

Palus Shikshan Prasarak Mandal's

Arts, Commerce and Science College, Palus

A

PROJECT REPORT

ON

"HEALTH INSURANCE"

Submitted To

"Shivaji University, Kolhapur"

For The Partial Fulfillment of The Degree of

B.Sc. Part - III Computer Science (Entire)

Submitted By,

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Under the Guidance of

Miss. A.S.Patil

Department of Computer Science

[Year 2023-2024]



Palus Shikshan Prasarak Mandal's

Arts, Commerce and Science College, Palus

CERTIFICATE

This is to certify that the project entitled "Health Insurance" Submitted by Mr. Abhishek Sharad Kadam & Mr. Somnath Bhauso Mithari in partial fulfillment of the requirement of Bachelor of Computer Science for academic year 2023-2024.

Place:-Palus			
Date: / /			
Miss.A.S.Patil	Mr. A. G. Gavade	Dr. R.S.Salunkhe	
Project Guide	H.O.D		Principal
Examiner 1:			
Examiner 2:			

DECLEARTION

To,

The Principal,

Palus ShikshanPrasarakMandal's

Arts, Commerce and Science College,

Palus.

Respected Sir,

We undersigned hereby declare that the project entitled "Health Insurance" developed and submitted by us and under the guidance of Miss.A.S.Patil is our original work. The empirical finding in this project work is based on the information collected by me, while preparing this project we have not copied from any other report submitted to Shivaji University, Kolhapur earlier.

We understand that any such copying is liable to be punished in a way the centre university authority may be deem fit.

Place: Palus.

Date: / /

Mr. Abhishek Sharad Kadam

Mr. Somnath Bhauso Mithari

ACKNOWLEDGEMENT

The struggle, hard work and proper guidance leads to success. It is a golden moment and great pleasure to present this report on

"Health Insurance".

We take this opportunity to express our gratitude towards our department. We are thankful to our project guide Miss.A.S.Patil for the kind of helping hand.

We wish to express our knowledge about computer science thanks to principal Dr. R.S.Salunkhe And Mr. A. G. Gavade (Head of Computer Science Department and all teaching) and non teaching staff for their extraordinary help throughout period of our project.

We once again thank all the staff members for their timely help and inspiration they gave us. Finally we are thankful to our friends and colleagues for the inspiration and encouragement they gave us through the project.

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Health Insurance
INTRODUCTION

Introduction

- ❖ We are developing website named HEALTH INSURANCE.

 The main objective behind this project is to develop a web oriented application which can provide online Insurance features to users.
- We require like covers medical expenses, including hospitalization, doctor visits, and prescription medications. It's important to choose a plan that suits your needs and budget

Through this system user are able to view different type of policy available. Users also able to pay payment for their purchase. In this project we can create two types of modules named admin and user. Admin manages this two modules be add different policy to the system and user can able to buy this policy after he/she registration on the system. Users pay for their purchase and do online payment users also give their valuable feedback.

1.1 Existing system

- Existing system is totally manual.
- It is time consuming process.
- To take information about insurance you have to go to that place.
- It is manual system so, there is more waste of paper.
- You cannot generate any type of reports indifferent formats.

1.3-Need and scope of computer system

Saving of manpower and time:-

Due to computerization of system all the transaction carried out automatically. Also there is no need of transfer the entries to multiple Register, if one record is enter all corresponding effects to the required register is carried out automatically.

❖ Accuracy and efficiency:-

No wrong data entry is possible because of the validation checks given by the system.

***** Early and correct decision making:-

Because of fast communication, report making procedure is simplified and fast. The complexity of the process is reduced.

! Immediate response to queries:-

Due to computerization the queries of user of system can be easily and quickly answered.

1.4-Organization Profile

The system is developed for the main aim of online Health insurance System is to provide different types of facilities like keeping purchase policy and insurance information, make digitalized system for storing policy orders and complaints and to access at any time.

