Mini Project report on

LIFEGOOD: INSURANCE POLICY WEBSITE

by

RUTWIK BORKAR [2020510011]
MANGLARAPU RAHUL [2020510042]
BHAVESH NAIK [2020510046]

Under the guidance of

Prof. HARSHIL KANAKIA

Department of Master of Computer Applications

Sardar Patel Institute of Technology

Autonomous Institute Affiliated to Mumbai University

2021-22

CERTIFICATE OF APPROVAL

This is to certify that the following students

RUTWIK BORKAR	**[2020510011]**
MANGLARAPU RAHUL	**[2020510042]**
BHAVESH NAIK	**[2020510046]**

Have satisfactorily carried out work on the project entitled

"**LIFEGOOD: INSURANCE POLICY WEBSITE**"

Towards the fulfilment of summer project, as laid down by University of Mumbai during year 2021-22.

Project Guide

Prof:Harshil Kanakia

PROJECT APPROVAL CERTIFICATE

This is to certify that the following students

RUTWIK BORKAR [2020510011]
RAHUL MANGLARAPU [2020510042]
BHAVESH NAIK [2020510046]

Have successfully completed the Project report on **"LIFEGOOD: INSURANCE POLICY WEBSITE"**, which is found to be satisfactory and is approved

At

SARDAR PATEL INSTITUTE OF TECHNOLOGY,
ANDHERI (W), MUMBAI.

INTERNAL EXAMINER

EXTERNAL EXAMINER

Head of Department

(Dr. Pooja Raundale)

Principal

(Dr. B.N.Chaundari)

CONTENT

ABSTRACT

LifeGood: Insurance policy website used to buy insurance policy from different insurance companies in an efficient manner and our website will also give future predictions on any deadliest disease that can cause pandemic.

Our website is a user-friendly website for buying insurance policies efficiently by selecting proper parameters. All the procedures that are required to buy insurance are defined in a very significant manner and easy for the user to claim their insurance. When a user wants to claim their insurance one portal will be opened for the insurance company and hospital to start the claims process for the patient so that he can relax and just focus on recovery.

LIST OF FIGURES

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Chapter 1 INTRODUCTION

1.1 Objective of Project

- The main objective of this project is to provide a user-friendly website for customers to buy insurance policies for themselves and for their family as well as Administrators to Register new insurance companies, creating reports and various other Administrative works.

- The most important aim to make the connectivity between hospital and insurance company which makes claiming process much more easier

- The main objective of this project is not only to make the claiming processing easier but also to make the validation of documents in an efficient manner and create a report at proper time interval for prediction of any deadliest disease that can cause a pandemic situation.

- The basic objective of this project is to make the UI user friendly.

1.2 Description of Current System

- It includes dynamic reports.
- It includes user registration.
- It includes the claiming process of insurance.

1.3 Limitation Of Current System

- No Prediction Model
- No functionality to fetch reports from other websites to have proper prediction.

1.4 SYSTEM REQUIREMENTS

Hardware Requirement: -

-
  - I3 Processor Based Computer or higher
  - Memory: 4 GB RAM
  - Hard Drive: 1 TB
  - Internet Connection

- **Software Requirement:**
  - Windows 10 or higher
  - Xampp server
  - Laravel 8
  - Visual studio code

Chapter 2

LiteratureSurvey

In Lifegood: Insurance policy website we will see how to reduce and simplify the procedure of Insurance companies using online portal and predict any deadliest disease which can cause pandemic or other circumstances like what COVID-19 did. Many insurances company have online website through which they sell insurance to the customers to buy insurance customer have to register them on the website and also have to submit all the essential documents online during the procedure of buying insurance .We have imposed modern deep learning technique which is OCR through which documents will be validated while uploading the document also we have proposed one functionality in which insurance company and hospital will have one portal on which they will communicate on daily basis to validate and to pay bills. Due to which when customers get admitted in the hospital, they have to just login on the website and click on the claim button into which they have buy the insurance.

Due to COVID-19 the pandemic came because we were not aware about it and also many people lost there life because of unavailability of oxygen cylinder so we have proposed one functionality through which we can predict this kind of situation and we will be prepare if this kind of situations happens again with the help of the report which will be generated by the website

Chapter 3

SOFTWARE REQUIREMENT SPECIFICATION [SRS] AND DESIGN

3.1 INTRODUCTION:

This section gives a scope description and overview of everything included in this SRS document. Also, the purpose for this document is described and a list of abbreviations and definitions is provided.

Purpose

The purpose of this document is to provide a detailed overview of our Insurance policy website project, its parameter and its goal. It defines how our client, team and audience see the product and its functionality. And will keep track of various data. It also describes the interfaces for the system.

Scope of Project

This document describes the requirements of the above-mentioned system. It is meant to be used by the developers and will be the basis for validating the final delivered system. Any changes made to the requirements in the future will be made with the permission of the client. The developer is responsible for asking for clarifications, where necessary.

Definitions, acronyms, and abbreviations:

User: - The User could select the desired scheme and opt it post document verification and payment success.

Hospital: - The Hospital could claim the patients via OTP verification and access various reports for further hospital resource management.

3.2Overall Description

This section will give an overview of the whole system.

Product Perspective

The LifeGood Insurance is a portal which helps insurance claiming much more easier and accessible.

Functional Requirements

1)User Registration/Login

Input: name , age ,email, password, mobileno

Output: User could register to there specified schemes via automatic document verification and payment gateway

Description: User could register to there specified schemes via automatic document verification and payment gateway

2) Hospital Login

Input: username , password

Output: Hospital could claim the customer and access reports for resource management

Description: Registration is mandatory .

2.4 Operating Environment

- **Processor:** Intel dual core or above
- **Processor Speed:** 1.0 GHZ or above
- **RAM:**2 GB RAM or above
- **Hard Disk:** 20 GB hard disk or above.
- **Operating Systems**: 2010

2.5 Assumptions and Dependencies

Basic knowledge of the computers should be known by the users and we also assure that software user manual and training documentation will be given to the users.

3.3.1 SPECIFICIC (EXTERNAL INTERFACE) REQUIREMENT:

User Interfaces:

This software needs the following user interfaces:

i) Registration Window: User: Insurance companies, customer and hospital Properties:
· This window is used for entry of Insurance companies and hospital details for registering a new insurance company and hospital also customers will enter all the details to buy insurance policy.
ii) Log in Window: User: customer,insurance company and hospital.
Properties:
· This window has two fields for username and password, two buttons to login and register.
· For correct username and password, it opens an appropriate window.

3.3.2 HARDWARE INTERFACES:

There is no direct hardware interface specifically for This application. The web application runs on an application server hosted in-house on enterprise hardware.

3.3.3 SOFTWARE INTERFACES:

- The software is developed with all the basic controls and class provided in PHP.
- Application Package must be installed.
- All the data inserted will be stored in SQL.

4. OTHER NONFUNCTIONAL REQUIREMENT:

4.1 PERFORMANCE REQUIREMENT:

- Good memory space is required.
- Should be Error-free.

4.2 SECURITY REQUIREMENT:

This non-functional requirement assures that all data inside the system or its part will be protected against malware attacks or unauthorized access.

- A password is given to the Admin panal.

4.3 SOFTWARE QUALITY ATTRIBUTES:

Scalability assesses the highest workloads under which the system will still meet the performance requirements.
Reliability. This quality attribute specifies how likely the system or its element would run without a failure for a given period of time under predefined conditions.
Maintainability. Maintainability defines the time required for a solution or its component to be fixed, changed to increase performance or other qualities, or adapted to a changing environment

Chapter 4 ANALYSIS AND DESIGN

4.1 METHODOLOGIES ACCEPTED:

Methodology involves dividing software development work into distinct stages and coming up with tasks or activities aimed at achieving better planning and time management. It is considered a trivial part of the systems development life cycle.

