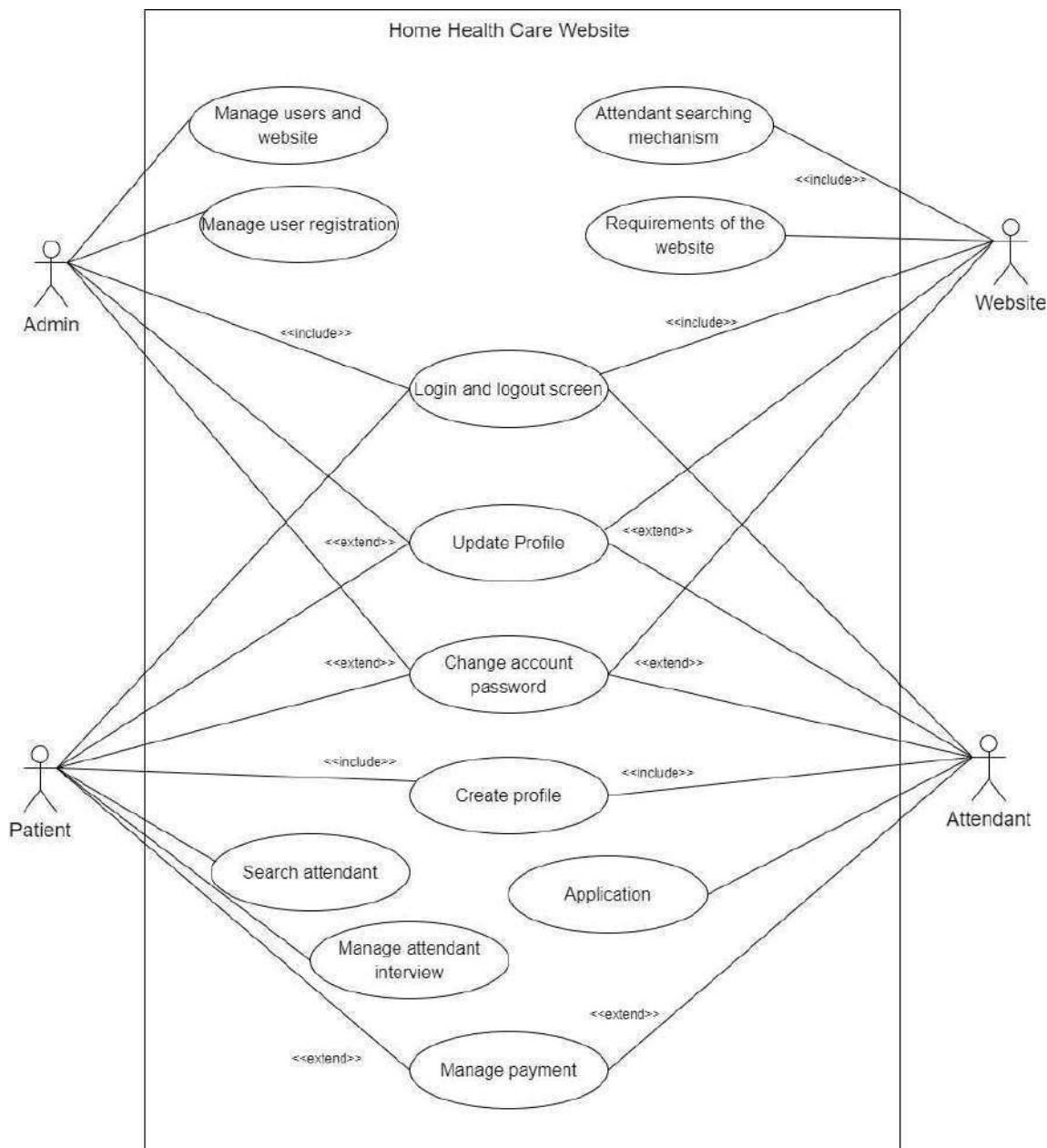
Team Members:

Sl No	Register No	Name	Role
1	RA2111032010025	Sangam Smilika Reddy	Rep
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

