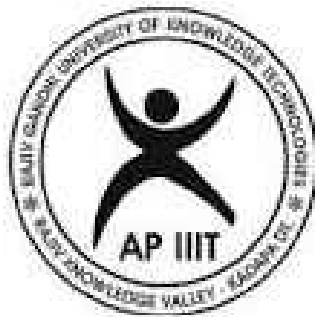


OLD AGE HOME MANAGEMENT SYSTEM

Bachelors of Technology
in
Computer Science and Engineering



Rajiv Gandhi University of Knowledge Technologies
RK Valley

Submitted by

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DECLARATION

We hereby declare that the report of the B.Tech Mini Project Work entitled “OLD AGE HOME MANAGEMENT SYSTEM” which is being submitted to Rajiv Gandhi University of Knowledge Technologies, RK Valley, in partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in Computer Science and Engineering, is a bonafide report of the work carried out by us. The material contained in this report has not been submitted to any university or institution for award of any degree.

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RAJIV GANDHI UNIVERSITY OF KNOWLEDGE AND TECHNOLOGIES

(A.P.Government Act 18 of 2008)

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CERTIFICATE FOR PROJECT COMPLETION

This is certify that the project entitled “OLD AGE HOME
MANAGEMENT SYSTEM” submitted by L NagaSireesha

(R170230),A.HimaBindhu (R170281), D.ChandraKala (R171041) under
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Bachelor of Technology in Computer Science and Engineering during the
academic semester - 2 2022-2023 at RGUKT, RK VALLEY. To the best of
my knowledge, the results embodied in this dissertation work have not
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INDEX

1. abstract.	5
2. Introduction.	6
2.1. purpose.	
2.2. 2.2 Intended Audience.	
2.3 Product Vision.	
2.4 Technologies.	
3. System in Context.	10
3.1 Context Diagram.	
4. System-Wide Requirements.	12
5. Function Requirements.	15
5.1 Use Case Diagram.	
5.2 Use Case Overview.	
5.3 Use Case Specifications.	
6. ER Diagram.	21
7. Agile Development.	22
7.1 what is Agile?	
7.2 Agile Methodology.	
8. How to develop a Project using Agile Methodology.	24
9. Web pages.	26
10. Conclusion	30
11 References.	30

1. ABSTRACT

“OLD AGE HOME MANAGEMENT SYSTEM” is newly developed web application. It provides an end-to-end smart web application for old age people and old age homes. This application is helpful for old age homes for keeping records of senior citizens who live in the old age home. Each elderly people assign a registration number through which person’s detail find so easily. These senior citizens details are stored in the database. and users allowed to raise their queries to the admin without login into the website. This web application contains all the information about the old age home like rules, eligibility details and contact details of old age home and services provided by the old age home.

OAHMS SRS DOCUMENT

2. Introduction.

This document has the requirements and specifications of OAHMS software. The OAHMS web application is helpful for managing the data of senior citizens lived in the old age home and it also provides the information about the old age home.

2.1: Purpose

The purpose of this document is to gather the requirements that are needed for implementing the OAHMS web application. It also focuses on various key features, the product, product vision and scope, product overview. The main purpose of OAHMS web application is to provide a platform to manage senior citizens' data lived in the old age home, then it will be easy to identify the people in the old age home. This platform also provides the details of old age home, which is useful for the outsiders, who are willing to join in the old age home.

2.2: Intended Audience

The intended audience will be the old age home administrator, who can access the platform to enter details of every senior citizen joined in the old age home like senior citizen name, joining time, Address, emergency mobile number, etc.....

Users:

1. old age home administrator.
2. people, those who want to know about the old age home. 6

2.3: Product Vision

The product vision is to develop a platform to store details of every senior citizen lived in the old age home. which is user friendly and easily accessible. This OAHMS web application provide the details about the old age home, so people who want to admit their parents or eldes in the old age home, they can easily verify the all the rules, facilities provided in the old age home through this web application without login into the web application.

2.4: Technologies

- HTML
- CSS
- JAVASCRIPT
- AJAX
- JQUERY
- PHP
- MYSQL

HTML:

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content

- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

JavaScript:

JavaScript (js) is a light-weight object-oriented programming language which is used by several websites for scripting the webpages. It is an interpreted, full-fledged programming language that enables dynamic interactivity on websites when applied to an HTML document. It was introduced in the year 1995 for adding programs to the webpages in the Netscape Navigator browser. Since then, it has been adopted by all other graphical web browsers. With JavaScript, users can build modern web applications to interact directly without reloading the page every time. The traditional website uses js to provide several forms of interactivity and simplicity.

CSS:

- CSS stands for Cascading Style Sheets.
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media.
- CSS saves a lot of work. It can control the layout of multiple web pages all at once.
- External stylesheets are stored in CSS files.

PHP:

- PHP stands for Hypertext Preprocessor.
- PHP is an interpreted language, i.e., there is no need for compilation.
- PHP is faster than other scripting languages, for example, ASP and JSP.
- PHP is a server-side scripting language, which is used to manage the dynamic content of the website.
- PHP can be embedded into HTML.
- PHP is an object-oriented language.
- PHP is an open-source scripting language.
- PHP is simple and easy to learn language

SQL:

- SQL stands for Structured Query Language. It is used for storing and managing data in relational database management system (RDMS). It is a standard language for Relational Database System. It enables a user to create, read, update and delete relational databases and tables.
- All the RDBMS like MySQL, Informix, Oracle, MS Access and SQL Server
- use SQL as their standard database language.
- SQL allows users to query the database in a number of ways, using English-like statements.

