



# Medical Billing and Claims Management System

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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

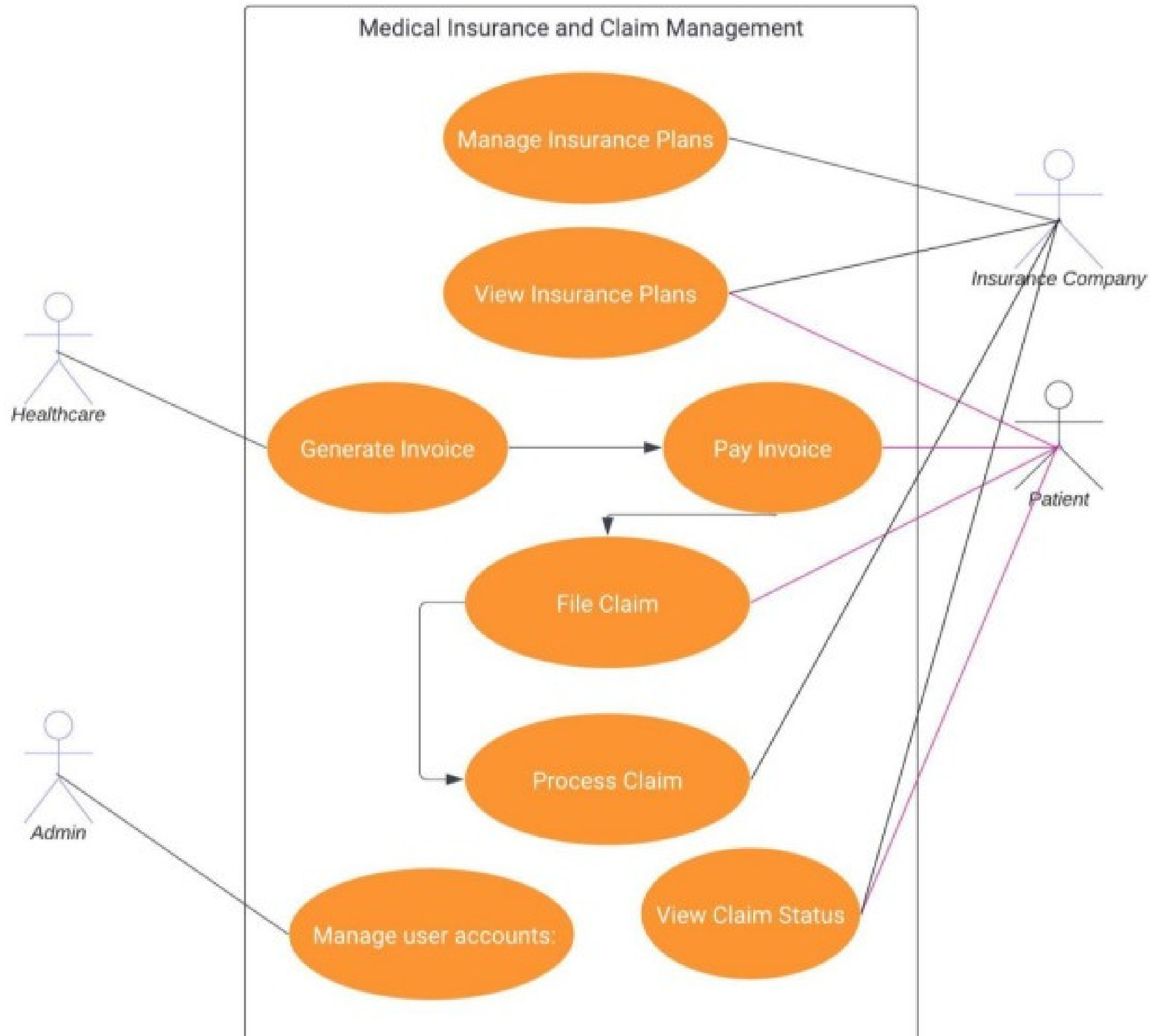


# Problem Statement

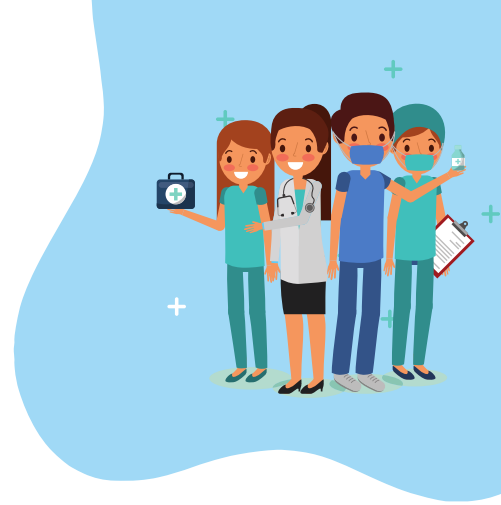
## Medical Billing And Claims Management System

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.





# 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



# Home Page

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## Welcome to CareAssist

Efficiency meets innovation in healthcare billing. Explore our comprehensive solutions for seamless medical billing and claims management. Simplify administrative tasks and enhance patient care with CareAssist. Dive deeper into our offerings and revolutionize your billing experience.

[Explore More](#)

# Admin Dashboard

Home Patient Health Care Provider Insurance Company Plans Claims Invoices Profile



Search

Search By Id

Search By Name



+ Add Admin

#id	Name	Email	Action
1001	Kumar Viran	kumar@gmail.com	<div>Delete</div>
1002	Narayan Kumar	narayankumar@gmail.com	<div>Delete</div>
1004	Natik Shashtri	natish@gmail.com	<div>Delete</div>



# Patient Dashboard

**Browse Plans**   Active Plans   Request Invoice   My Invoices   My Claims   My Profile



Search By Id

Search By Name



#planId	Name	Description	Date of Creation	Coverage Amount	Action
6053	HealthShield Plus	HealthShield Plus provides comprehensive coverage for medical expenses, including hospitalization, surgery, and prescription medication costs.	2024-03-01	25000	<a href="#">+ Purchase Plan</a>