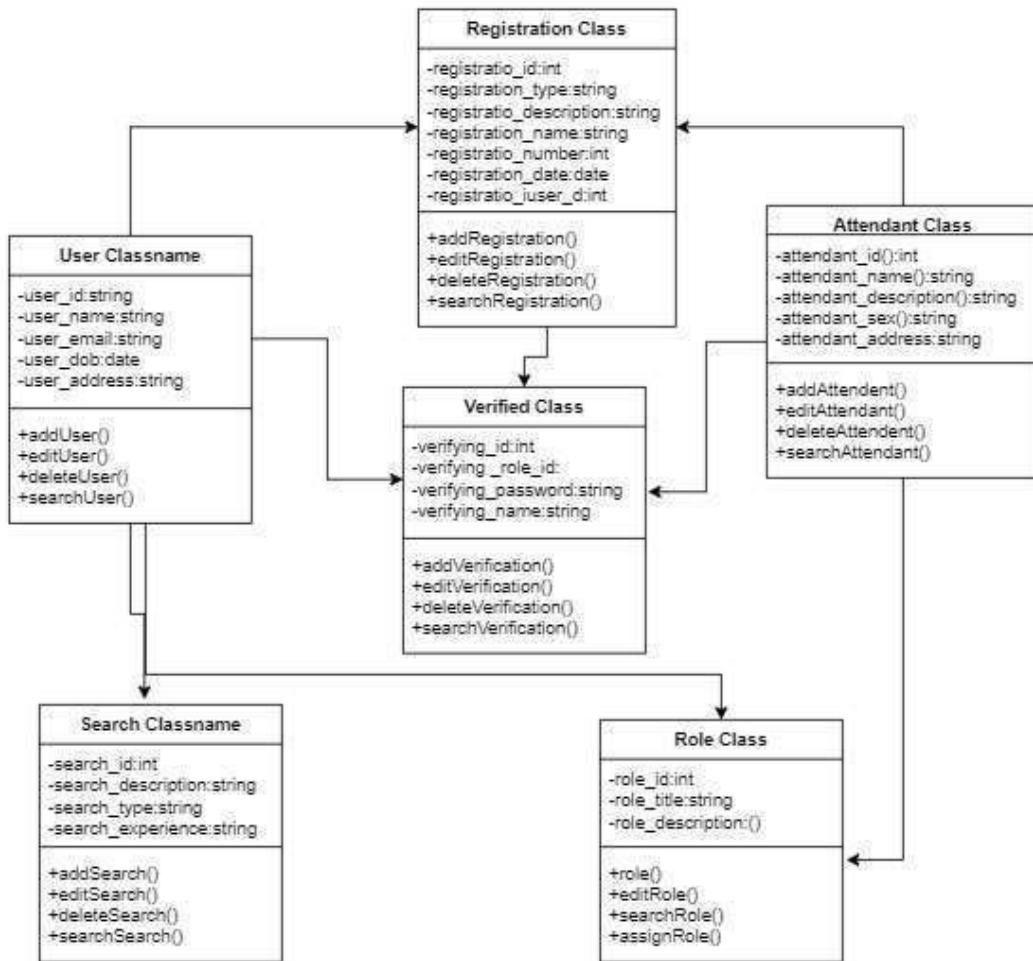
SYSTEM ARCHITECTURE:



USE CASE DIAGRAM:



CLASS 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 a Entity relationship diagram
Name of the candidate	Sangam Smilika Reddy
Team Members	Vaishnavi Kumari, K Ananya
Register Number	RA2111032010025
Date of Experiment	07-03-2023