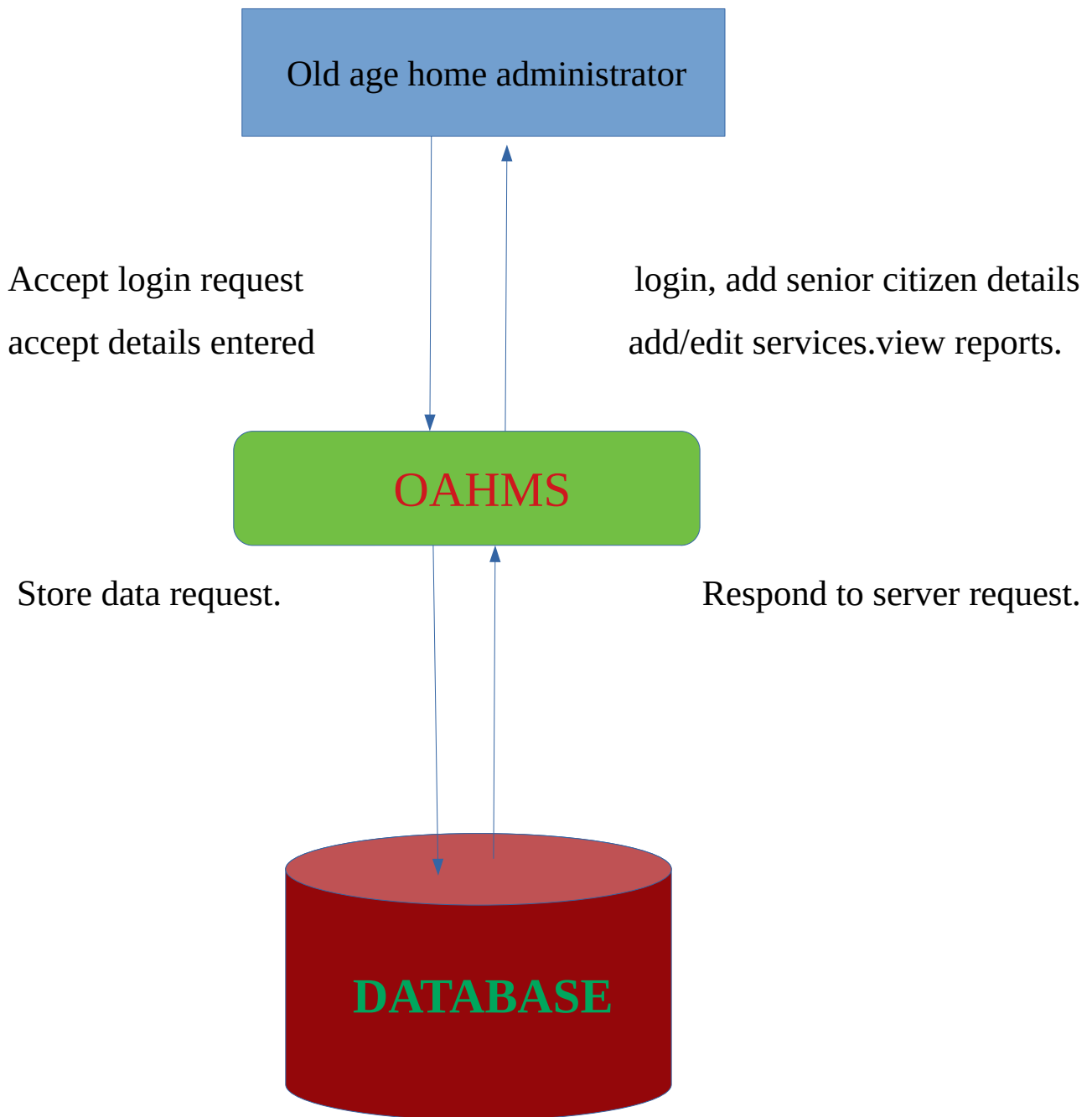
Jquery:

jQuery is a small, light-weight and fast JavaScript library. It is cross-platform and supports different types of browsers. It is also referred as ? write less do more? because it takes a lot of common tasks that requires many lines of JavaScript code to accomplish, and binds them into methods that can be called with a single line of code whenever needed. It is also very useful to simplify a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

3. System in Context:

It is an automated web application which maintains the details of the senior citizens who joined in the old age home. The details are like first name, last name of the senior citizen, address, emergency phone number, profile photo, joining date and time and registration number. And this web application provides the details of the old age home like the rules and regulations of the old age home, eligibility criteria and service provided in the old age home.

3.1. context diagram.



4. System wide Requirements:

Actors:

The system interacts with two users that is old age home administrator and application user. The administrator has functions to access the data within the database and able to edit and add the data into the database. The application user is not able to login into the application, he/she can only visit the web application and view the details of old age home.

Events:

OAHMS Platform has two modules. Admin and user.

Admin module:

- 1. Dashboard:** In this section, the admin can see all detail in brief like the total number of services, Total number of senior citizens, total number of unread enquiries received and the total number of unread enquiries.
- 2. Pages:** In this section, admin can manage about us, contact us pages, rules and eligibility.
- 3. Services:** In this section admin can manage services(add/update/delete).
- 4. SC(Senior Citizen)Details:** In this section, the admin can manage the detail of the senior citizen(add/update/delete) who lived in an old age home.
- 5. Enquiry:** In this section, admin can read a new enquiry(unread enquiry) and view the read enquiry(read enquiry).
- 6. Search:** In this section, admin can search senior citizen details with the help of his/her registration number.

7.Reports: In this section admin can view senior citizen details in particular periods.

Admin can also update his profile, change password and recover password.

User Module

In OAHMS users have to do the following activities.

1. Home Page: welcome page of the web Application

2. Services: User views the services which offer by the old age home.

3. Eligibility: The user views the eligibility criteria for an old age home.

4. Rules: the user views the rules for the old age home.

5. About Us: The user sees the detail of the old age home.

6. Contact Us: The user can contact with old age home.

The below table provides a set of user visible events that define the functionalities that are in OAHMS.

	Actor	Action	Object	frequency	Arrival pattern	response
1	Old age home administrator	Onclick	login	No limit	Episodic	It asks username and password.
2	Old age home administrator	Onclick	Forgot password	No limit	Episodic	It asks gmail address and after successful verification of gmail address it asks for new password.

