



Medical Billing and Claims Management System

At CareAssist, we embark on a mission to revolutionize healthcare management through our cutting-edge project - an innovative and comprehensive solution designed for the future of medical billing and claims management

Trainer : Javeed Sir

Project Member:

- **Rajat Darvhekar**
- **Hema Sree**

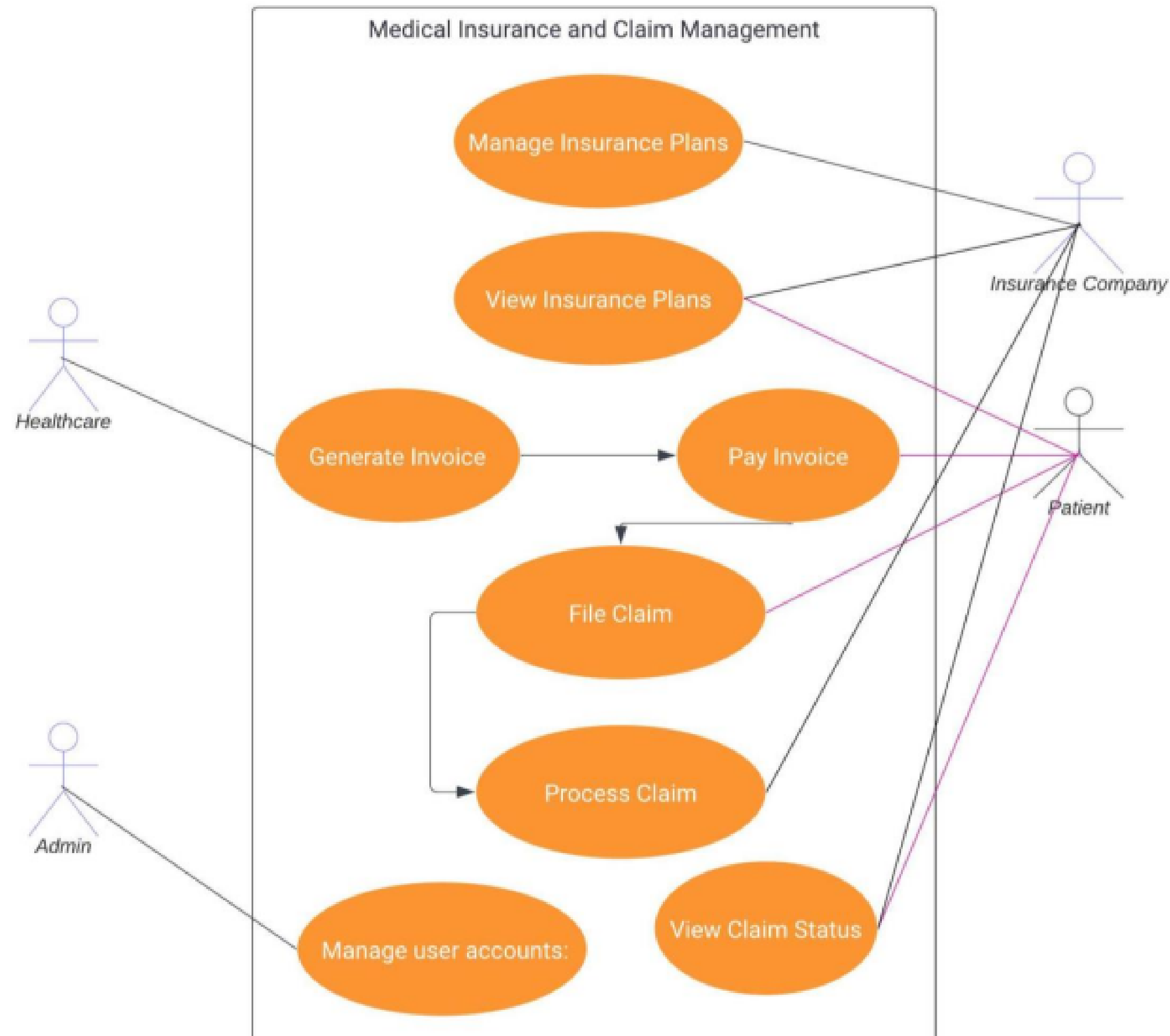
Problem Statement

Medical Billing And Claims Management System

Problem Statement : The Medical Billing and Claims Management System is a comprehensive application designed to streamline the complex process of medical billing, claims submission, and reimbursement for healthcare providers, insurance companies, and patients. The system aims to reduce administrative burdens, improve accuracy, and enhance communication between stakeholders.