PROPOSED SYSTEM

2.1 Objectives

- ❖ To get timely and quickly available of data at various stage.
- ❖ To make system user friendly.
- To improve data accuracy, retrieval of information and operation, Processing speed
- ❖ To maintain data security.
- * To generate various reports.
- ❖ To reduce paper work and also reduce drawback of manual work.
- ❖ To save time and also to increase efficiency.

2.2 Requirement Gathering:-

Requirement gathering is most important part for developing software.

To gather information we use following two ways

- **1. On site observation-** On site observation means observing the format of how they keep record, how maintain records. By observing their work we take notes.
- **2. Going through manual document**-We gather information from their manual document that is registers files. During development of the system, under consideration following methodologies was used.

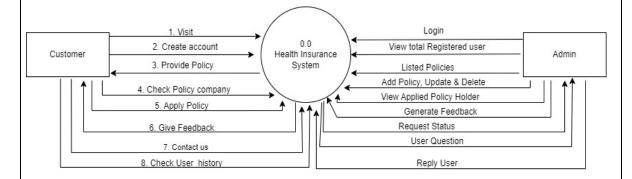
The existing manual system carefully studied with its drawbacks.

- Requirement of system were noted after interviewing the concerned system staff.
- ❖ The various field were and relevant data taken from the fields.
- While developing system various suggestions was taken from concern staff.
- The gathering information was categorized into groups and subgroups.
- The necessary program was developed with the help of system with necessary specification.
- Debugging and testing of program were performed by testing of data.
- ❖ Formation of well system was done in order to achieve coordination among individual modules.
- ❖ Lastly, the necessary documents were performed.