3	Old age home administrator	Onclick	Dashboard	No limit	Episodic	It shows the list of organized details like total services, total no.of senior citizens, and count of unread enquiry, read enquiries.
4	Old age home administrator	Onclick	Add services	No limit	Episodic	You have to enter service name and service description.
5	Old age home administrator	Onclick	Manage services.	No limit	Episodic	You can view all services and you can also edit or delete the listed services.
6	Old age home administrator	Onclick	Add senior citizen.	No limit	Episodic	You have to enter the details of senior citizen like name, mobile number, address etc..
7	Old age home administrator	Onclick	Manage senior citizen details.	No limit	Episodic	You can see the all the list of senior citizens , and you can also edit the details.
8	Old age home administrator	Onclick	Unread enquiry	No limit	Episodic	Here you can see the all unread enquiries raised by the user.
9	Old age home administrator	Onclick	Read enquiry	No limit	Episodic	Here you can see the all read enquiries raised by the user.
10	Old age home administrator	Onclick	b/w date report	No limit	Episodic	It asks to enter the from date and to date, then it shows the list

	or					of senior citizens joined in those dates.
11	Old age home administrator	Onclick	search	No limit	Episodic	Here it asks to enter registration number of the senior citizen.
12	Old age home administrator	Onclick	profile	No limit	Episodic	Here it shows the details of the admin
13	Old age home administrator	Onclick	logout	No limit	Episodic	It successfully logged out the admin from the web page.

5. Functional Requirements

5.1. Use case review :

s.no	Use-case id	Use-case name	priority	stability	verifiable
1	UC-OAH-DB	Dashboard.	High.	Not stable.	Verified.
2	UC-OAH-AS	Add service.	High.	Stable.	Verified.
3	UC-OAH-ASC	Add senior citizen.	High.	Stable.	Verified.
4	UC-OAH-RE	Read enquiry.	High.	Not stable.	Verified.
5	UC-OAH-REP	b/w dates report.	High.	Not stable.	Verified.
6	UC-OAH-SRCH	Search.	High.	Stable.	Verified.

1. UC-OAH-DB: Dashboard

UC-OAH-DB: Dashboard	
Description:	User clicks on dashboard from side bar
Pre-conditions:	1.User must login to the OAHMS . 2.User must click on dashboard.
Success guarantee(post-condition)	On clicking the dashboard user should get the count of visitors since from the installation,since from the last week,since from yesterday and today's count.
Main Success Scenario:	1.User access the oahMS . 2.User selects dashboard. 3.He/She gets count of visitors.
Extentions (or alternate flows)	Automatically on logging into the website it shows the dashboard contents without click on to the dashboard.
Frequency of occurrence	Very high.
Frequency of use:	High.

UC-OAH-AS: Add service:

UC-OAH-DB: Add service.	
Description:	User clicks on the add visitor tab on the sidebar.
Pre-conditions:	1.User must login to the OAHMS . 2.User must click on add service.
Success guarantee(post-condition)	On clicking on the add service, admin should able to enter new service name and description of the service.

Main Success Scenario:	1.User login to the OAHMS 2.User selects add service. 3.Now user should be able to enter the details of the new service.
Extentions (or alternate flows)	If the user did not click on the submit button then the entered details may be lost
Frequency of occurrence	Very high.
Frequency of use:	High.

UC-OAH-ASC: Add senior citizen

UC-OAH-DB: Add senior citizen.	
Description:	User clicks on the add senior citizen tab on the sidebar.
Pre-conditions:	1.User must login to the OAHMS . 2.User must click on add senior citizen.
Success guarantee(post-condition)	On clicking on the add senior citizen, admin should able to enter new senior citizen name and details of the person
Main Success Scenario:	1.User login to the OAHMS 2.User selects add senior citizen. 3.Now user should be able to enter the details of the new senior citizen.
Extentions (or alternate flows)	If the user did not click on the submit button then the entered details may be lost
Frequency of occurrence	Very high.
Frequency of use:	High.

UC-OAH-RE : read enquiry:

UC-OAH-DB: read enquiry	
Description:	User clicks on the read enquiry tab on the sidebar.
Pre-conditions:	1.User must login to the OAHMS . 2.User must click on read enquiry tab.
Success guarantee(post-condition)	On clicking on the read enquiry, admin should able to view the query raised by the user.
Main Success Scenario:	1.User login to the OAHMS 2.User selects read enquiry. 3.Now user should be able to view the query.
Extentions (or alternate flows)	If the user did not click on the read query , user did not get the query.
Frequency of occurrence	Very high.
Frequency of use:	High.

UC-OAH-REP: b/w date report:

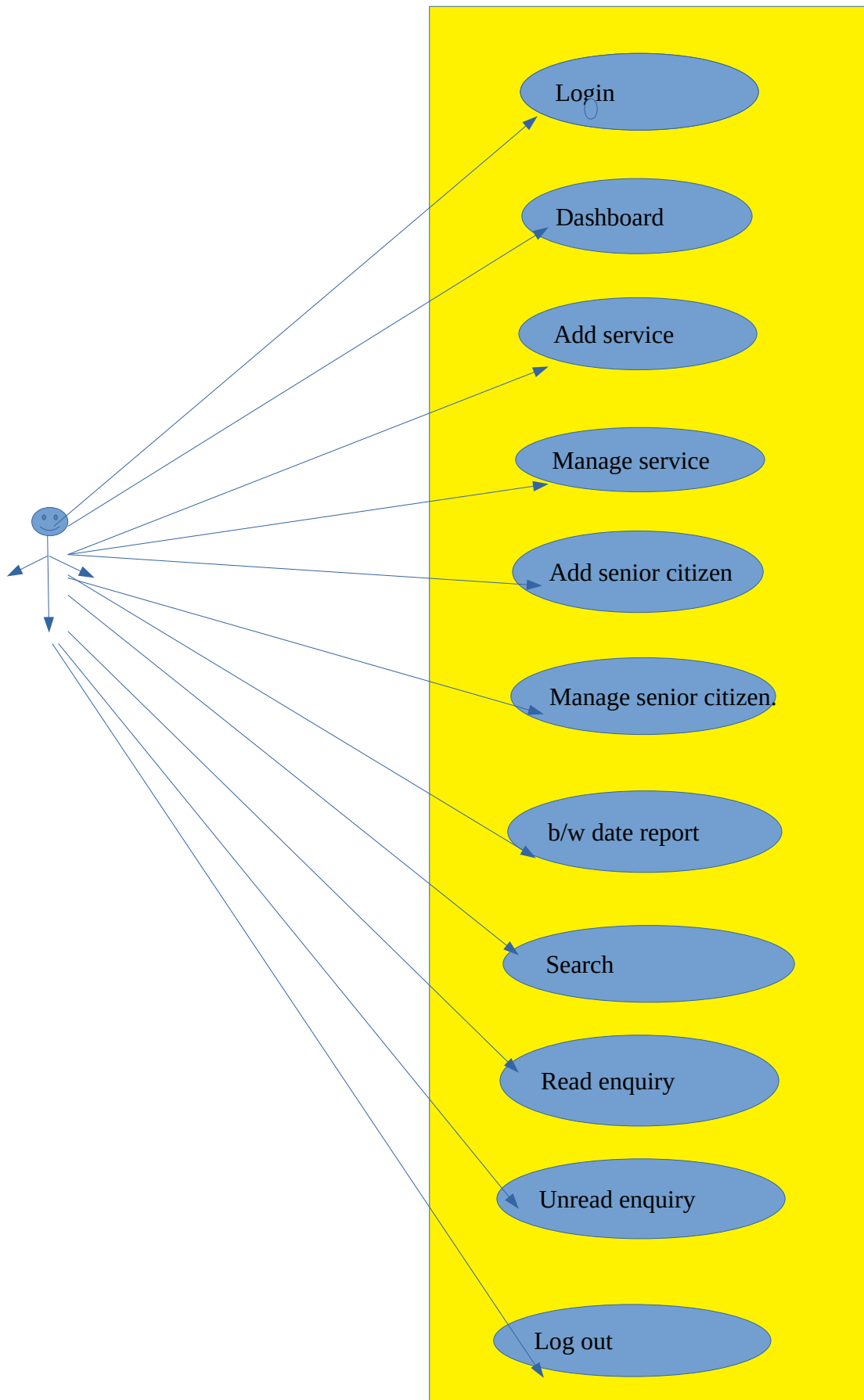
UC-OAH-DB: b/w dates report.	
Description:	User clicks on the b/w dates report tab on the sidebar.
Pre-conditions:	1.User must login to the OAHMS . 2.User must click on b/w dates report.
Success guarantee(post-condition)	On clicking on the b/w date report, admin should able to view the details of the senior citizens joined

	in those dates.
Main Success Scenario:	1.User login to the OAHMS 2.User selects b/w dates report. 3.Now user should be able to view the query.
Extentions (or alternate flows)	If the user did not enter the valid dates (min gap should be one year) , user did not get the appropriate result.
Frequency of occurrence	Very high.
Frequency of use:	High.