Mark Split Up

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

Staff Signature with date

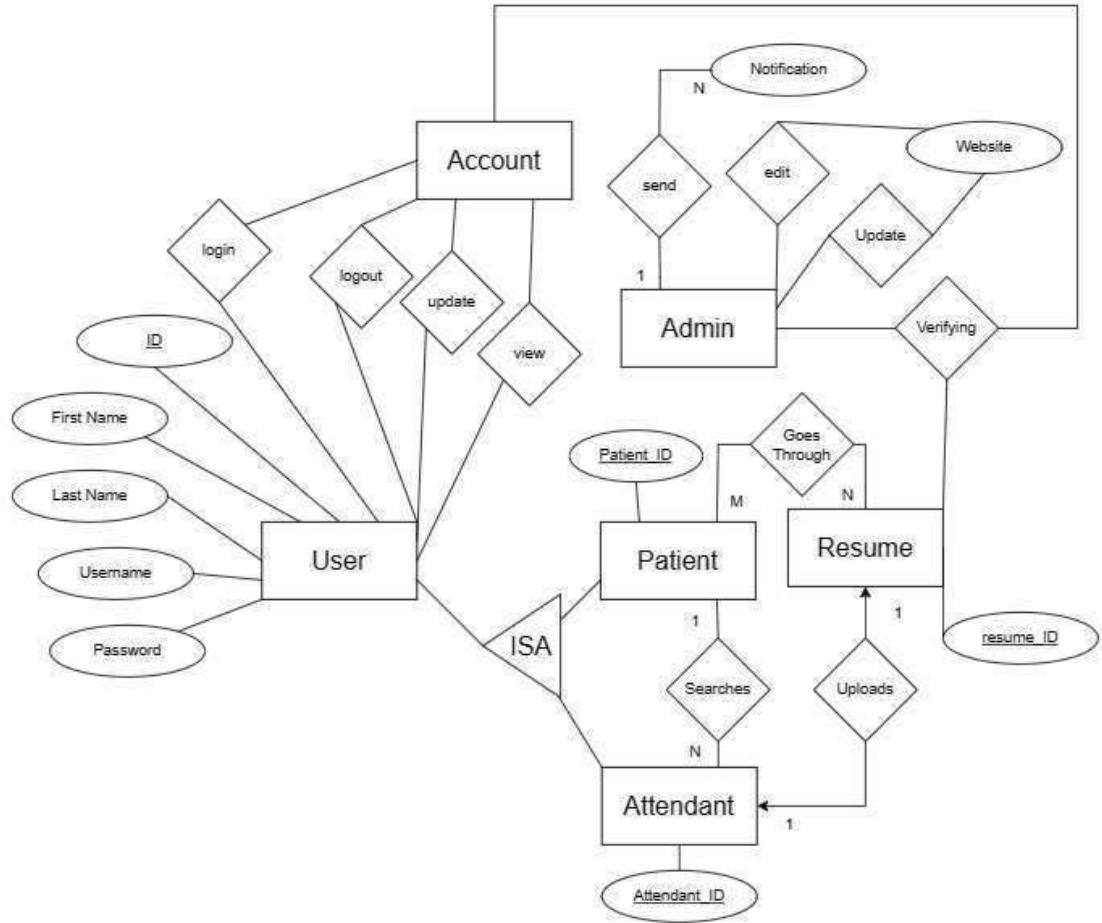
Aim

To create the Entity Relationship Diagram

Team Members:

S No	Register No	Name	Role
1	RA2111032010025	Sangam Smilika Reddy	Rep
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

ER Diagram



Result:

Thus, the entity relationship diagram was created successfully.



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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	Sangam Smilika Reddy
Team Members	Vaishnavi Kumari , K Ananya
Register Number	RA2111032010025
Date of Experiment	15-03-2023