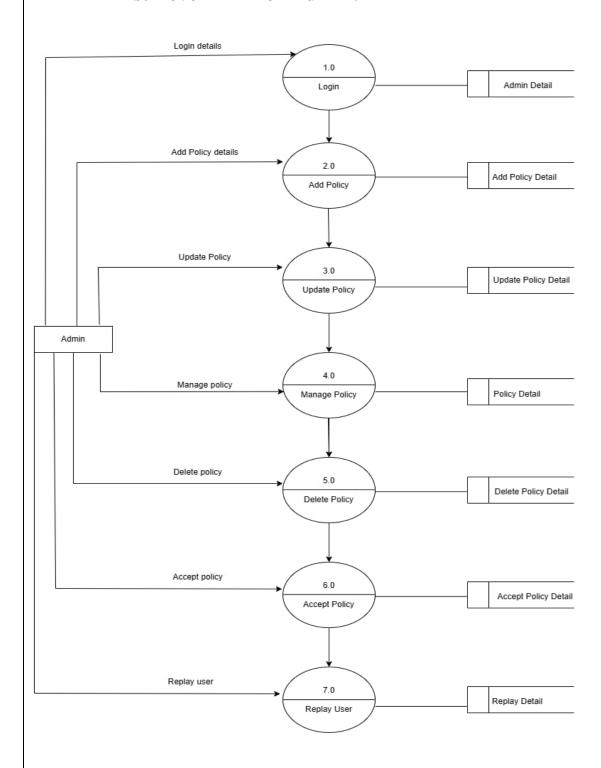
SYSTEM ANALYSIS

3.1 Data Flow Diagram

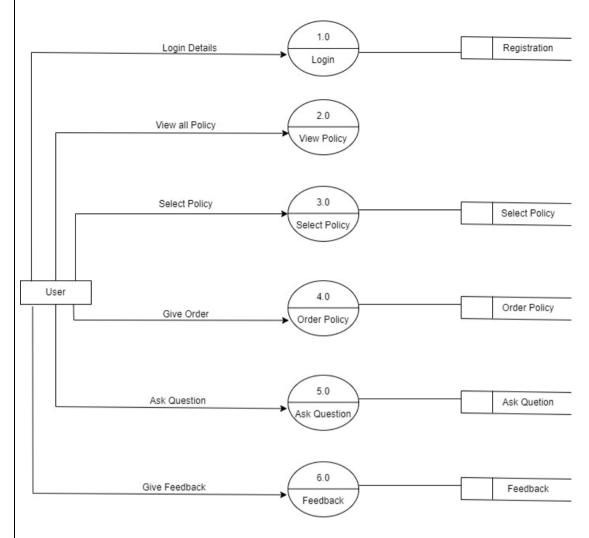
Context Level DFD:-



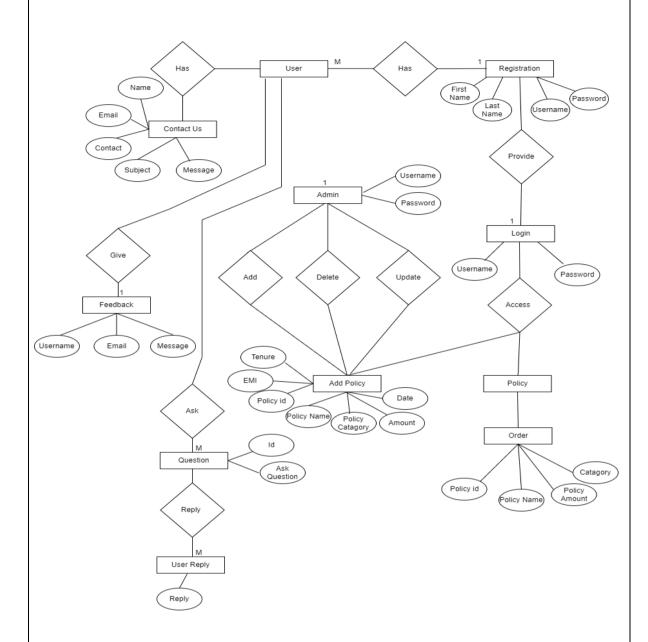
First Level DFD for Admin:-



First Level DFD for Customer:



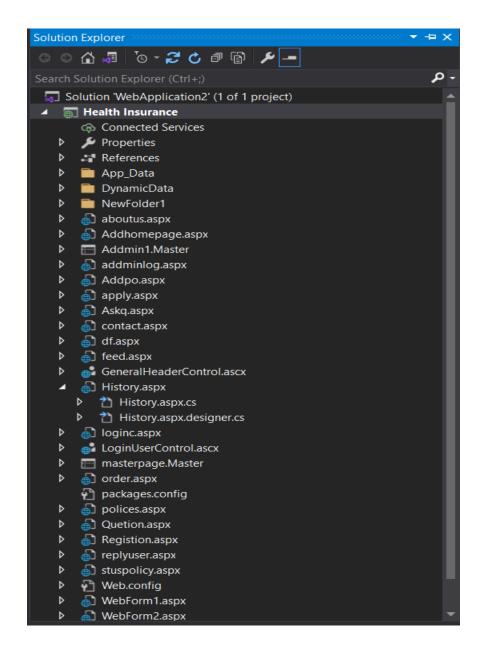
3.2-Entity Relationship Diagram:-



SYSTEM

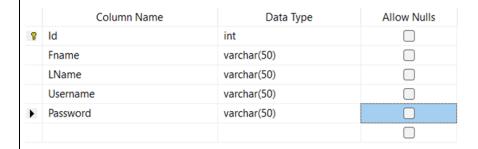
DESIGN

Solution Explorer:



Database Design

Registration detail Table:



User Login detail Table:

	Column Name	Data Type	Allow Nulls
8	ld	int	
	usernm	varchar(50)	
•	password	varchar(50)	

Column Name	Data Type	Allow Nulls
name	int	0
email	varchar(50)	
contact	int	
subject	varchar(50)	U
message	varchar(50)	
Add Policy Ta	ble:	
Column Name	Data Type	Allow Nulls
Column Name d	Data Type int	Allow Nulls
Column Name d	Data Type int int	_
Column Name d dno Name	Data Type int int varchar(50)	
Column Name d dno Name Category	Data Type int int varchar(50) varchar(50)	
Column Name d dno Name Category	Data Type int int varchar(50)	
Column Name d dno Name Category Amount	Data Type int int varchar(50) varchar(50) int	
Column Name d dno Name	Data Type int int varchar(50) varchar(50) int int	