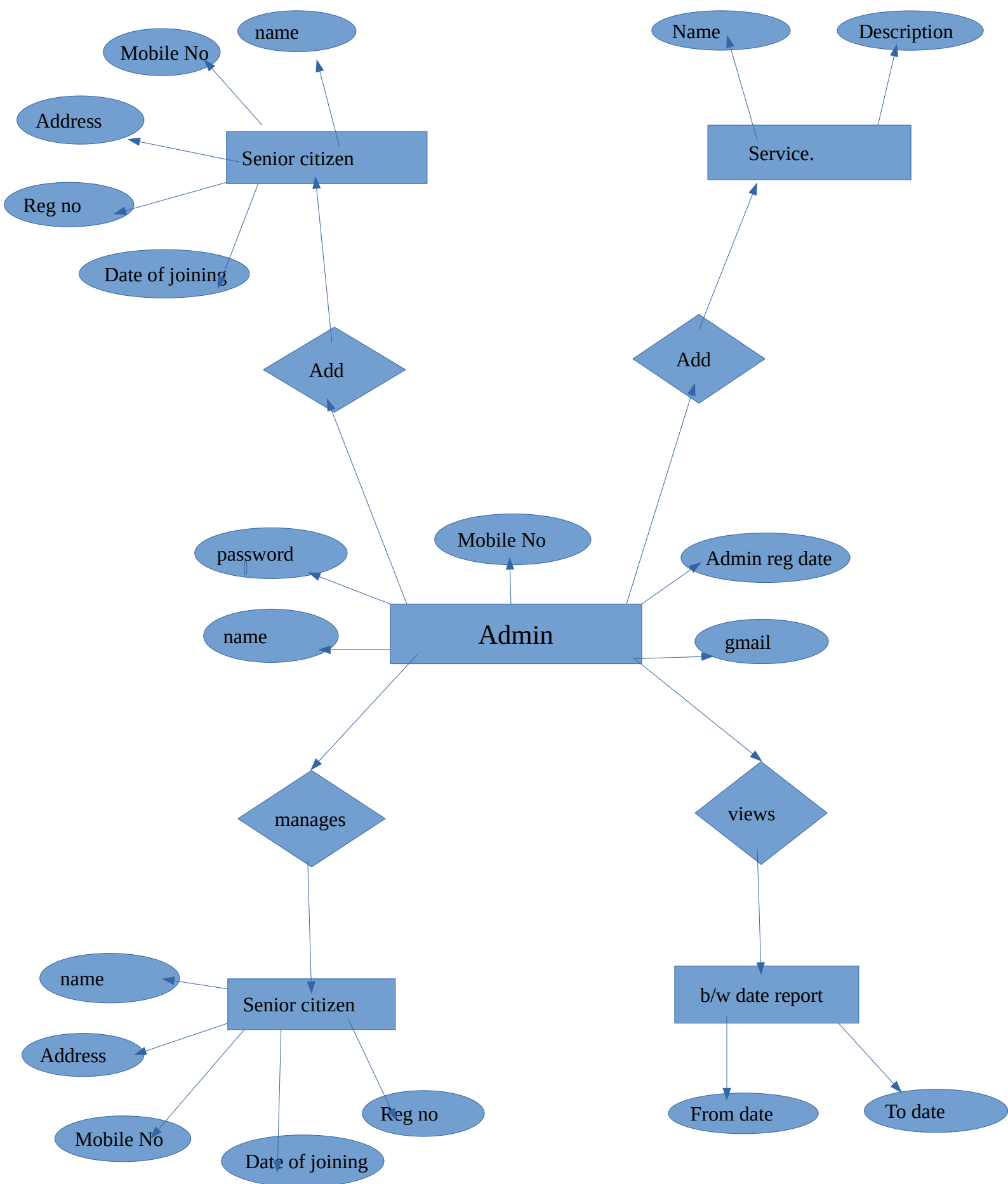
UC-OAH-SRCH: search

UC-OAH-DB:search	
Description:	User clicks on search tab on the sidebar.
Pre-conditions:	1.User may or may not login to the OAHMS . 2.User must click on search button.
Success guarantee(post-condition)	On clicking on the search buuton, user should enter the valid register number of the senior citizen.
Main Success Scenario:	1.User login to the OAHMS 2.User click on the search button. 3.Now user should get the valid result for entered register number.
Extentions (or alternate flows)	If the user did not enter the valid register number, user did not get the appropriate result.
Frequency of occurrence	Very high.
Frequency of use:	High.

5.2. Use-case diagram



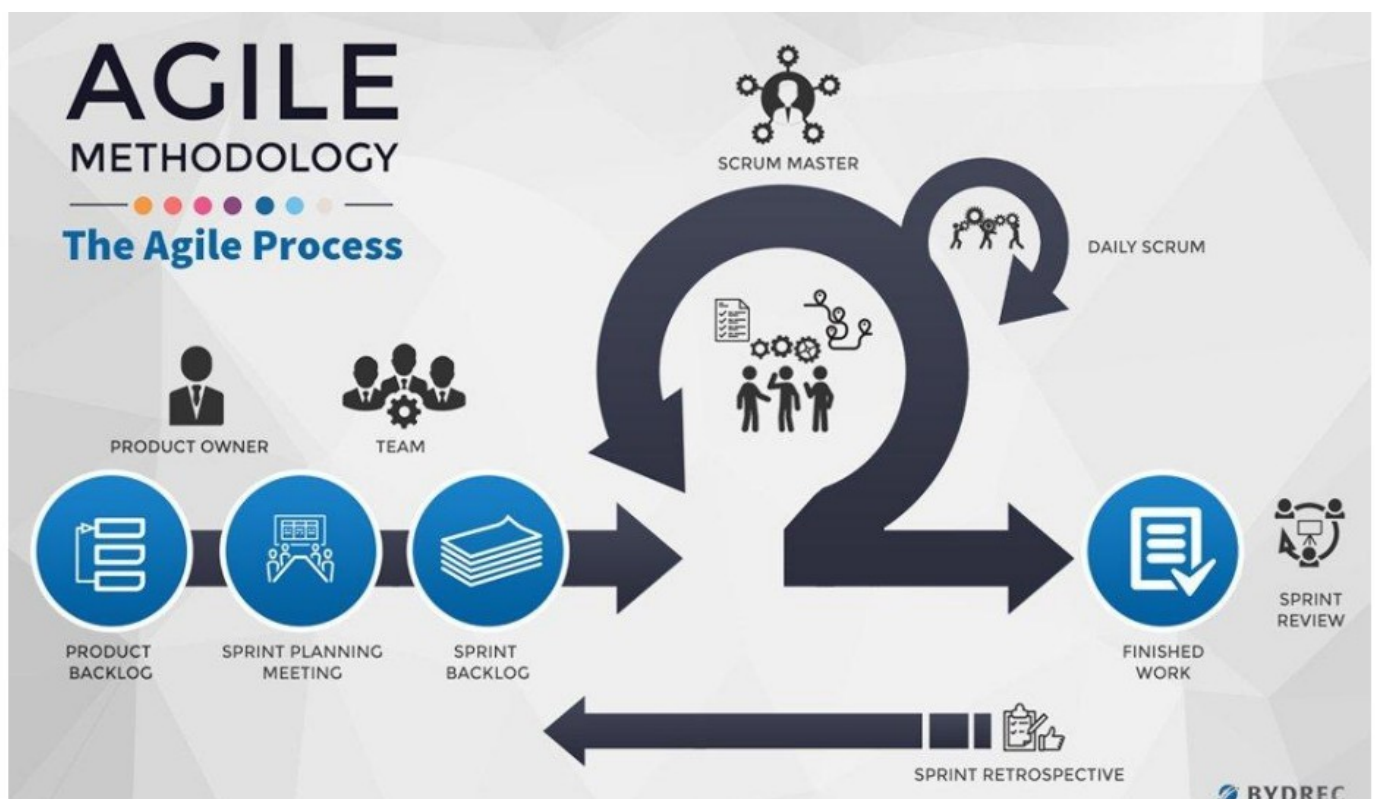
6. ER- daigram



7. Agile Development

Agile

The Agile methodology is a way to manage a project by breaking it up into several phases. It involves constant collaboration with stakeholders and continuous improvement at every stage. Once the work begins, teams cycle through a process of planning, executing, and evaluating. Continuous collaboration is vital, both with team members and project stakeholders.



Agile methodology

It's a process for managing a project that involves constant collaboration and working in iterations. Today, the word Agile can refer to these values and the frameworks for implementing them, including Scrum, Kanban, Extreme Programming (XP), and Adaptive Project Framework (APF).

Agile

A project management methodology characterized by building products using short cycles of work that allow for rapid production and constant revision.

Kanban

A visual approach to project management where teams create physical representations of their tasks, often using sticky notes on whiteboards (or online apps). Tasks are moved through predetermined stages to track progress and identify common roadblocks.

Scrum

A PM methodology in which a small team is led by a Scrum master, whose main job is to clear away all obstacles to completing work. Work is done in short cycles called sprints, but the team meets daily to discuss current tasks and roadblocks.

Adaptive Project Framework (APF)

A project management methodology that grew from the idea that most IT

projects can't be managed using traditional PM methods. Work is done in stages and evaluated after each one.