Waterfall Model:

Waterfall model is preferable for our application as it has provision for changes and the changes can be implemented in the maintenance phase. This is because the waterfall model is simple and easy to understand and use for the developer and the other users. The approach taken was to treat the whole process of modelling software in a sequential order, the outcome or output of the previous step would serve as the input for the next step. This model also allows for early design changes and places emphasis on requirement and design before writing any single line of code which ensures minimal time wastage and effort in design changes. Our project is not very complex and has functionalities which can be considered as basic and hence the waterfall model is the most suitable model. In this system, initially we decided the problem definition. Once the problem definition was done we started with all the requirement specifications for the same. Since we are working on a new technology, we had to give some time to learning ionic. At the same time we started with the planning and design of the system. The architecture was planned while learning ionic. The design and basic schema was also decided while learning Laravel. After all the planning work, we started the implementation where when a few modules were functional we also started with testing. Testing and debugging was done along with the implementation phase. The last phase is just about fixing some small changes or debugging the errors.

4.2 DESIGN:

4.2.1 Use Case Diagram

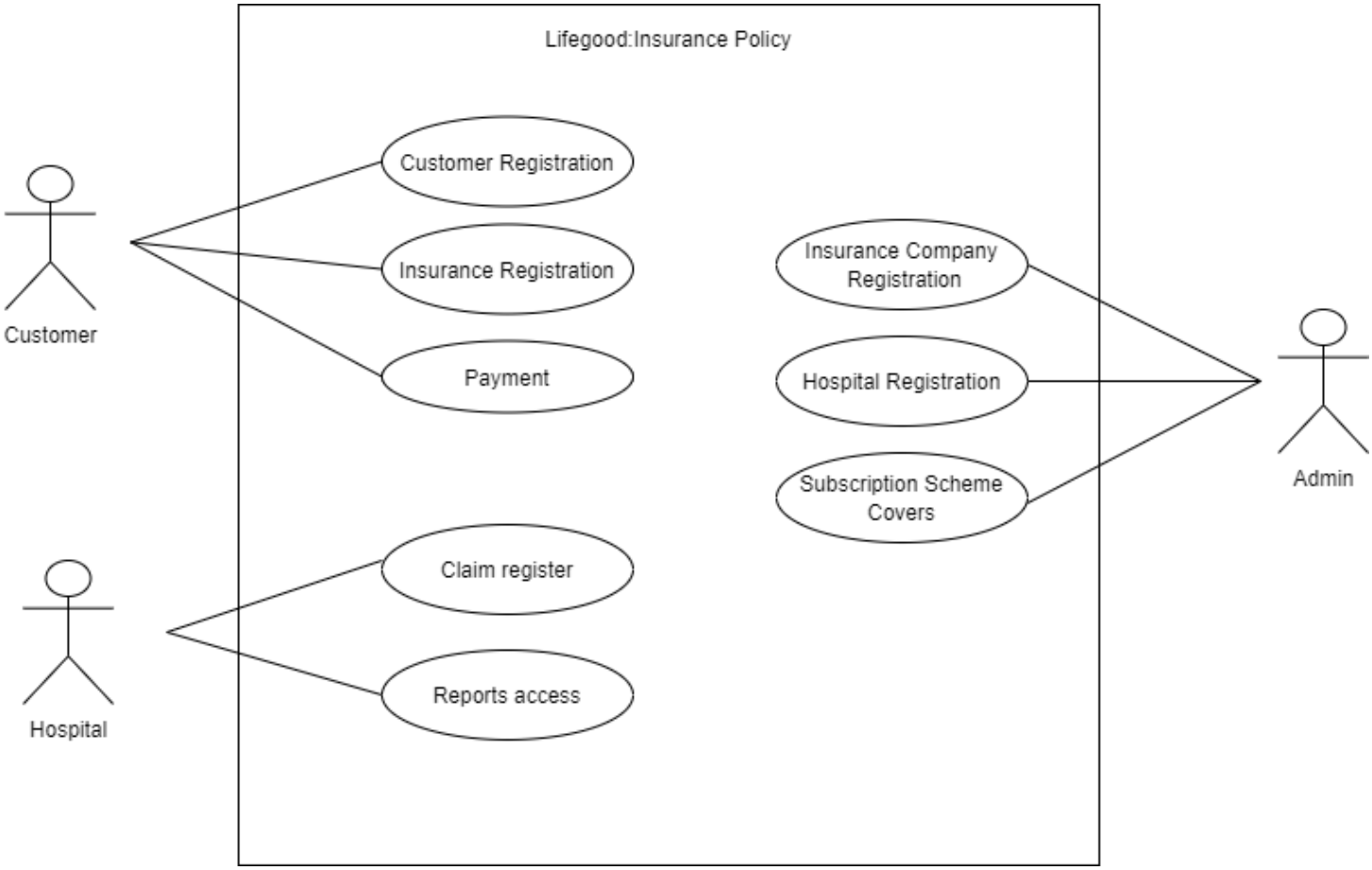

Fig 4.2 Use case Diagram

4.2.2 Usecase Specification

Use Case ID:	UC_1
Use Case Name:	LifeGood: Insurance Policy
Created By:	Rahul Manglarapu Rutwik Borkar Bhavesh Naik
Date Created:	23-May-2022

Actor:	1.Customer 2.Hospital 3.Admin
Description of use cases:	Customer Registration:- Customers can register themself on the website Insurance Registration:- Customers can buy insurance. Payment:-After customers register themself for the insurance they can pay the insurance fee. Claim register:-Hospital can start claiming process of customer Insurance company registration:- Admin will register insurance companies on the website. Hospital registration:-dmin will register Hospitals on the website. Subscription Scheme Covers:-Admin can edit/add/delete Schemes.

Preconditions:	Admin,Hospital,Insurance companies needs to be registered and logged in in order to use the website
Post conditions:	