Contact us Table:

	Column Name	Data Type	Allow Nulls
	name	int	
١	email	varchar(50)	
	contact	int	
	subject	varchar(50)	
	message	varchar(50)	

Feedback Table:

	Column Name	Data Type	Allow Nulls
P	Id	int	
	username	varchar(50)	
	email	varchar(50)	
Þ	message	varchar(50)	

Health Insurance
IMPLEMENTATION

- Hardware and Software Specification:-
- > Hardware Specification:-
- **Hard Disk:** Minimum 40 GB.
- **RAM:** Minimum 2 GB.
- > Software Specification :-
- Operating System: Windows XP/Windows 12
- Front End: C#.Net (Visual Studio Basic 2019).
- **Back End:** Microsoft SQL Server 2019.
- > Server provider :-

GoDaddy ,Bluehost, Hostinger, HostGator

- > Development tools :-
- ASP. NET with C#.
- Crystal Reports.
 - > **Documentation Tools:** -
 - MS- Word

Fact Finding Techniques (methods):-

Gathering facts is not virtual; it should be done with diligence. Information gathering and complex organization is not an easy task. It has to be in an organized way.

- a. No system details are left out.
- b. Right problems are identified and repetitive problems are avoided.
- c. Wrong or incomplete details are not collected. Fact finding techniques that are commonly used, they are

Existing system document review:-Record and Document Searching.

• Interviewing:-

The method is used to collect the information. It gives quantitative information about problems. Failures, objectives, constraints.

Record Viewing:-

This method is used to establish the information. It includes different types of files maintained for everyday collection of information.

Project Planning:-

We were suggested by our guide to choose as hope which can be actually observed and studied closely we decided to choose DEWALT Power Tools. So we can observe the different types of products that can purchase various types of policy. They were helping us to design our website more efficiently and neatly We first dissified all the policy according to their categories Then we referred to the similar e-commerce websites to get the ideas for designing so we could improve our work. We distributed equal work to each of our team member.

5 User Guidelines Front End:-

Introduction to ASP.NET with C#

ASP.NET is a development environment which runs under Microsoft Visual Studio 2019. ASP.NET is "Event Driven" because all activities in a program are triggered by one event or another. ASP.NET is also called as "Object based language" because it moves around object/control. Development process in ASP.NET is very fast as compare to Traditional Procedure Oriented Programming. So, ASP.NET is very useful environment for develop web Applications. The basis of this development platform, it consist of two primary components —

1.Common Language Runtime -

It is the environment where all programs in .NET are run. It provides various services like memory mgmt & thread mgmt. Programs that run in the CLR need not manage memory, as it is completely taken care by the CLR.

2. The .NET Framework Base class –

Software developer uses a personalized set of tools in terms of classes & components. The

.NET class library provides a common interface between all the different .NET programming languages.

Features of .NET Framework:

- ➤ .NET has Multilanguage support. It supports multiple languages which are .NET compatible and a single language can be used to implement various types of applications.
- ➤ .NET has the concept of CLR (Common Language Runtime) which will be installed on the target computer for different types of applications developed using different types of programming languages.
- ➤ .NET have large amount of built in facilities to develop web applications.
- ➤ .NET provides you the concept of Assemblies using which we can avoid the DLL hell problem.
- > .NET has full support for the XML that can be used as data exchange standard.
 - ➤ .NET provides you code Based Security.
- ➤ Beside this .Net has ADO.Net and ASP.Net the two new technologies to implement the .Net Applications.

• Multilanguage Support :

You can develop the .Net applications using various programming languages those are .Net compatible. A programming language who want to compatible to the .Net framework have to follow the specifications from CTS (Common type Specification) and CLS Common Language Specification) which is part of the CLR.