Use Case Diagram



Actors

Patient:

- Use Case: Register as a new patient.
- Use Case: Log in as an existing patient.
- Use Case: Update personal information.
- Use Case: view all insurance plan details.
- Use Case: Select an insurance plan.
- Use Case: View invoice.
- Use Case: Submit a claim

Healthcare Provider:

- Use Case: Log in as a healthcare provider.
- Use Case: Generate an invoice.
- Use Case: Notify patient of the invoice

Administrator:

- Use Case: Log in as an administrator.
- Use Case: View system dashboard.
- Use Case: Manage user accounts

Insurance Company:

- Use Case: Review and process claims.
- Use Case: Approve claims.
- Use Case: View patient claim history

Technologies Used

Backend

- Spring Rest
- Spring data JPA
- JWT Authentication
- JUnit

Testing

- Unit Testing

Front End

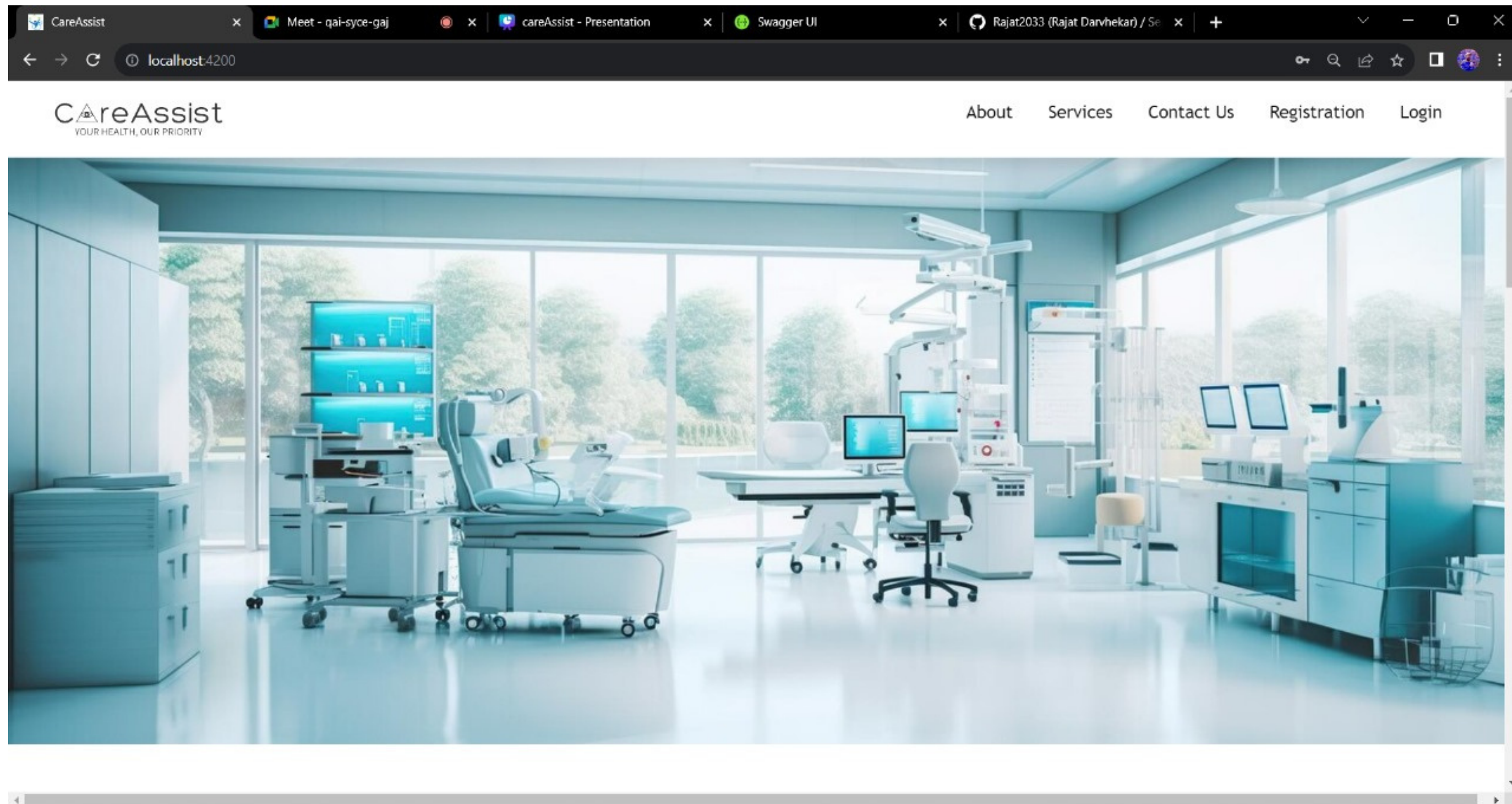
- HTML, CSS
- BootStrap
- Angular

Code Quality Analysis

- SonarLint

Screenshots of Our Project

Home Page



Admin Dashboard

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Patients

Healthcare Providers

Insurance Companies

Insurance Plans

Invoice Details

Claim History

Add New Admin

Logout

Welcome Kanchan Admin Dashboard

All the Patients List

Sr No.	Id	Name	Email	DOB	Gender	Phone	Address	Disease	Action
1	2	Rajat	rajatdarvhekar2033@gmail.com	2007-09-20	Male	9834718067	Gajanan Square , Sakkaradara Road	Night Blindness	Delete
2	3	Hema	hemasree789@gmail.com	2005-07-21	Female	9836547320	Telangana	Typhoid	Delete
3	4	Pranay	pranayikhar712@gmail.com	2000-11-18	Male	7965483280	Nagpur	Fractured Leg	Delete

Patient Dashboard

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View Insurance Plans

Update Details

View Invoice Generated

View Claim History

Logout

Welcome Hema : Patient Dashboard

Search Insurance Plan By Type

Medical

Search

All the Insurance Plans List