Extends:	
Includes:	
Assumptions:	N.A

4.2.4 CLASS RELATIONAL DIAGRAM:

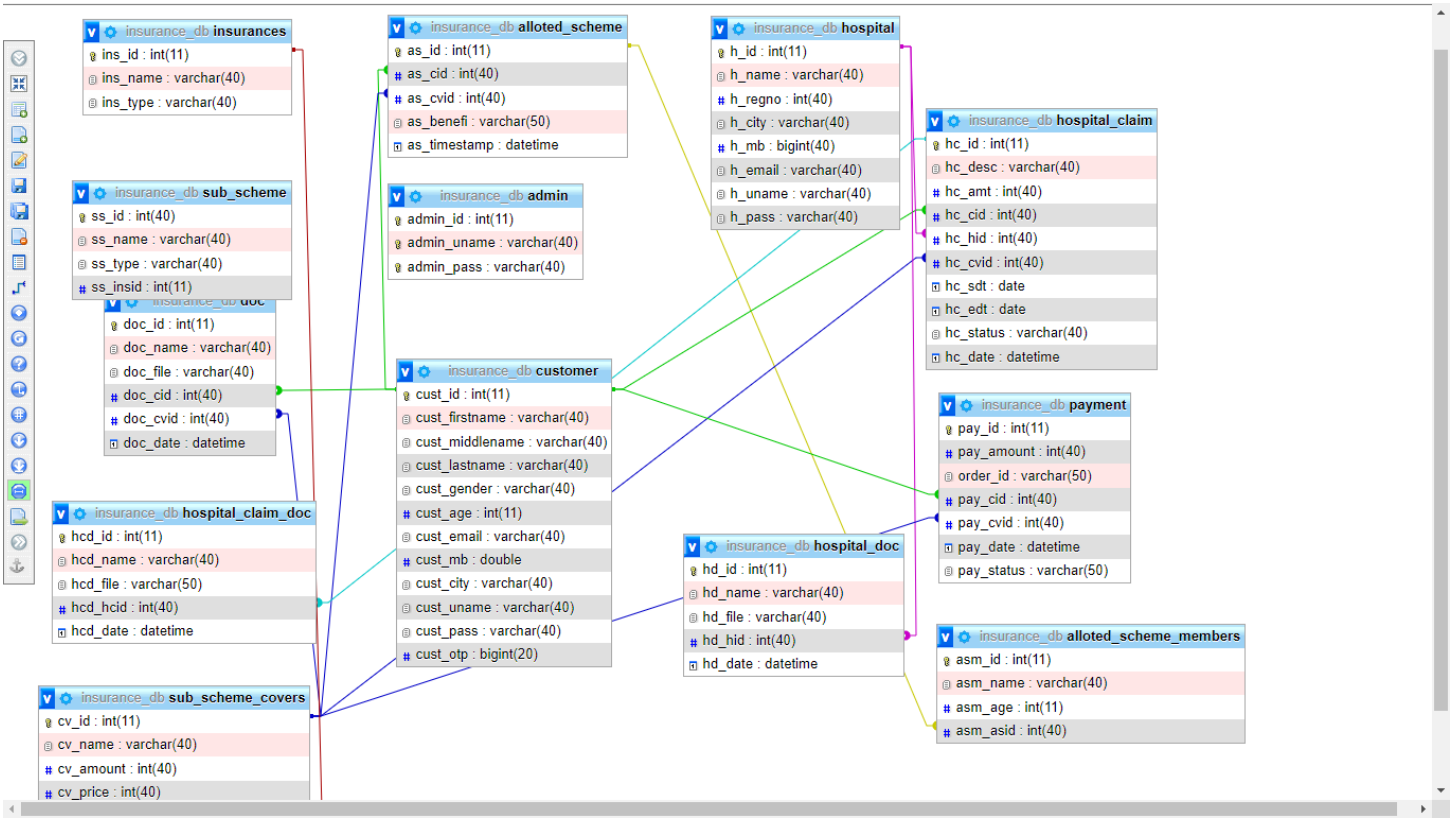

Fig4.3

Class Relation diagram

4.2.3 DEPLOYMENT DIAGRAM

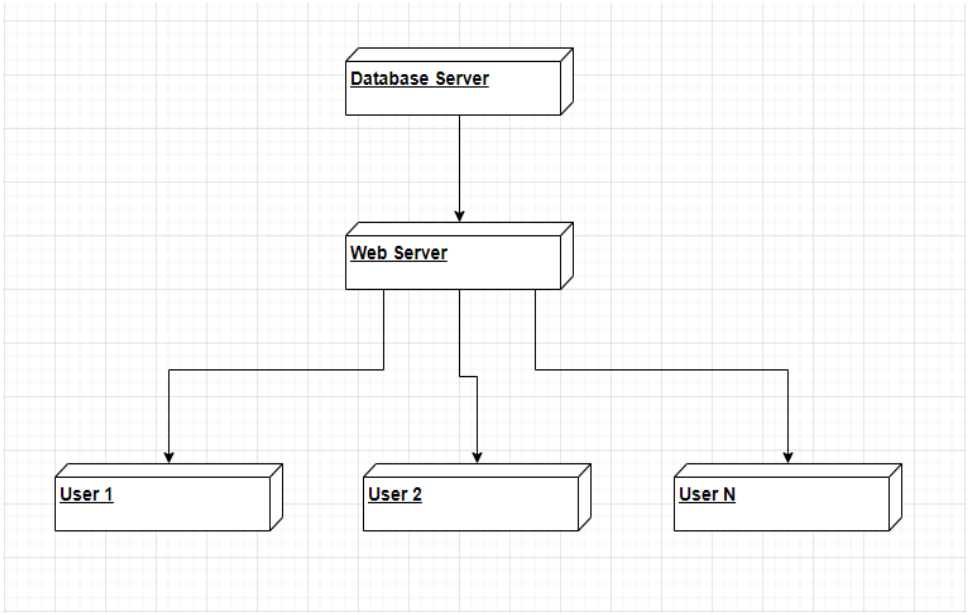

Fig4.6Deploymentdiagram

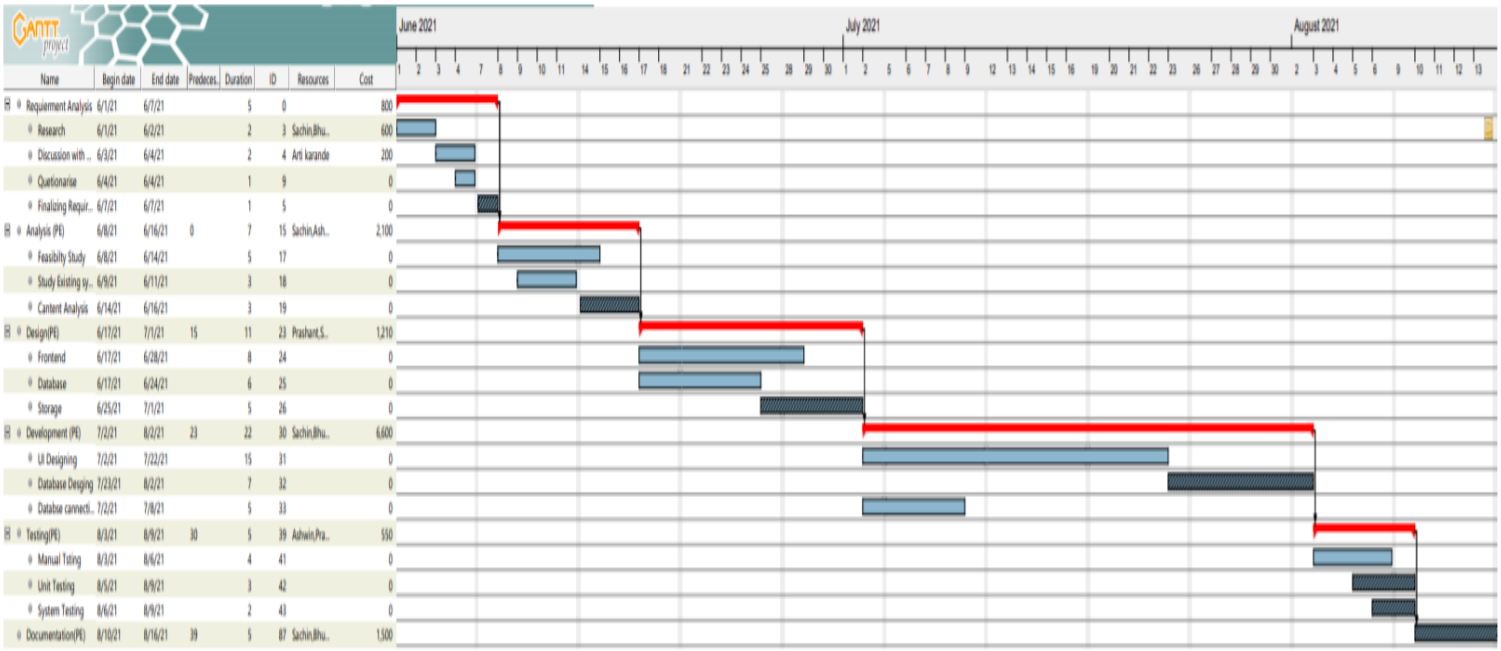

Fig 4.7 Gantt chart

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Fig4.8Pertchart