Extreme Project Management (XPM)

A PM methodology where the project plan, budget, and final deliverable can be changed to fit evolving needs, no matter how far along the project is.

How to Develop a project using Agile methodology

Agile Development is a Continuous Integration(CI) from Requirements gathering to testing the code..We start the project Development with Requirements analysis and Gathering. In this we collect the data from the project description and draw the UML diagrams like ER diagram for database tables and Use Case diagram for implementation functionalities. After we create a short stories like Login, Signup, Homepage Design, Database Creation From the requirements file.

Implementation and System Testing

After all phase have been perfectly done, the system will be implemented to the server and thesystem can be used.

System Testing

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing.

1. Unit testing

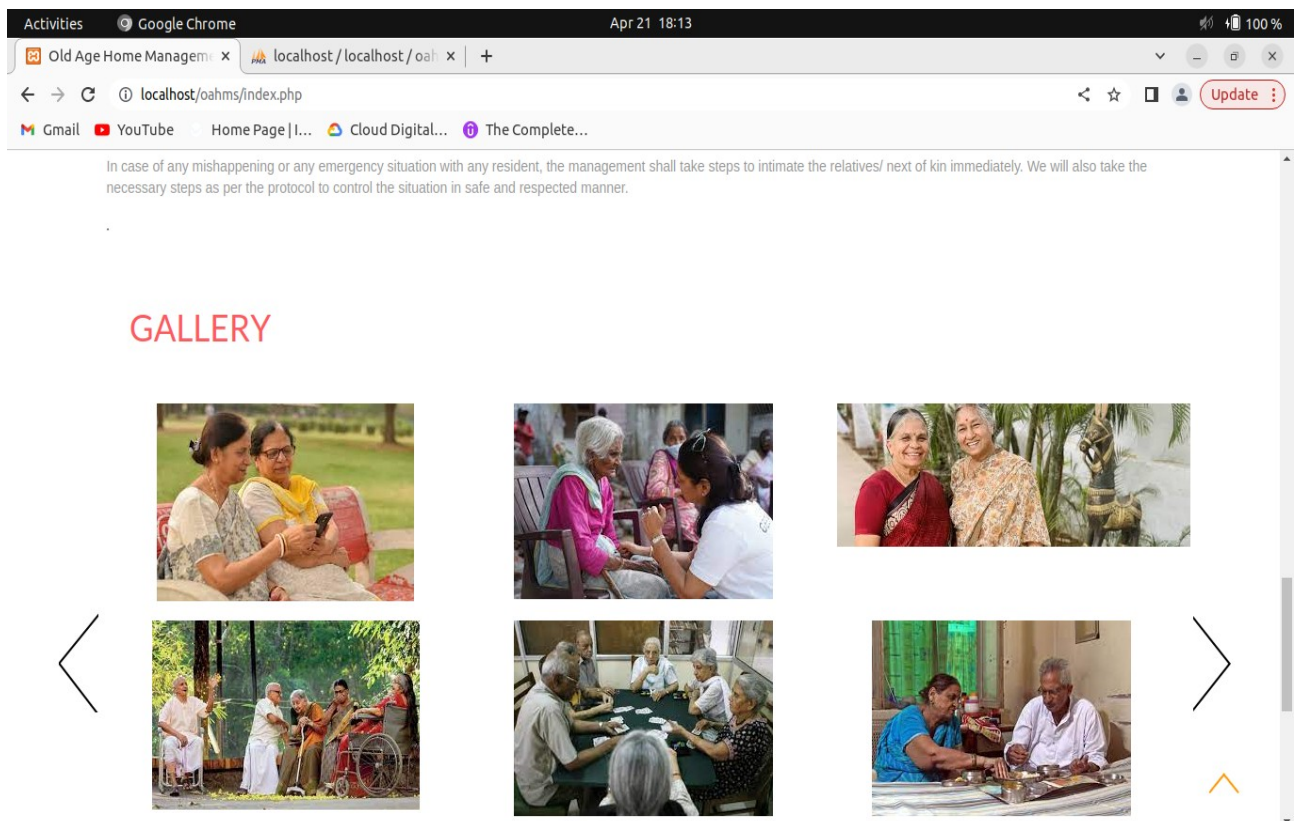
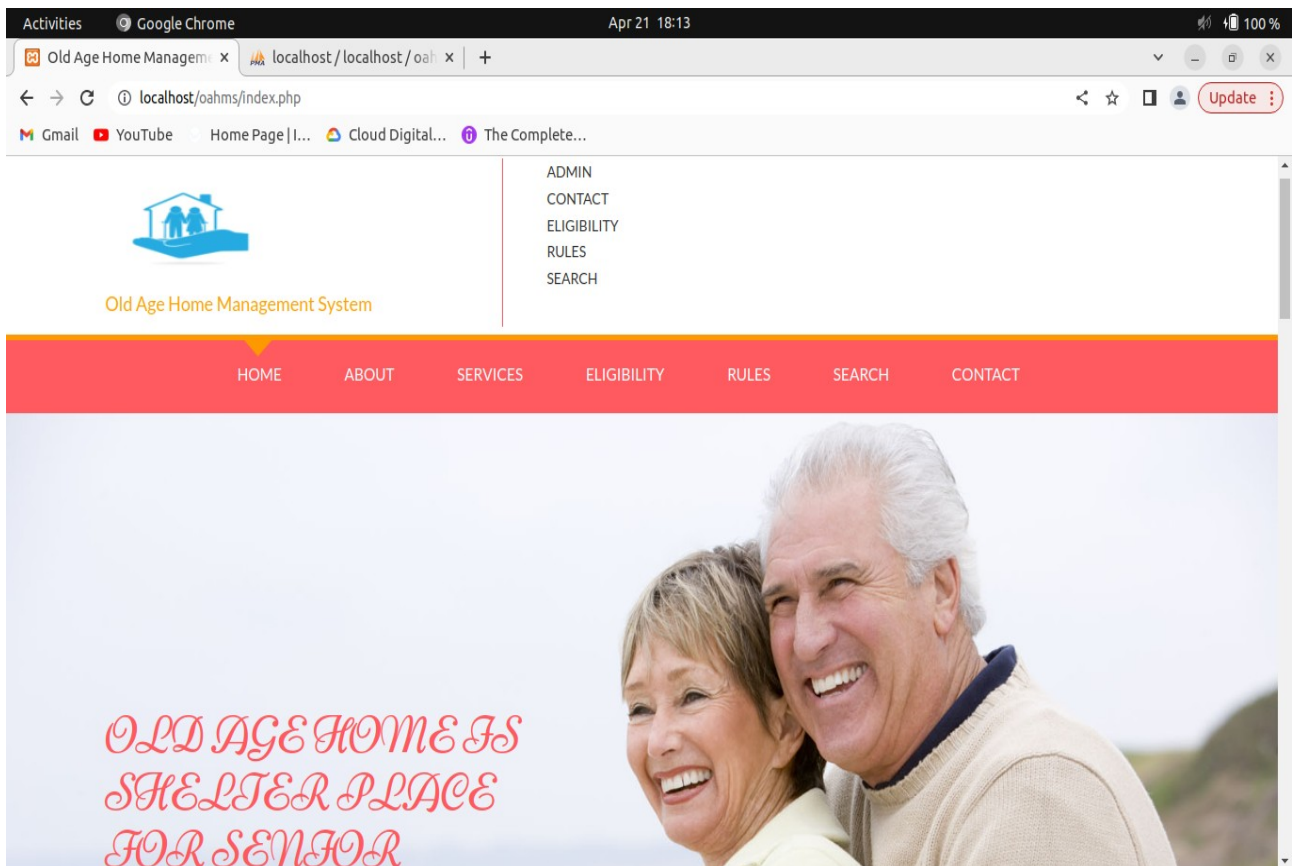
2 .Integration testing