Mark Split Up

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

P. G. Gowtham
23/3/2023
Staff Signature with date

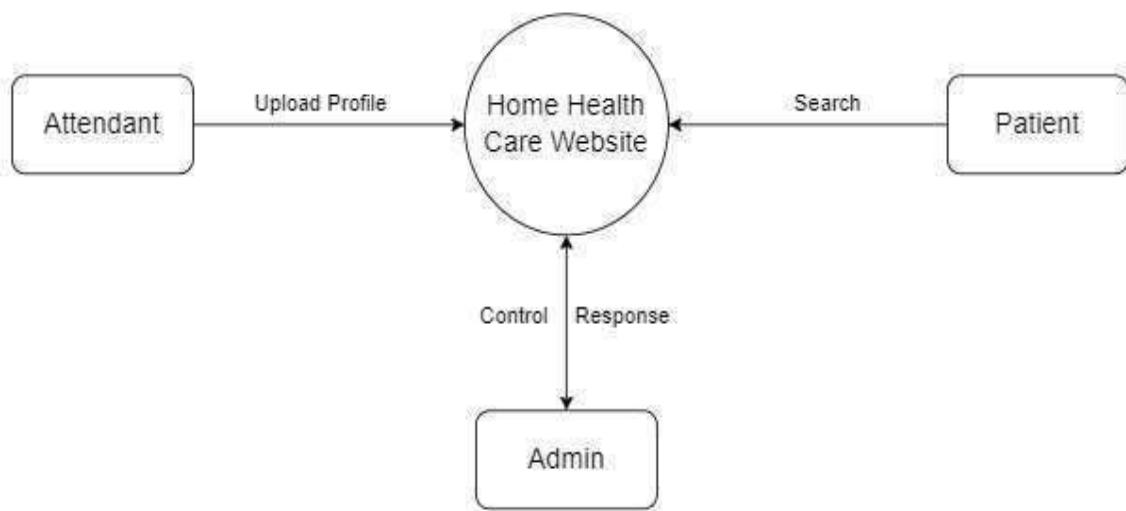
Aim

To develop the data flow diagram up to level 1 for the Home Care Services platform.

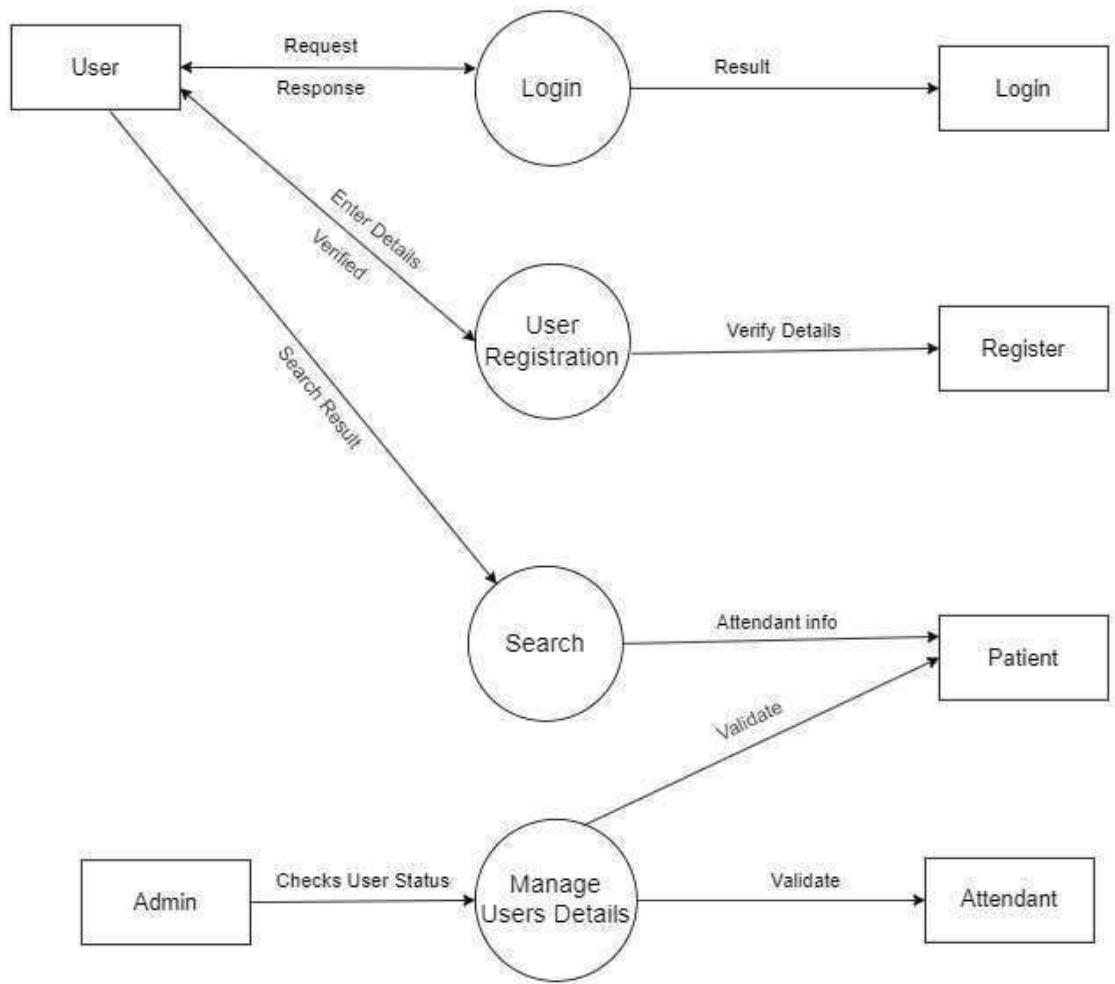
Team Members:

S No	Register No	Name	Role
1	RA2111032010025	Sangam Smilika Reddy	Rep
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

Data Flow Diagram Level 0



Data Flow Diagram Level 1



Result:

Thus, the data flow diagrams have been created for the Home Care Services platform.



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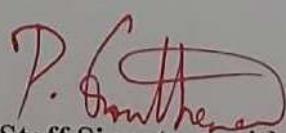
Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	9
Title of Experiment	Design a Sequence and Collaboration Diagram
Name of the candidate	Sangam Smilika Reddy
Team Members	Vaishnavi Kumari, K Ananya
Register Number	RA2111032010025
Date of Experiment	23-03-2023

Mark Split Up

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

 30/3/2023
Staff Signature with date

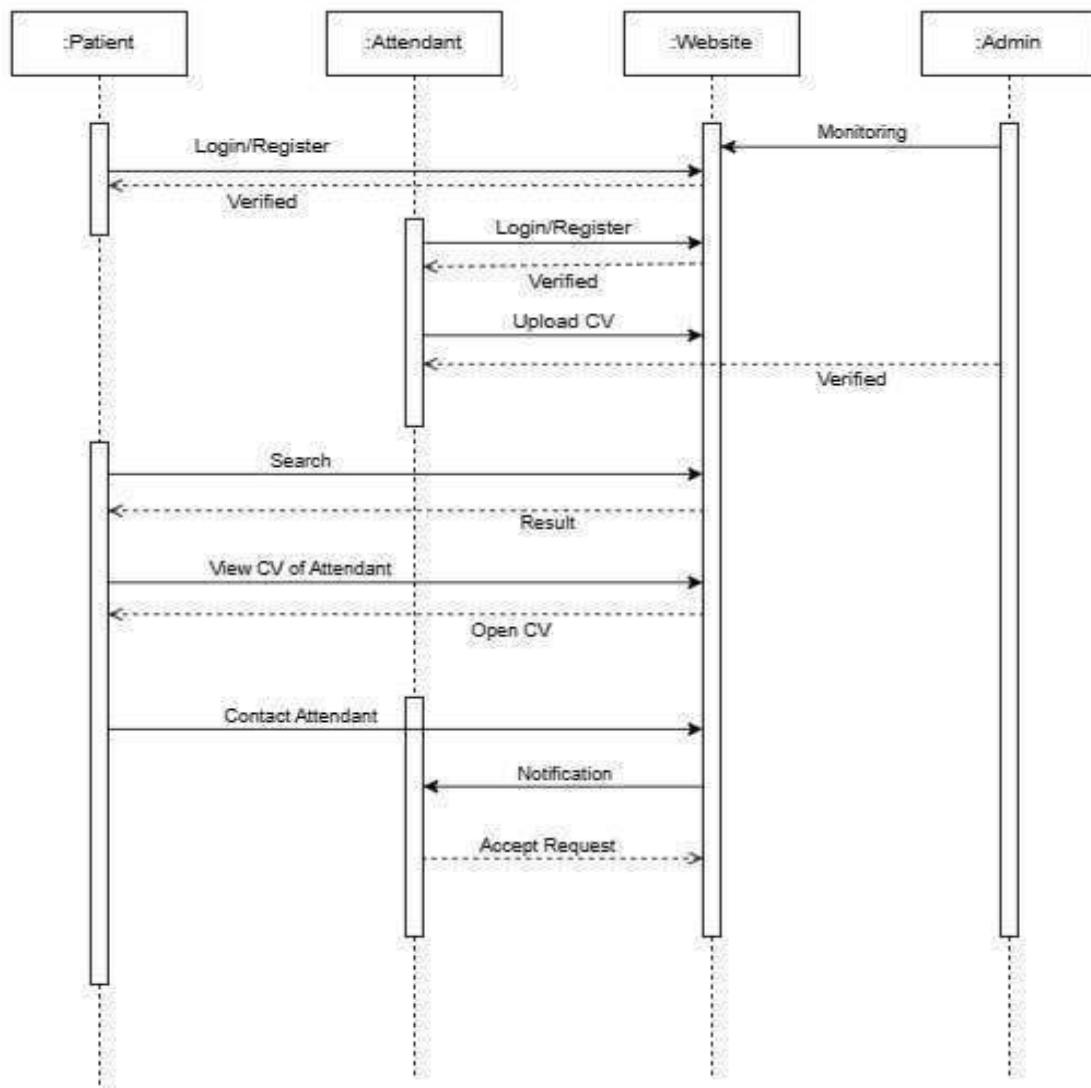
Aim

To create the sequence and collaboration diagram for the Home Care Services platform

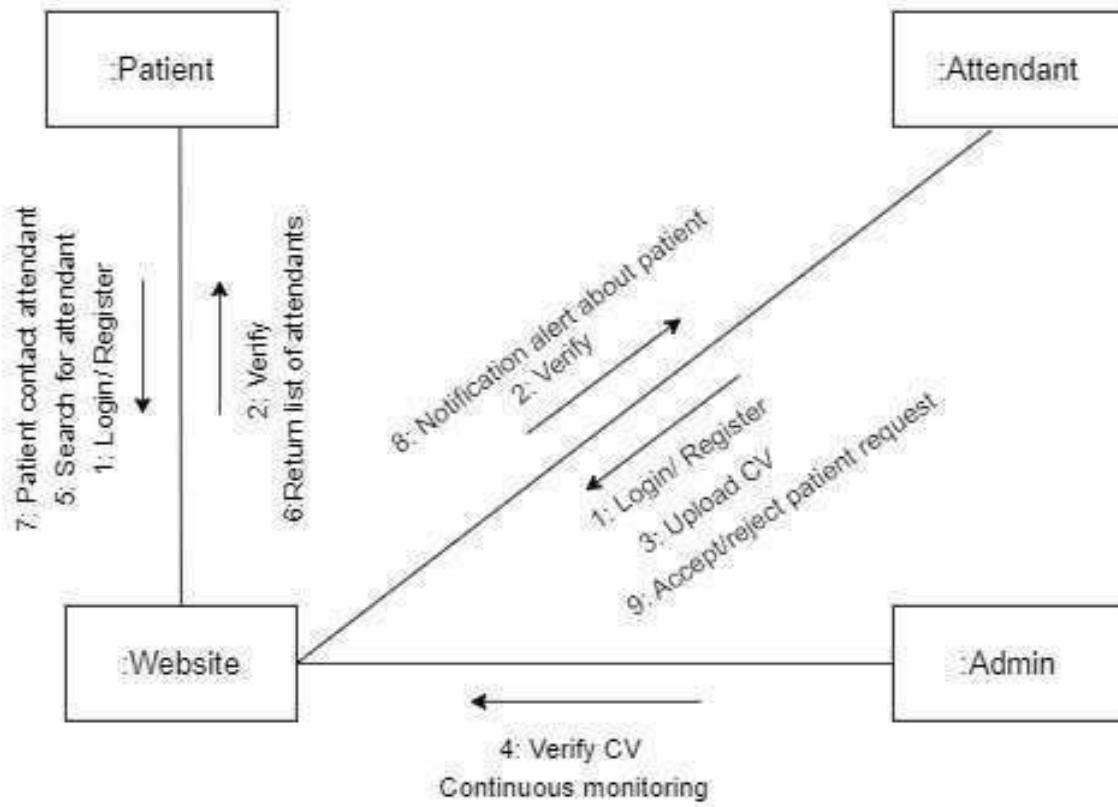
Team Members:

S No	Register No	Name	Role
1	RA2111032010025	Sangam Smilika Reddy	Rep/Member
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

Sequence Diagram:



Collaboration Diagram:



Result:

Thus, the sequence and collaboration diagrams were created for the Home Care Services platform.



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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	Sangam Smilika Reddy
Team Members	Vaishnavi Kumari, K Ananya
Register Number	RA2111032010025
Date of Experiment	30-03-2023

Mark Split Up

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

P. Gautham
Staff Signature with date
6/3/2023

Aim

To develop the testing framework and/or user interface framework for the Home Care Services platform

Team Members:

S No	Register No	Name	Role
1	RA2111032010025	Sangam Smilika Reddy	Rep/Member
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

Executive Summary

The Home Health Care Website is a complete tool aimed at connecting patients with their attendants in an easy-to-use and approachable way. The website includes various tools and resources to make caregiving easier and more effective for patients.

Patients can simply establish a profile on the website and search for an attendant according to the details, like medical conditions, medications, and treatment choices. They can also use the website's messaging function to connect with their attendants and converse with them in real-time. Attendants, on the other hand, can use the website to organize their caregiving schedules, obtain patient medical information, and monitor the development of their patients.

- The website stands as an intermediary between the patients and the attendants.
- Attendants can upload their CVs.
- It manages the details of attendants, patients, messages, and searches for attendants.
- It reduces the manual work for managing interviews or searching for attendants from hospitals online.

Test Plan

Scope of Testing

Functional

Category	Methodology	Tools Required
Login Module	Automated	Selenium
Registration Module	Automated	Selenium
CV Upload	Automated	Selenium
Payment Gateway	Automated	Dwolla

Non - Functional

Category	Methodology	Tools Required
Security	Automated tools	SSL Server, sucuri, intruder
Portability	Manual/Automated tools	Loadero
Accessibility	Automated Tool	Wave

Result:

Thus, the testing framework/user interface framework has been created for the Home Care Services platform.



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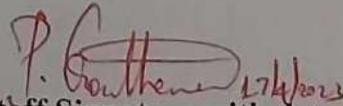
Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	11
Title of Experiment	Test Cases & Reporting
Name of the candidate	Sangam Smilika Reddy
Team Members	K Ananya, Vaishnavi Kumari
Register Number	RA2111032010025
Date of Experiment	06-04-2023

Mark Split Up

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


P. Govthene 17/4/2023
Staff Signature with date

Aim

To develop the test cases manual with manual test case report for the Home Care Services platform

Team Members:

S No	Register No	Name	Role
1	RA2111032010025	Sangam Smilika Reddy	Rep
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

Test Case

Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status	Remarks
T.1	Verify User Registration	Login	1. User clicks on User Registration link 2. Enter the email id, password, name, age, contact number, and gender 3. Click Register button	User should be taken to the next page to enter more user details	User is taken to the next page for entering more user details	Pass	Success
T.2	Login to Dashboard	Enter given mail id, password and login	1. User clicks on login button 2. Enters mail id and password 3. Click Login button	User should be taken to dashboard of the user	User is taken to dashboard of the user	Pass	Success
T.3	Uploading CV	Verify that the CV or Resume is uploaded	1. User clicks on Upload button 2. Drag and drop CV 3. Click on Upload button	User should be able to upload CV	User is able to upload CV	Pass	Success