• Common Language Runtime:

It is the heart of the .Net Framework. It manages the activities from loading program in computer memory to its proper execution. In case of .Net you do not need multiple language runtimes required to be installed on the target machine you

want to execute multiple applications developed using different programming languages.

• Assemblies :

It is the new facility available in .Net framework by which DLL hell problem is solved. Assemblies are also called as unit of deployment where in it will hold a Meta data which will contain all the information regarding each and every thing about the project libraries and files.

• Code Based Security:

Previous to the .Net, we had user level or object level security. That means you need a user name and password to enter inside the system or to access and use the object. Indirectly we can control the accessibility by putting the requirement of user id and password up to object level here in .Net you have the code based security by which you will be able to secure single code block by username and password.

SQL server is a free and easy to use database product. It is designed to provide a database platform that offers superior ease of use, enabling fast deployments for its target scenarios. Features like auto close & the ability to copy database as file which are enabled by default in SQL server , while the high availability & business intelligence features are absent . It is very easy to "scale up". SQL server was developed with two distinct uses in mind. The first is as server product , especially as a web server or database server . Second is as local client data store where the application data access does not depends on the network. Ease of use and simplicity are the key goals.

The two main usage scenarios of

SQL server are: Hobbyist building

client/server application.

Microsoft Sql Server

For SQL server, one of the goals is to provide secure defaults for the different components. For instance, the networking protocols such as TCP/IP and Named Pipes are turned off. SQL browser service is not started unless the user explicitly asks for this in the setup command line .The SA or system admin account is disabled by default if Windows Authentication is used. Normal users on the machine have almost no privileges on the SQL server instance. A local Administrator on the server must explicitly grant relevant permissions for normal users so that they can use SQL functionality .

Attach 'DB' Filename

You can specify a relative or absolute file path for the Attach DB File Name connection string entry. The specified database file is attached when the connection is opened and this database is used as the default database for that connection. If the database is already attached when Attach DB File Name is invoked, then attach does nothing. This keyword supports a special string called |Data Directory| that points at runtime to the data directory of the application where database files are stored. This special string should be at beginning of the file path, works only against a local file system, and checks are done for Syntax so that the file path is not higher than the Feature Description

□ Online Restore

With SQL server 2019, database administrators are able to platform a restore operation while an instance of SQL Server is running. Online restore improves the availability of SQL Server because only the data being restored is unavailable; the rest of the database remains online and available.

Online Indexing Operations

The online index option allows concurrent modifications (updates, deletes, and inserts) to the underlying table or clustered index data and any associated indexes during index data definition language (DDL) execution. For example, while a clustered index is being rebuilt, you can continue to make updates to the underlying data and perform query against the data. Fast Recovery A new faster recovery option improves availability of SQL Server databases. Administrators can reconnect to a recovering database after transaction log has been rolled forward. SQL Server Management Studio SQL Server 2019 includes SQL Server Management Studio, a new integrated suite of management tools with the functionality to develop, deploy and troubleshoot SQL Server database, as well as enhancements to previous functionality. **Dedicated Administrator Connection** SQL Server 2019 provides a dedicated administrator connection that administrators can use to access a running server even if the server is

. This capability enables administrators to troubleshoot problems on a server by executing diagnostic functions or Transact-SQL statements.

rectory pointed to by the substitution string. Hosted Common Language Runtime With SQL Server 2019 developers can create data base object using familiar languages such as Microsoft Visual C#.NET and Microsoft ASP.NET. Developers can also create two new objects—user-defined types and aggregates.

□ Native XML Support

locked or otherwise unavailability.

Native XML data can store, queried, and indexed in SQL Server database allowing building new classes of connected applications around Web services and across any platform or device.

Security Enhancement

The security model in SQL Server 2019 separates users from objects, provides fine-grain access, and enables greater control of data access. Additionally, all system tables are implemented as views, providing more control over database system objects.

