

Abstract

This project develops a Full-Stack Health Insurance Lifecycle and Claims Management System using ASP.NET Core Web API and Angular. The system manages Individual, Family Floater, and Senior Citizen health insurance policies within a secure, role-based platform using JWT authentication. The Admin defines insurance plans and monitors reports, Agents create policies and assist customers, Customers can purchase policies, track coverage utilization, raise claims, and renew plans, while Claims Officers process claims.

The system enhances traditional insurance platforms by providing transparent premium breakdown, policy lifecycle tracking, structured claim progress monitoring, billing summaries, and role-based dashboards with data visualization charts for revenue, claim status, and performance analytics. This approach ensures operational transparency, efficiency, and complete policy lifecycle management in a scalable and secure architecture.