4.2.4 Flow Chart

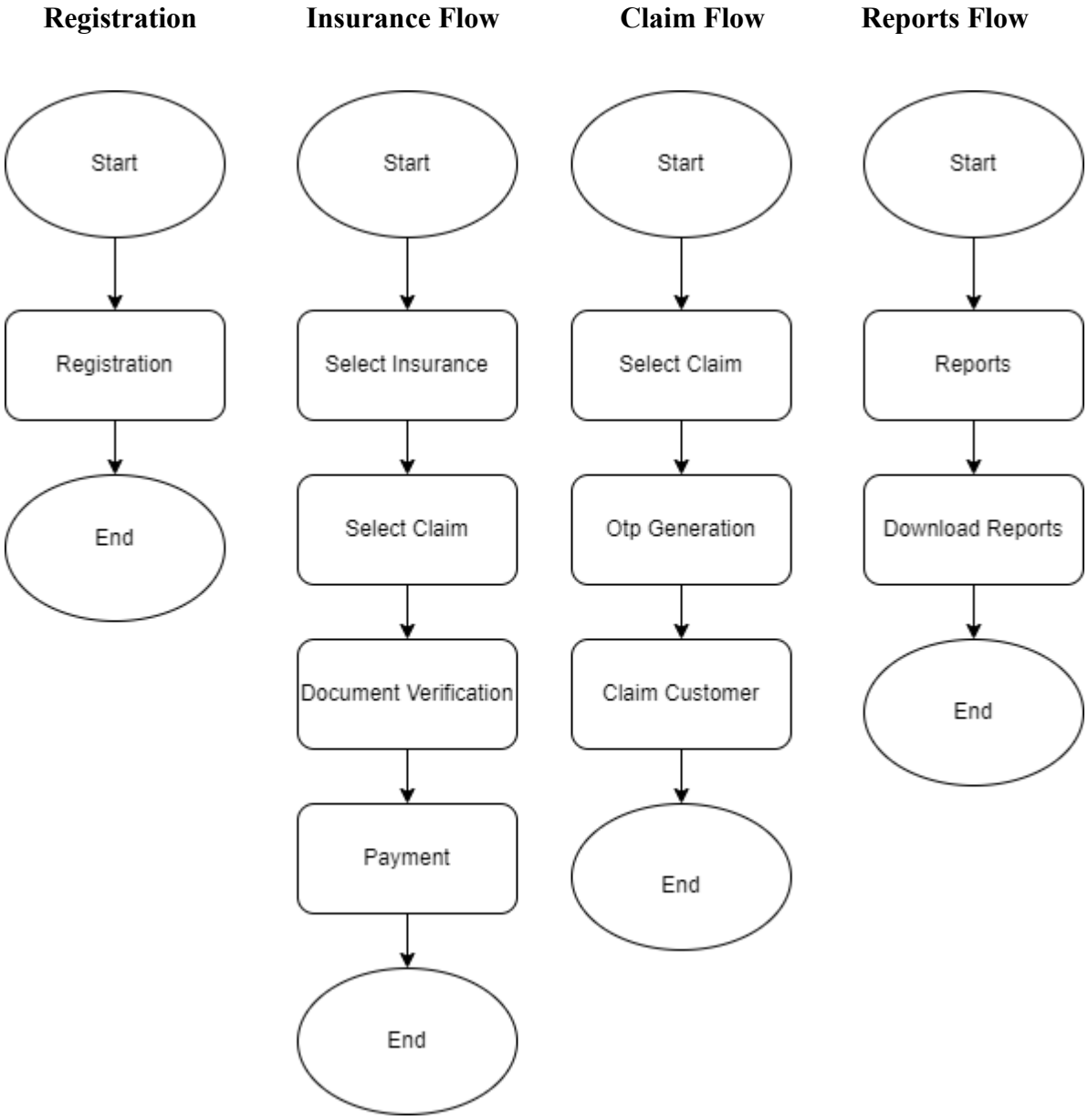


Fig4.9Flowchart

Chapter 5

PROJECT IMPLEMENTATION AND TESTING

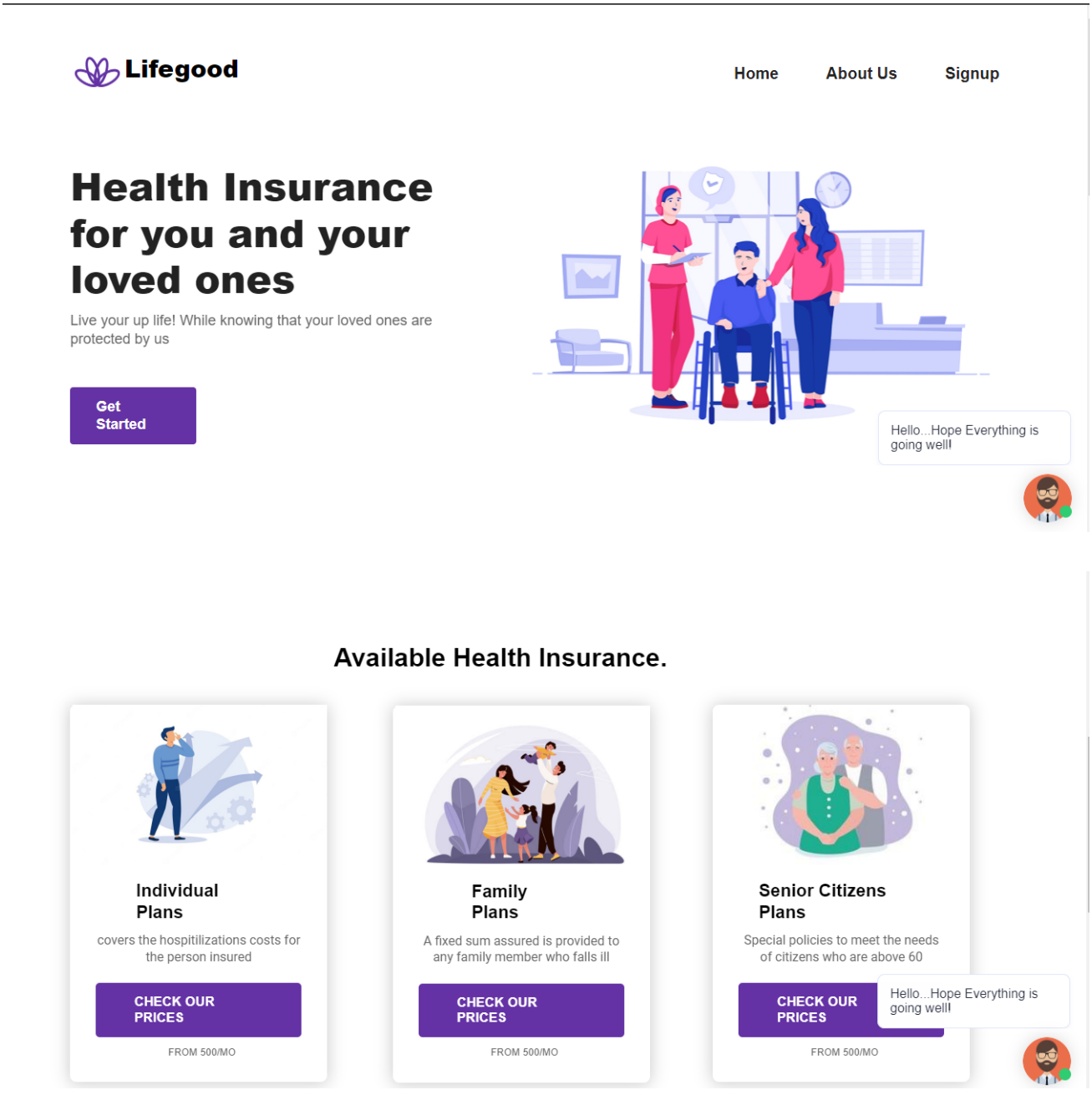
5.1 Project Implementation

The Product Development Center is implemented using Laravel framework. Where front end is designed by HTML and Bootstarp and backend is done in laravel using php.

