Business requirements document

Project name:

E-Insurance Application

Project manager:

Diptanshu Sinha

Date submitted:

April 16,2025

Document status: Draft Proposed Validated Approved



1. Executive summary

The E-Insurance Application is a digital platform designed to streamline the process of purchasing, managing, and claiming insurance policies. With the growing demand for digital insurance services, this system will provide users with a seamless, end-to-end experience from policy selection to claim settlement. It also empowers administrators with tools to manage users and monitor system activities efficiently.

2. Project objectives

To develop a web and mobile-compatible insurance platform.

To allow users to register, purchase, and manage insurance policies

digitally.

To enable users to make payments and raise claims online.

To provide admins with capabilities to manage users and policies.

To ensure data integrity, compliance, and security with regulatory standards.

To integrate with third-party payment gateways and regulatory compliance APIs.

3. Project scope

User and admin registration & login.

Policy management (view, purchase, premium payment).

Online claim submission and tracking.

Payment processing via gateway API.

Backend services with Spring Boot/.NET and frontend in React/Angular.

Database for users, policies, and claims.

Compliance checks through external APIs.



|  |  |  |
| --- | --- | --- |
| 4.Business reqirements | | |
| BR ID | Requirement |  |
| BR-01 | The system shall allow users to register, login, and manage their profile | |
| BR-02 | Users shall be able to browse, compare, and purchase insurance policies. | |
| BR-03 | Users shall be able to make payments using an integrated payment gateway. | |
| BR-04 | Users shall be able to view and download receipts for payments made. | |
| BR-05 | Users shall be able to raise and track claims for their purchased policies. | |

|  |  |  |
| --- | --- | --- |
| 5.Key stakeholders | | |
| Name | Job role | Duties |
| Insurance Company Leadership | Project Sponsor | Funding and strategic oversight |
| Business Analyst | Product Owner | Requirement gathering, stakeholder alignment |
| Frontend & Backend Developers | Development Team | Implementation of UI and APIs |
| Test Engineers | QA Team | Testing functionality, performance, and security |
| Insurance Staff | Admin Users | Managing users and overseeing policy operations |

|  |  |
| --- | --- |
| 6. Project constraints | Description |
| Budget | Limited by initial funding phase. |
| Timeline | Must be delivered in 12 weeks. |
| Technology | Must use Spring Boot/.NET, React/Angular, and MySQL/PostgreSQL. |
| Regulatory Compliance | Must comply with insurance industry standards (e.g., IRDAI, GDPR). |
| Integration | Must support 3rd party payment and regulatory APIs. |
| Security | End-to-end encryption, role-based access control, and secure data storage. |

|  |  |
| --- | --- |
| 7.Cost-benefit analysis | Benefit |
| Development Cost ₹12,00,000 (approx) | End-to-end online insurance services, reducing manual processes. |
| Infrastructure & Hosting ₹1,50,000 annually | Scalable cloud-based infrastructure. |
| API Integration ₹50,000 | Seamless and fast transactions and compliance checks. |
| Total Cost : ₹14,00,000 (Year 1) |  |