Web Services

With SQL Server 2019 developers can develop Web services in the database tier, making SQL Server a hypertext transfer protocols (HTTP) listener and providing a new type of data access capabilities for Web services access capability for Web service –centric applications.

Health Insurance
SCREENSHOTS

Home Page:-

Home page of the website.



Health Insurance



||| Home | About Us | Contact Us | FeedBack | Ask Q | History | Member Login | Admin |||



About Us:-

This page shows about us of Health Insurance.



Health Insurance



| | | Home | About Us | Contact Us | FeedBack | Ask Q | History | Member Login | Admin | | |

This project is aimed to developing an online Health Insurance System. An Organization wants to starts Health Insurance against its Patient.

The Health insurance system will maintain all information related to the Patient, maintenents against start of medical services p
by the hospital to the patient, claim settlements & adjustments against their services authorizing by the Insurance Companies.

Additionally this system can also maintain the health related all information of the patient.

Ask Question:-

This page shows that Ask Question.



Contact Us:-

This page shows that Contact of Health Insurance.



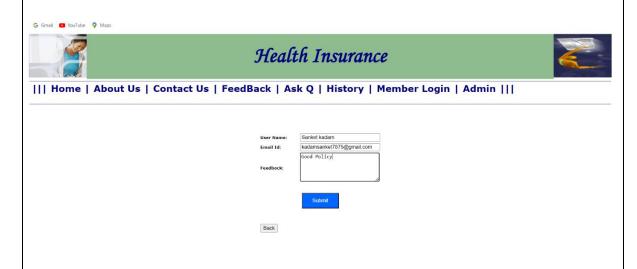
Policy Pages:-

This pages show the information about policy & information.



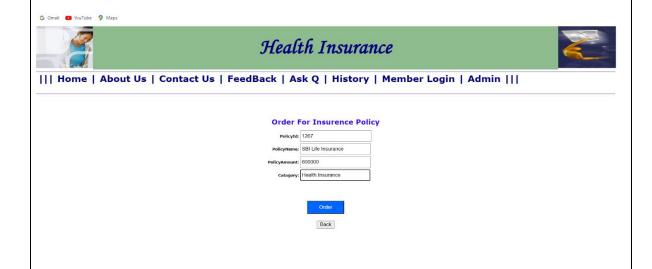
Feedback:-

This pages show the Feedback.



Order Page:-

This page shows the Order policy for customer.



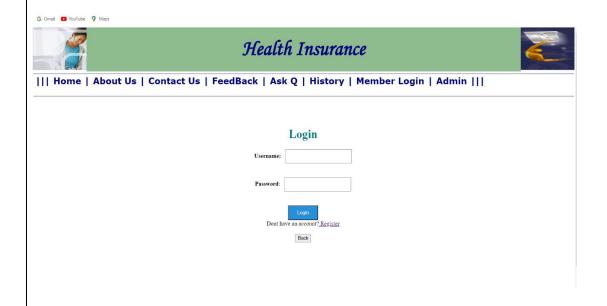
Admin Login:-

`This page shows the Admin Login for admin.



Login Form:-

This page shows the Login form for customer.



Registration Form:-

This page shows the Registration form for customer.



Admin Home Page:-

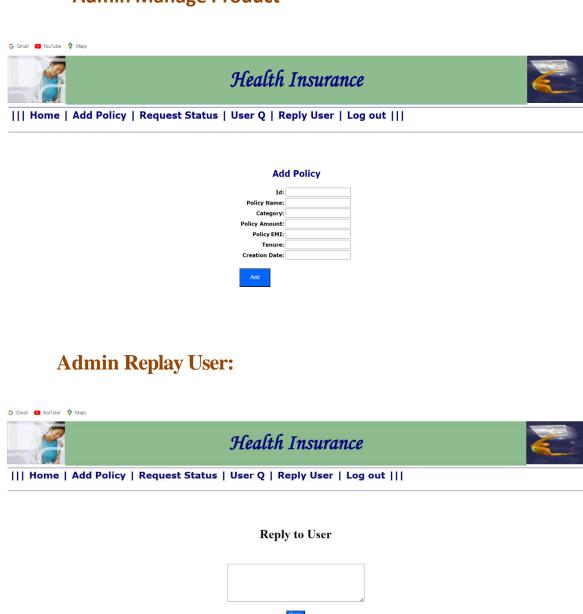
Admin Home Page for admin.