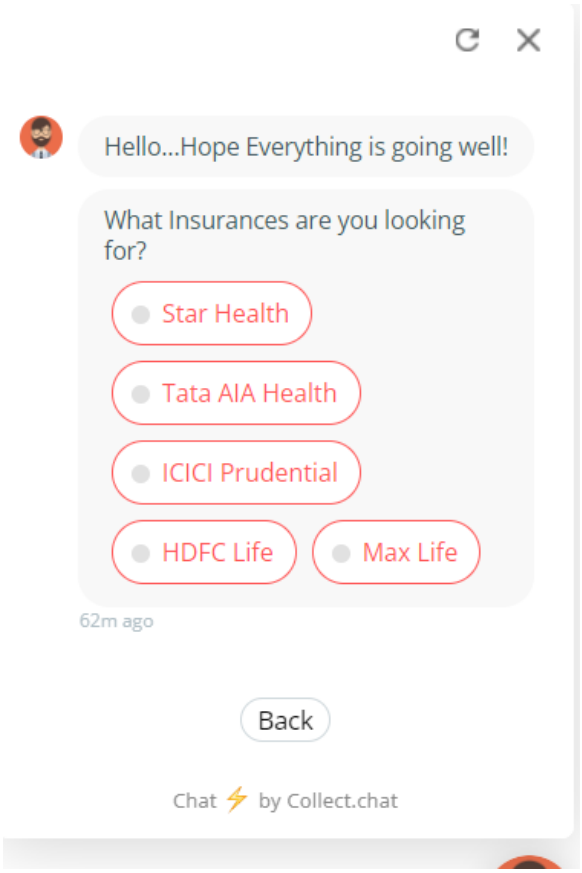
- Programming Languages used:
  - PHP [backend] HTML [GUI]
  - Bootstrap [GUI]
- Database:
  - PHPMyAdmin

5.2 Screenshot of working application

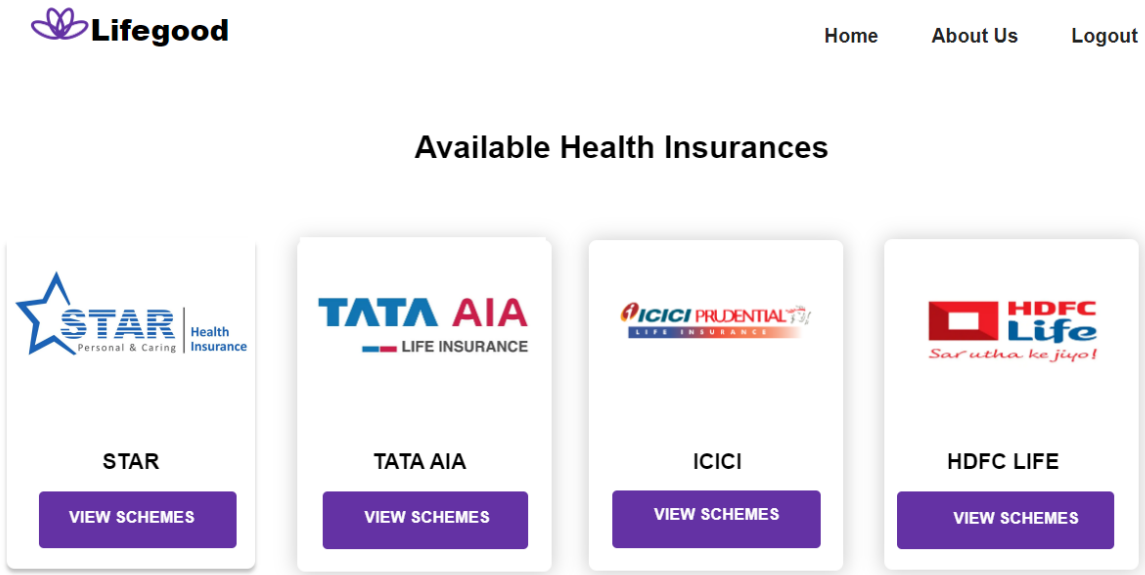
Home Page:

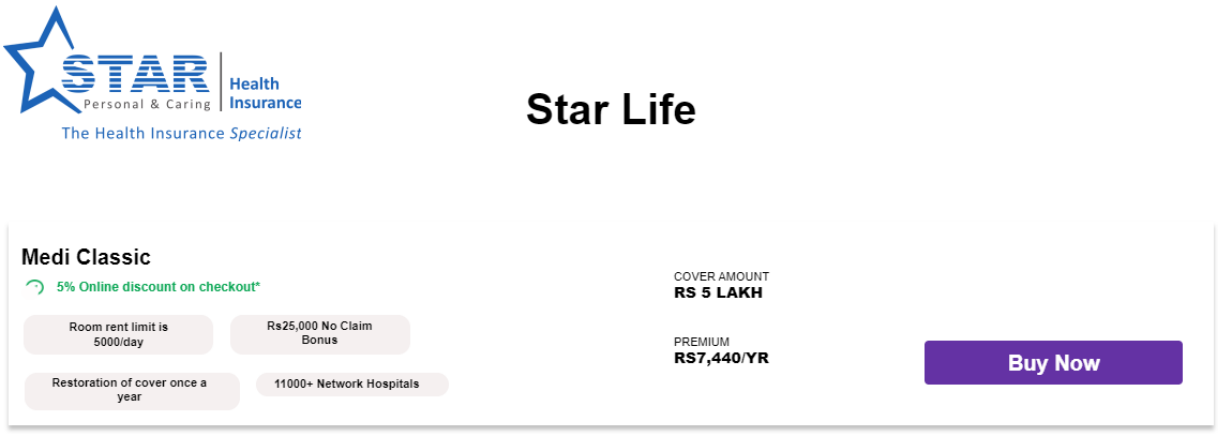


Chat Bot:

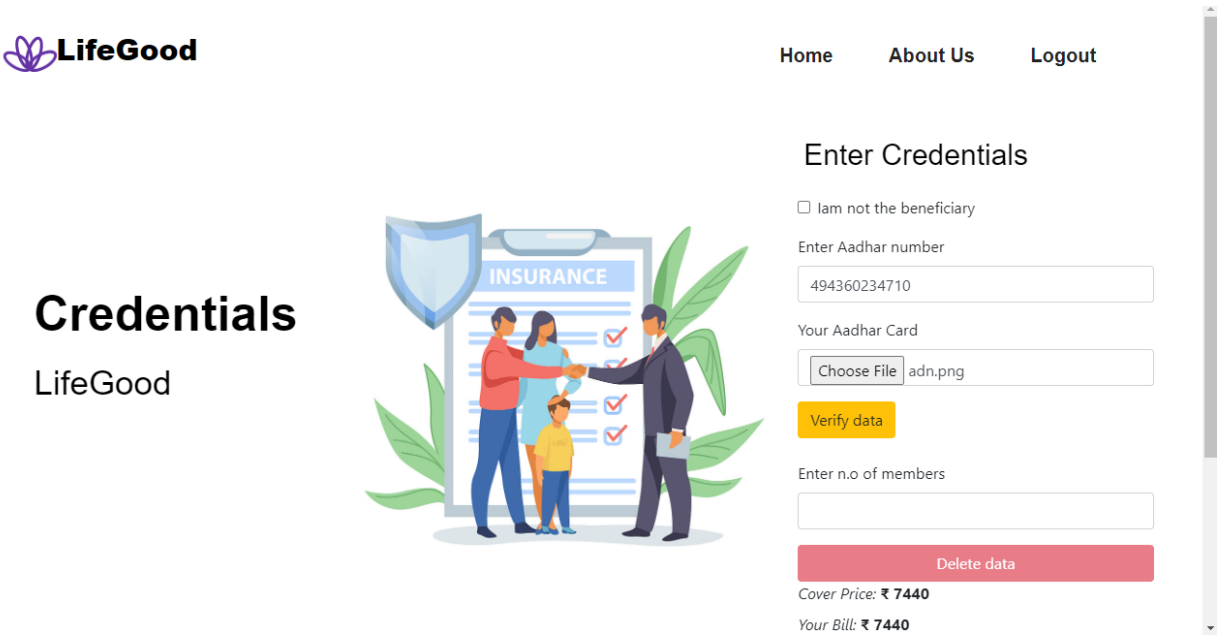


Insurance Page:

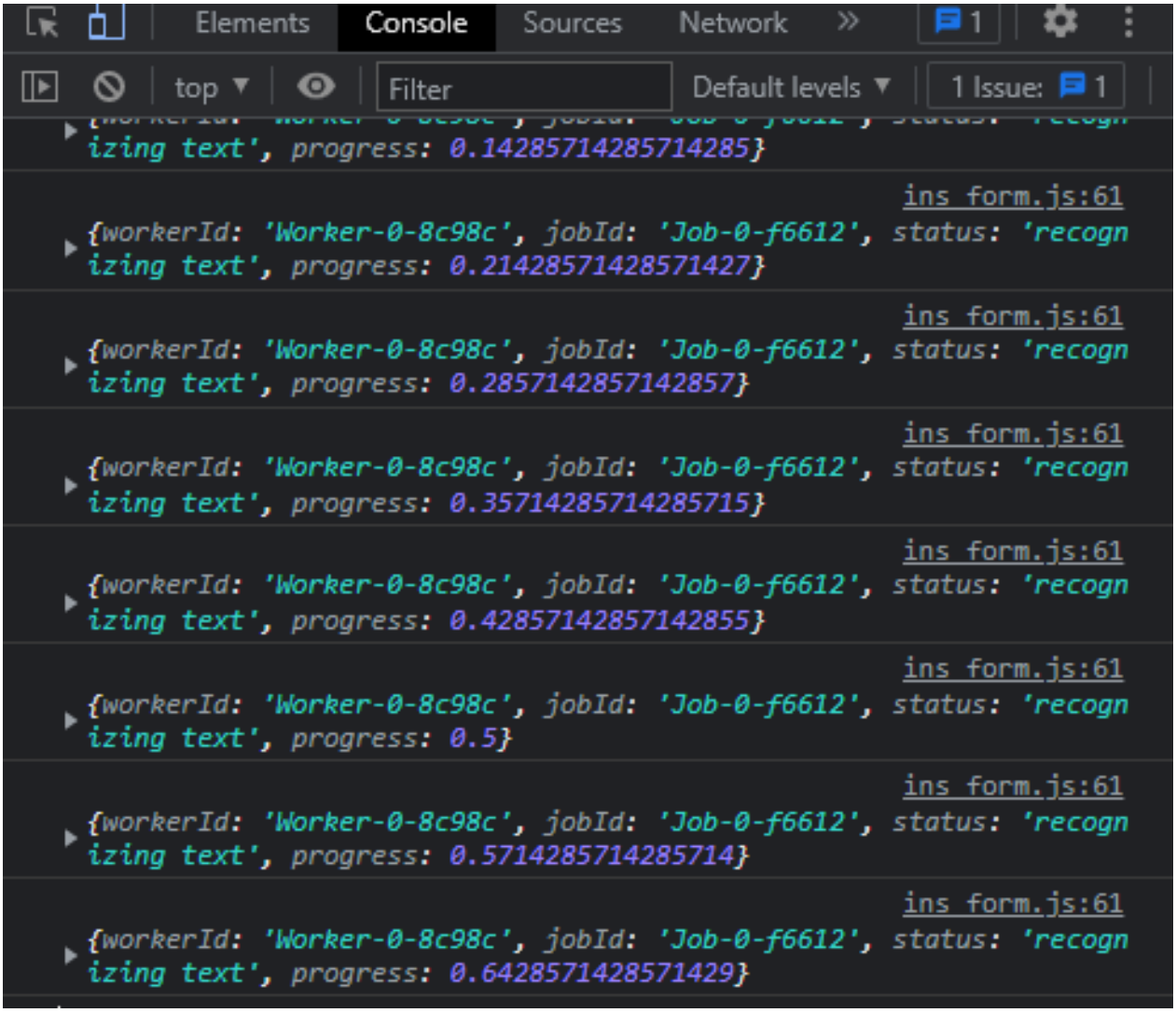


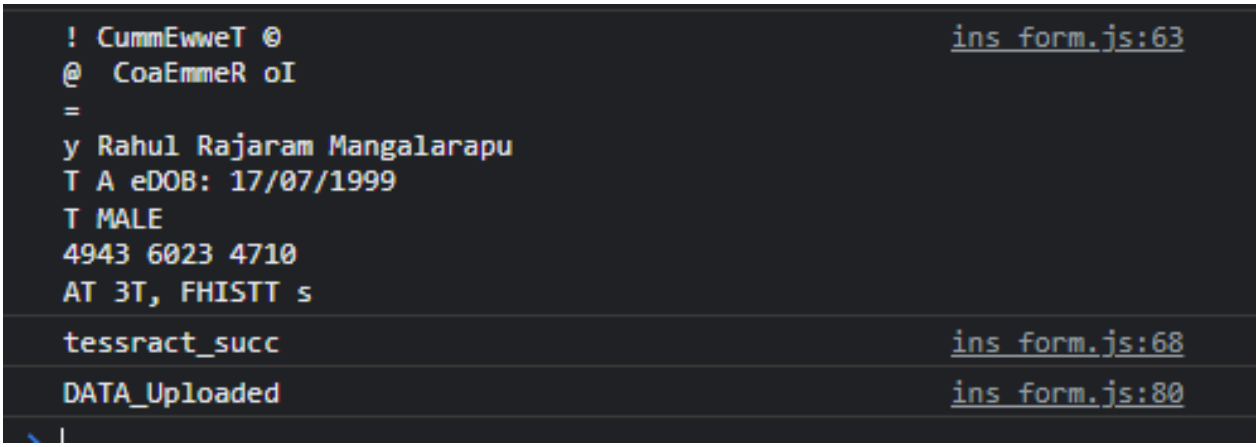


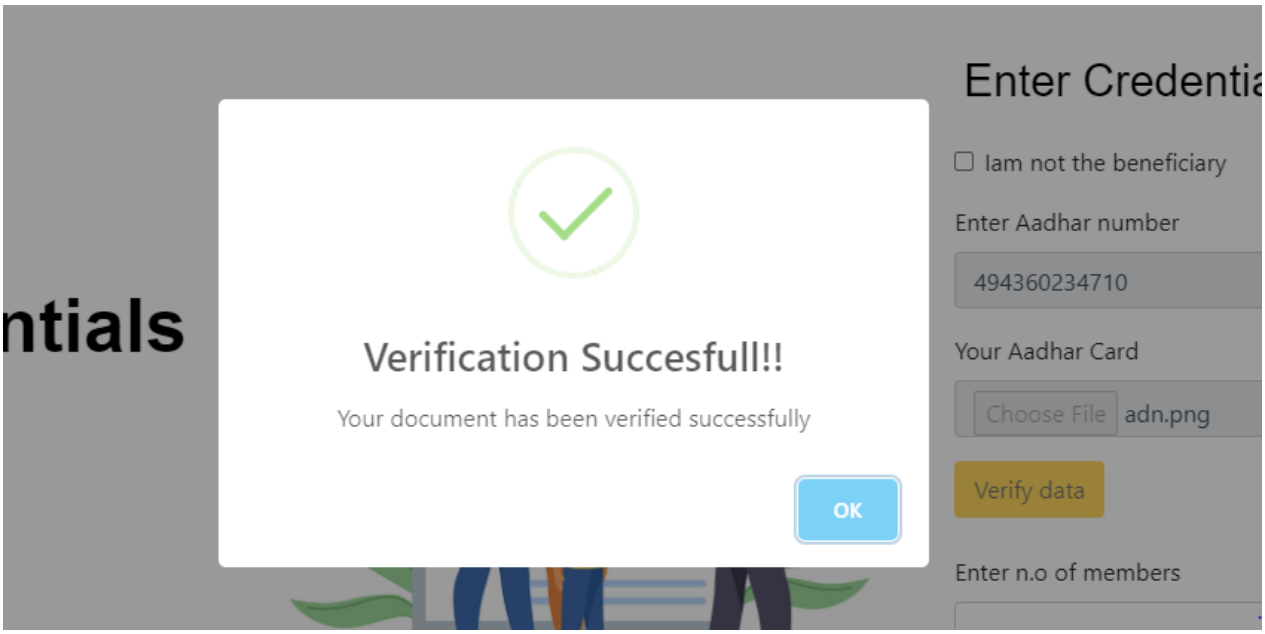
Insurance Form:



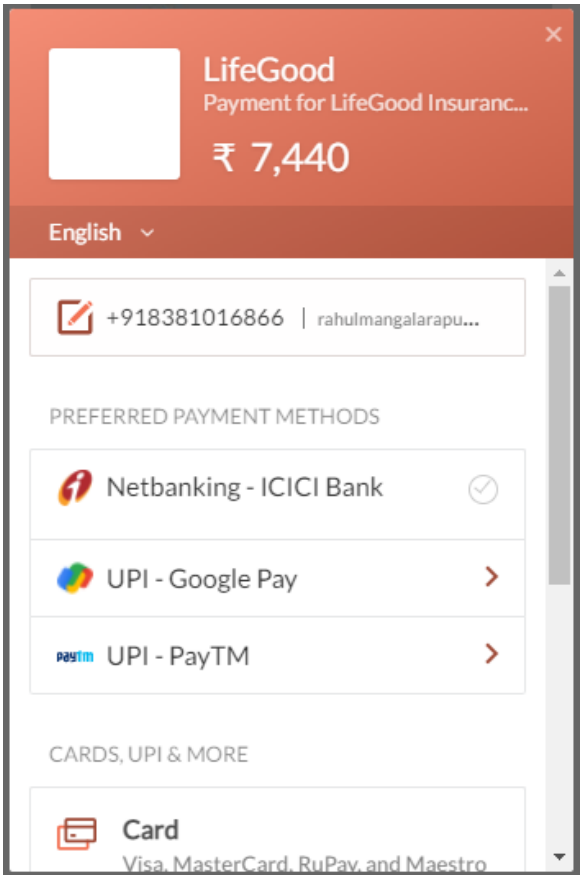
OCR Document Validation:

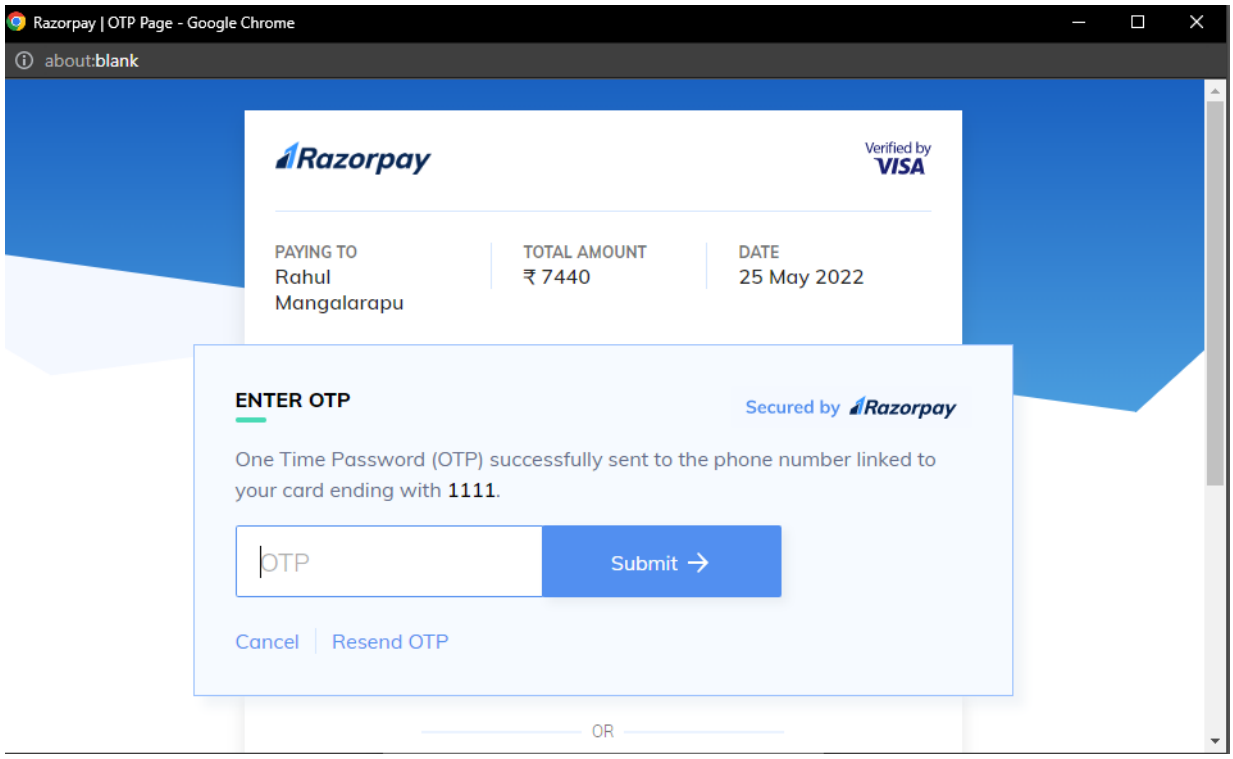




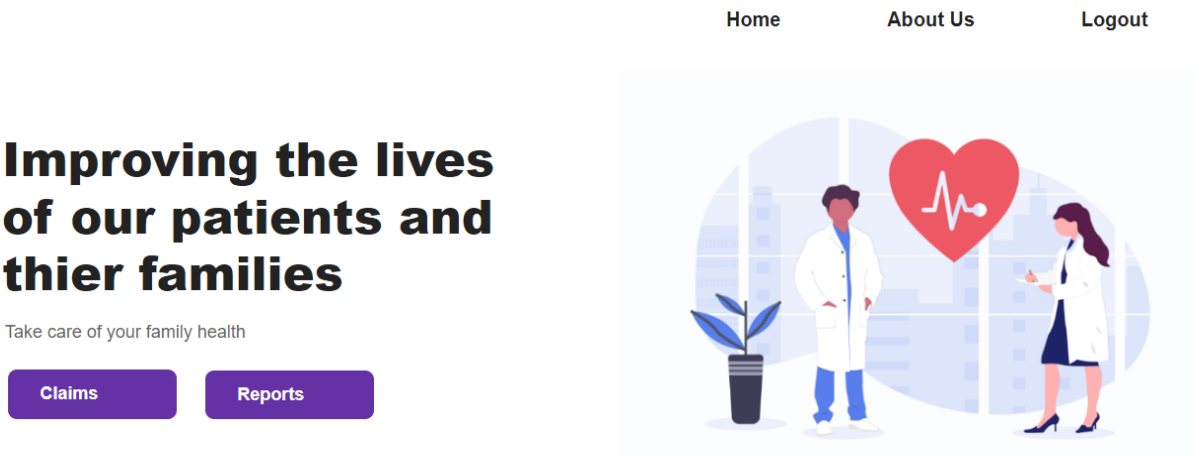


Payment Gateway:

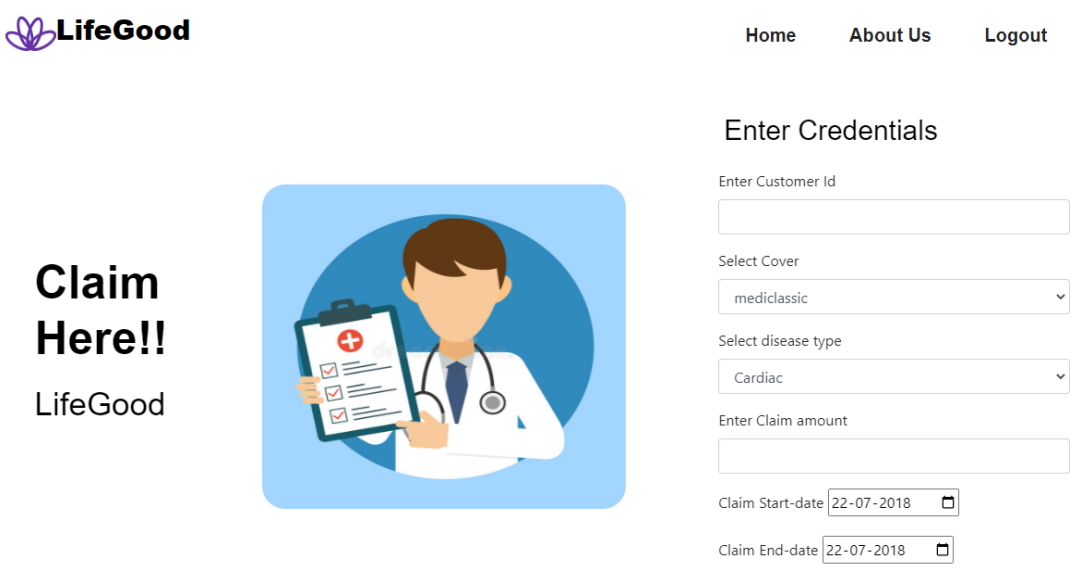




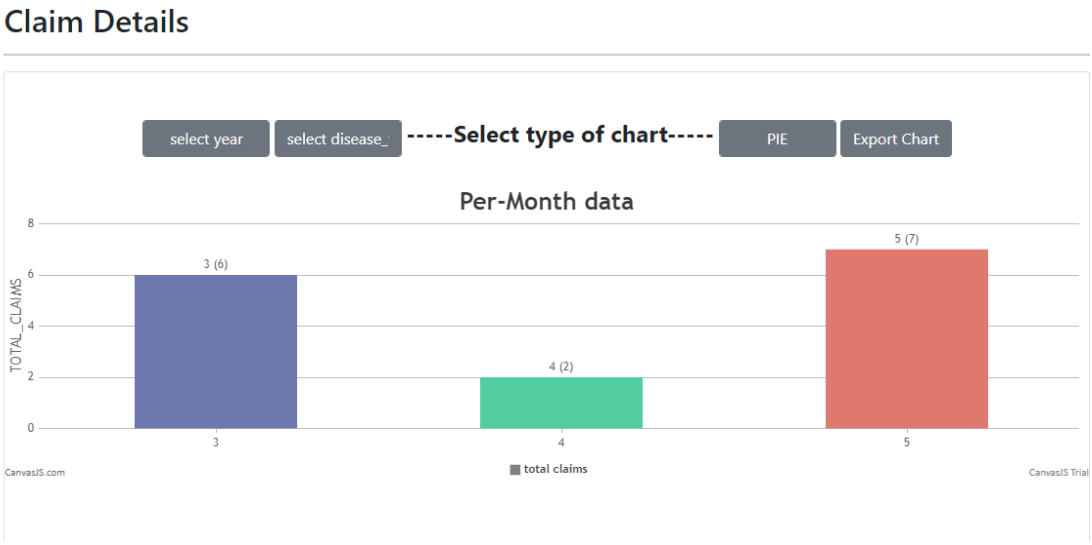
Hospital Home:



Claim Form:



Reports:



33	Cardiac	50	1	2022-05-01	2022-05-09	2022-05-07 15:53:21
34	Cardiac	50	1	2022-05-01	2022-05-09	2022-05-07 15:53:21
35	Cardiac	50	1	2022-05-01	2022-05-09	2022-05-07 15:53:21
36	Cardiac	50	1	2022-05-01	2022-05-09	2022-04-07 15:53:21
37	Cardiac	50	1	2022-05-01	2022-05-09	2022-04-07 15:53:21
45	Cardiac	50	1	2022-05-01	2022-05-09	2022-03-07 15:53:21
46	Cardiac	50	1	2022-05-01	2022-05-09	2022-03-07 15:53:21
47	Cardiac	50	1	2022-05-01	2022-05-09	2022-03-07 15:53:21
48	Cardiac	50	1	2022-05-01	2022-05-09	2022-03-07 15:53:21

Print PDF

5.3 TESTING AND TEST CASES:

5.3.1 TESTING:

Software Testing is a method to check whether the actual software product matches expected requirements and to ensure that software product is Defect free. It involves execution of software/system components using manual or automated tools to evaluate one or more properties of interest. The purpose of software testing is to identify errors, gaps or missing requirements in contrast to actual requirements.

Test Case: Registration

Test Case Id	Case Name	Test Data	Expected output	Actual Output	Result
1	User enter Registration details including username	Enter the unique username as first time registration	Registered successfully	Prompts successful registration	Pass
2	User enter Registration details including username	Enter the Username from existing registered users	Prompts Error message	Prompts Error message	Pass

Table 5.1

Test Case: Login

Test Case Id	Case Name	Test Data	Expected output	Actual Output	Result
1	User enter Login details including username	Enter the Username and password	Login successfully	Home Page	Pass
2	User enter Login details including username	User enter wrong email id or password	Prompts Error message	Prompts Error message	Pass

Table 5.2

5. DOCUMENTATION AND INSTALLATION

5.1 DOCUMENTATION

Life Good Insurance Portal is developed using Php My_admin with integration of Laravel Framework along with MySql real-time database for the backend.

Laravel is **one of the world's most popular PHP framework for building web applications from small to large projects.** Due to its performance, features and scalability, Laravel is the choice of professional developers. You can customize Laravel so quickly that you can build your own project structure to meet your web application requirements

5.2 INSTALLATION

5.2.3 Requirement

1] VS Code
2] Laravel
3]Phpmyadmin

5.2.4 Installation steps:

Laravel uses composer. Make sure you have a Composer installed on your system before you install Laravel.

Laravel & with Composer Installation

Step 1 − Visit the following URL and download composer to install it on your system.

https://getcomposer.org/download/

Step 2 − After the Composer is installed, check the installation by typing the **Composer** command

Step 3 − Create a new directory anywhere in your system for your new Laravel project. After that, move to path where you have created the new directory and type the following command there to install Laravel.

```
composer create-project laravel/laravel --Insurance project
```

Step 4 − The above command will install Laravel in the current directory. Start the Laravel service by executing the following command.

```
php artisan serve
```

Chapter 6 SYSTEM MAINTENANCE

- Maintenance is applied when certain functional or improved changes are being recommended for the system.
- Maintenance required for update news source.
- To solve the compatibility issues or also during hardware upgradation of the machine on which the application will be running.
- Backup of Database should be taken frequently to prevent loss of data in case of any problems.
- System Maintenance also takes place when we have to make some changes in the database either in its structure or migrations of data.

Chapter 7 FUTURE ENHANCEMENT

- Sentimental analysis can be done for better understanding of disease that can be further registered.
- Can integrate some Api of zoom etc to communicate between mentor and student.
- Auto generated mailing service .

Chapter 8

LIMITATIONS

- Sharing of data is not applicable in the current version of the application, which restricts the users from sharing it to other platforms conveniently.
- Auto generated mailing service not enabled.

Chapter 9

CONCLUSION

- The interface provides ease to access data without consuming time.
- Being developed in Laravel technology, it becomes easier for any updates of new features in future or in current modules.
- Application becomes easy to access from any mobile devices and desktop as well.

Chapter 10

BIBLIOGRAPHY

Laravel - The PHP Framework For Web Artisans

Laravel Quickstart - Laravel - The PHP Framework For Web Artisans

Web References:

Laravel | MySQL Database Connection - GeeksforGeeks

GitHub: Where the world builds software · GitHub

canvasapi · PyPI