**Insurance Management System**

**1.Executive Summary**:

The Insurance Management System is a web-based platform designed to streamline the insurance application process. It enables users to securely register, login, browse insurance policies, apply for policies, and track their application status. The admin module allows managing policies and reviewing customer applications.

This project is built with React (Frontend), Spring Boot (Backend), and MySQL (Database) ensuring scalability, security, and reliability.

**2.Business Objectives**

* Automate the insurance policy application process.
* Provide a user-friendly experience to customers.
* Enable admins to efficiently manage policies and monitor applications.
* Ensure data integrity, security, and compliance with industry standards.

**3.Scope of the Project :**

**In Scope**

* User registration & login
* User dashboard for policy listing
* Policy application form
* Application status tracking
* Admin dashboard for policy management and application review

**Out-of-Scope (Phase 1):**

* Online payment integration
* Third-party insurance APIs
* Mobile application support

**4.Stakeholders End Users (Customers):**

* Apply for policies, track applications.
* Admin (Insurance Company Staff): Manage policies & monitor applications.
* Build and maintain the system.
* Management: Oversee project alignment with business goals.

**5.Functional Requirements**

* User Registration & Authentication (with validations)
* Policy Listing (fetch from backend & display)
* Apply Policy (form submission → backend → DB)
* Application Status (fetch application state from DB)
* Admin Policy Management (CRUD operations)
* Admin Application Review (list all user applications)

**6.Non-Functional Requirements Performance:**

System must handle 500+ concurrent users.

* Scalability: Backend must support addition of new modules.
* Security: Data encryption (password hashing, SSL).
* Usability: Simple & intuitive UI (React + Tailwind).
* Reliability: 99.9% uptime.

**7.Technology Stack**

* Frontend: React.js
* Backend: Spring Boot (Java)
* Database: MySQL
* Authentication: JWT / Spring Security
* Deployment: Docker + Cloud (AWS/Azure)

**8.Use Case Diagram Actors: User, Admin**

User → Register, Login, View Policies, Apply, Track Status

Admin → Add Policy, View Applications

**9.Testing Plan**

* Unit Testing (React components, Spring Boot services)
* Integration Testing (API + DB)
* User Acceptance Testing (UAT) with sample users
* Performance Testing

**10.Conclusion**

This project delivers a robust, scalable, and secure insurance management solution. It aligns with Infosys’ standards of digital innovation by focusing on customer experience, automation, and system reliability.