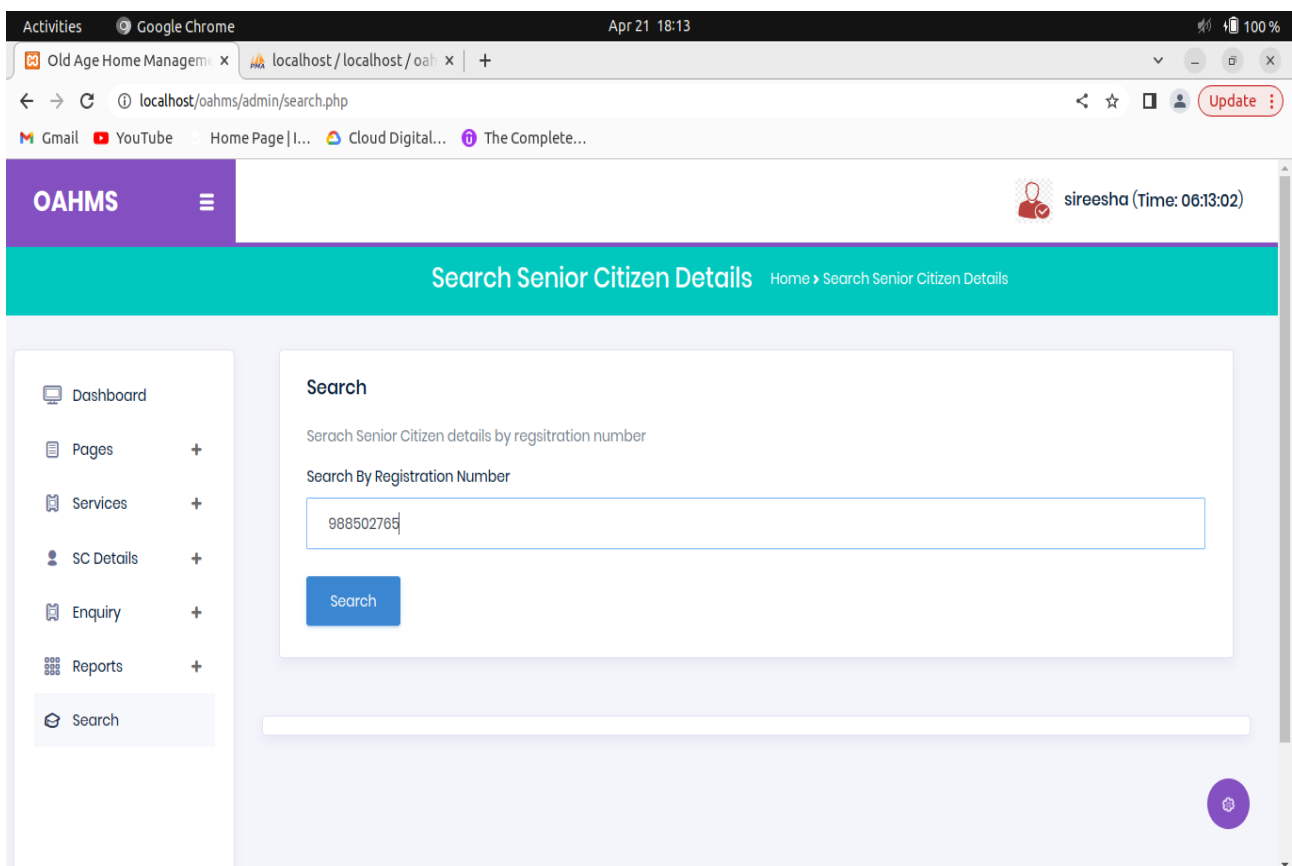
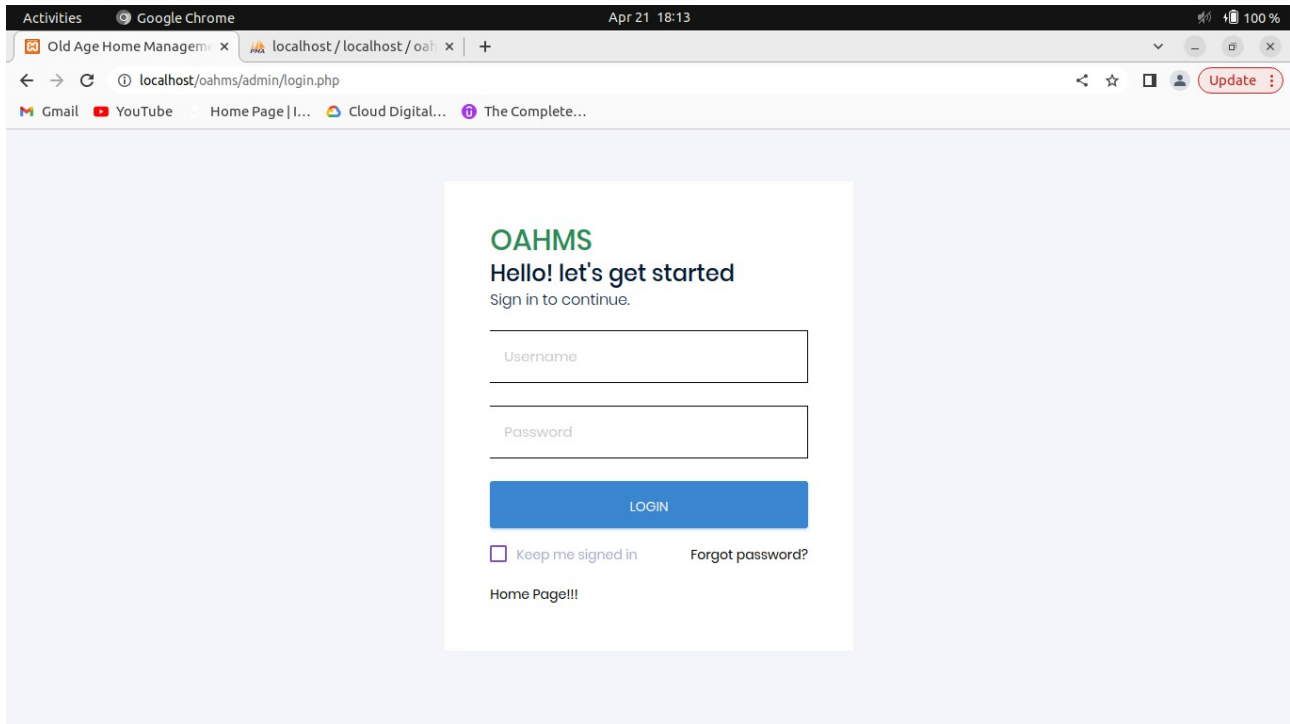
1.Unit Testing