T.4	Profile making by the attendant	Verify that the attendant profile is created	User clicks on “Add profile”, and enters his/her details	The attendant should be able to create his/her profile.	The attendant is able to create his/her profile.	Pass	Success
T.5	Payment Gateway	Verify that user can pay or receive money	Users should be able to pay through the payment gateway	User should be able to pay the amount	User is able to do the payments.	Pass	Success

Non-Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status	Remarks
T.1	Security	Accept only registered users	Users enter a valid email id and password	It should open the user account	It opens the user account	Pass	Success
T.2	Recovery of user credential	Providing “forgot password” option	1. User clicks on “forgot password” 2. Checks the email id for OTP and set a new password 3. Enters new password 4. Clicks login	A new window should appear for setting new password	A new window appears for setting new password	Pass	Success
T.3	Scalability	Providing limited storage	Maintaining a high cloud storage	Maintain enough storage for all the functions	Provides enough storage for all the functions	Pass	Success

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

Functional	Test Case Coverage (%)	Status
Front end	60%	In-Progress
Upload CV	60%	In-Progress
Data Base	60%	In-Progress
Back end	30%	In-Progress

Non-Functional	Test Case Coverage (%)	Status
Response time	50%	In-Progress
Updating Time	40%	In-Progress

Result:

Thus, the test case manual and report has been created for the Home Care Services platform.



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Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	12
Title of Experiment	Provide the details of Architecture <u>Design/Framework/Implementation</u>
Name of the candidate	Sangam Smilika Reddy
Team Members	K Ananya, Vaishnavi Kumari
Register Number	RA2111032010025
Date of Experiment	17-04-2023

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	5
2	Viva	5	3.0
Total		10	9

P. G. Muthu
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	RA2111032010025	Sangam Smilika Reddy	Rep/Member
2	RA2111032010011	K Ananya	Member
3	RA2111032010017	Vaishnavi Kumari	Member

Architectural Design:

Homepage Design:



About Us

What this website is all about?

We, as a team, create a portal where mutually beneficial interaction happens directly between the attendant and patient.

To begin with only the service of providing Bed Side Assistance (BSA) to elderly people is being contemplated and based on feedback more and more day to day services can be enlisted and scaled up.

What does the website gain from this monetarily?

Minimal monetary

This website has been conceived purely as a social sector project where the effort is to fill an existing vacuum.

In our website, we focus on individuals. There is no website over-run time and over-run issues.



Attendant list page Design:

The screenshot displays a web page titled "Attendants Available". At the top right are navigation links for "Home", "Testimonials", and a user profile for "Smilka". Below the title is a grid of seven circular attendant profiles, arranged in two rows of four and one row of three. Each profile includes a photo, name, age, and experience.

Name	Age	Experience
Maya	27	5+ yrs
Sara	26	3+ yrs
Mike	28	5+ yrs
Zara	30	6+ yrs

Attendant Bio page Design:

The screenshot shows the "BIO" section for Maya. It features her profile picture, basic information (Name: Maya, Age: 27, Experience: 5+ yrs), a bio text area with placeholder text, and a "Download CV" button.

BIO

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[Download CV](#)

Result:

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

CONCLUSION

In conclusion, the home health care website project aims to provide a comprehensive platform for individuals seeking quality home health care services and caregivers looking to provide their services. By creating a user-friendly interface, offering a review system for caregivers, and providing valuable resources for both individuals and caregivers, the website will promote transparency and accountability in the home health care industry.

The aging population and the desire for individuals to receive care in the comfort of their own homes make home health care services increasingly important. The website's search functionality will allow individuals to find caregivers based on location, availability, and specific care needs, while caregivers can showcase their qualifications, certifications, and work experience.

Overall, this project will improve the accessibility and quality of home health care services and offer support for caregivers. As a result, individuals in need of care will have a reliable and easy-to-use platform to find qualified caregivers, and caregivers will have access to valuable resources and support. This home health care website project has the potential to make a significant impact on the home health care industry, ultimately improving the quality of life for individuals in need of care.

REFERENCES

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