Admin Manage Policy:



Admin Manage Product





User Qustion for Admin:





REPORTS	

Policy Details Report:

	Id	Policy Id	Policy Name	Policy Amount	Catagory
Edit Delete	2	1267	SBI Life Insurance	600000	Health Insurance
Edit Delete	4	1768	LIC Life Insurance	480000	Health Insurance
Edit Delete	5	1369	Tata Life Insurance	200000	Health Insurance
Edit Delete	6	1170	ICICI Life Insurance	260000	Health Insurance

Admin Add Policy Details Report:

	Id	Policy Id	Policy Name	Category	Policy Amount	Policy EMI	Tenure	Policy Date
Edit Delete	1	1267	SBI Life Insurance	Health Insurance	600000	28000	21	12-01-2022 00:00:00
Edit Delete	2	1768	LIC Life Insurance	Health Insurance	480000	26000	18	09-07-2022 00:00:00
Edit Delete	3	1369	Tata Life Insurance	Health Insurance	200000	12500	16	03-04-2023 00:00:00
Edit Delete	4	1170	ICICI Life Insurance	Health Insurance	260000	14500	18	21-02-2024 00:00:00

Feedback Report:-

Id	Username	Email	Message
1	Manoj	manoja@patil.com	Good software
2	Sudip	jadhavsuda@gmail.com	Very expensive
3	Pravin	pravin99@gmail.com	Good but price is high
4	Sambhaji	rajasambha@gmail.com	Add More Policy
5			

Contact Us Report:-

Id	Username	Email	Contact No	Subject	Message
1	Manoj	manoja@patil.com	9373125576	shugare	It is in Policy
2	Suraj	suraj@patil.com	6438883733	policy releted	good policy
3	Nikhil	nikhil@kale.com	9067453568	policy on Car	you have a policy of care
4	Pratiksha	pratiksha@kale.com	6578938839	prrice of policy	sent price of policy
5					

Registration Report:-

Id	Frist Name	Last Name	Username	Password
4	somnath	Mithari	Soma	Soma!123
5	Prathmesh	mithari	soma	789
6	Annasaheb	Gavade	gavade gurugi	453
1.1	А	14 1		100

Admin Login Report:-

Id	Usernm	Password
1	admin	Addmin#10
2	Somnath	Somnath\$20
3	Abhishek	Abhi@30
4	Sanket	Sanket%50

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Conclusion:

In conclusion, the health insurance project aims to provide comprehensive coverage to individuals, ensuring access to quality healthcare. By leveraging technology, streamlining processes, and promoting preventive care, the project strives to enhance overall well-being while managing costs effectively. It underscores the importance of collaboration between stakeholders, regulatory compliance, and continuous adaptation to evolving healthcare landscapes. Ultimately, the success of the health insurance project hinges on its ability to address diverse needs, promote inclusivity, and contribute to a healthier and more resilient society.

Health Insurance
LIMITATION

Limitations

Limitation for New Users of the Health Insurance Events:

- 1. User cannot reject their policy if once it can be registered.
- 2. Admin cannot delete or remove any user form our system.
- 3. Admin cannot change the user registerd policy.

SUGGESTION	
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Suggestions

- For starting system we should give correct user name, password and if it is correct then it provide access to the System.
- Report menu handle carefully.

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FUTURE ENHANCEMENT

Future Enhancement:

- 1. In future we can provide online payment system for user.
- 2. In future we can also other insurance like bike and car.
- 3. In future we can provide a best insurance like claim insurance on our system.
- 4. In future we can provide family insurance.

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Chat GPT		

Health Insurance