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require The procedures belonging to other units that the unit under test calls Non local data structures that module accesses .A procedure to call the functions of the unit under test with appropriate parameters Test for the admin module Testing admin login form -This form is used for log in of administrator of the system. In this form we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details. Report Generation: admin can generate report from the main database.

2.Integration Testing

In the Integration testing we test various combination of the project module by providing the input. The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module





Activities Google Chrome Apr 21 18:11

Old Age Home Managem... localhost / localhost / oah... +

localhost/oahms/admin/dashboard.php

Gmail YouTube Home Page | I... Cloud Digital... The Complete...

OAHMS

sireesha (Time: 06:11:14)

Dashboard

Home > Main Dashboard

Dashboard

Pages +

Services +

SC Details +

Enquiry +

Reports +

Search

Total Services

4

More info

Senior Citizen

4

More info

Unread Enquiry

0

More info

Read Enquiry

4

More info

Settings

Activities Google Chrome Apr 21 18:11

Old Age Home Managem... localhost / localhost / oah... +

localhost/oahms/admin/profile.php

Gmail YouTube Home Page | I... Cloud Digital... The Complete...

OAHMS

sireesha (Time: 06:11:33)

Pages +

Services +

SC Details +

Enquiry +

Reports +

Search

Update your information!!!

Admin Name

sireesha

User Name

sireesha

Contact Number

9398036429

Email address

r170230@rguktrkv.ac.in

Registration Date

2023-01-24 00:00:00

Settings

Activities Google Chrome Apr 21 18:12 100 %

Old Age Home Managem... localhost / localhost / oah... +

localhost/oahms/admin/manage-scdetails.php Update

Gmail YouTube Home Page | I... Cloud Digital... The Complete...

OAHS sireesha (Time: 06:12:09)

Manage Senior Citizen Details

Home > Manage Senior Citizen Details

Manage Senior Citizen Details

Manage Senior Citizen Details in old age home!!!

#	Registration Number	Name	Contact Number	Date of Birth	Added By	Registration Date	Actions
1	988502765	Raghu Nath	8978979878	1956-01-05	admin	2023-01-26 18:25:43	Edit
2	588502746	Mr.Kailash	7978798789	1955-01-05	admin	2023-02-06 18:28:47	Edit
3	888502761	Mr. Haritha reddy	7897979789	1966-01-05	admin	2023-02-27 11:08:02	Edit
4	759722058	kanthamma	942536485	1969-12-30	admin	2023-03-05 15:12:41	Edit

Dashboard
Pages
Services
SC Details
Add Details
Manage Details
Enquiry
Reports
Search

Activities Google Chrome Apr 21 18:12 100 %

Old Age Home Managem... localhost / localhost / oah... +

localhost/oahms/admin/between-datesreport.php Update

Gmail YouTube Home Page | I... Cloud Digital... The Complete...

OAHS sireesha (Time: 06:12:27)

Reports

Between Dates Report of Senoir Citizen Regsitation

From Dates

dd/mm/yyyy

To Dates

dd/mm/yyyy

Submit

Dashboard
Pages
Services
SC Details
Enquiry
Reports
B/W dates Report
Search

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Conclusion:

OldAge Home Management System software application was very helpful for the Old age home admin to maintain the senior citizens data..It was dedicated platform for the particular old age home, which provide all the details of the old age home.It was very necessary to treat the elderly with respect and compassion and to provide them with care and support they need to live their lives with dignity and grace. As a responsible citizens we are contributing this project to help the Old age home Administration.

References:

<https://www.geeksforgeeks.com>

<https://www.w3schools.com>

<https://www.javatpoint.com>

<https://www.udemy.com/course/complete-web-development-course/learn>