6055	WellnessCare Plan	WellnessCare Family Plan offers holistic healthcare coverage for your entire family. This plan includes benefits such as doctor consultations, diagnostic tests.	2024-03-01	25000	<a href="#">+ Purchase Plan</a>
6056	MediGuard Plan	MediGuard Senior Citizen Plan is specially designed to cater to the healthcare needs of elderly individuals. This plan provides coverage for age-related medical expenses.	2024-03-01	22000	<a href="#">+ Purchase Plan</a>
6057	HealthFlex Plan	HealthFlex Comprehensive Plan offers flexible coverage options tailored to your specific healthcare needs. This plan includes benefits such as hospitalization expenses, outpatient treatments, maternity.	2024-03-01	30000	<a href="#">+ Purchase Plan</a>



# Provider Dashboard



Search

🔍 Search By Id

[illegible]

# Company Dashboard

Home   Claims   Profile



🔍 Search By Id

🔍 Search By Name

🔄

+ Add Plan

#planId	Name	Description	Date of Creation	Coverage Amount	Action
6056	MediGuard Plan	MediGuard Senior Citizen Plan is specially designed to cater to the healthcare needs of elderly individuals. This plan provides coverage for age-related medical expenses.	2024-03-01	22000	<div><div>🗑 Delete</div><div>/</div><div>✎ Edit</div></div>
6057	HealthFlex Plan	HealthFlex Comprehensive Plan offers flexible coverage options tailored to your specific healthcare needs. This plan includes benefits such as hospitalization expenses, outpatient treatments, maternity coverage, and alternative therapies.	2024-03-01	30000	<div><div>🗑 Delete</div><div>/</div><div>✎ Edit</div></div>

# Thank You