Sr No.	Plan Id	Plan Name	Plan Type	Cover Amount	Plan Emi	Details	Action
1	1	Medico	Medical	650000	1500	Covers all the medical claims in future.	Request Claim

Provider Dashboard

CareAssist


Meet - qai-syce-gaj

careAssist - Presentation

Swagger UI

Rajat2033 (Rajat Darvhekar) / Se

localhost:4200/provider/dashboard/getpatients

YOUR HEALTH, OUR PRIORITY

Get All Patients

See Patient Details

Update Data

Logout

Welcome Sudhakar : Provider Dashboard

All the Patients List

Sr No.	Id	Name	Email	DOB	Gender	Phone	Address	Disease	Action
1	2	Rajat	rajatdarvhekar2033@gmail.com	2007-09-20	Male	9834718067	Gajanan Square , Sakkaradara Road	Night Blindness	Generate Invoice
2	3	Hema	hemasree789@gmail.com	2005-07-21	Female	9836547320	Telangana	Typhoid	Generate Invoice
3	4	Pranay	pranayikhar712@gmail.com	2000-11-18	Male	7965483280	Nagpur	Fractured Leg	Generate Invoice

Company Dashboard

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+ Add New Insurance Plan

≡ View Claims

≡ Update Claim

≡ Update Company

Logout

Welcome Polo : Company Dashboard

≡ All the Insurance Claims List

Sr.No	Claim Id	Claim Amount	Claim Status	Hospital Bill	Patient Name	Plan Name
1	11	66000	Pending	99000	Hema	Medico

Q Search Patient

Hema

Search

≡ View Patient History

Sr No.	Id	Name	Email	DOB	Gender	Phone	Address	Disease
1	3	Hema	hemasree789@gmail.com	2005-07-21	Female	986547329	Telangana	Typhoid

@reallygreatsite

Generated Invoice



Invoice Details

- Invoice Id : 500
- Invoice Date : 2023-12-22
- Invoice Due Date : 2023-12-30
- Patient Id : 1
- Patient Name : Rajat
- Patient Address : Gajanan Square , Sakkaradara Road
- Invoice Tax : 9
- Consultation Fees : 1200
- Diagnostic Test Fees : 15000
- Diagnostic Scans Fees : 36000
- Calculated Amount : 52200
- Total Bill Amount : 56898



**Thank
You.**

For Your Attention