Functional Requirements Document (FRD)

Project Name: E-Insurance Application
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1. Introduction

Purpose:
This document outlines the functional, non-functional, and business requirements for a web-based E-Insurance Application. The purpose of this system is to streamline project planning, task assignment, and collaboration among team members.

Scope:

The application allows users to manage multiple projects with functionalities such as task tracking, team communication, file uploads, and dashboard reporting. It targets small to mid-sized teams (up to 100 users per project).

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2. System Overview

The E-Insurance Application will offer:

- A centralized dashboard for real-time task and project status.
- Role-based access for users including Project Managers, Team Members, and Viewers.
- Notifications and reminders for due tasks.
- A responsive interface compatible with mobile devices.

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3. Business Requirements

BR ID	Business Requirement

BR-01	Provide real-time visibility of task statuses to users.
BR-02	Enable centralized communication and file sharing.
BR-03	Automate notifications for deadlines and overdue tasks.
BR-04	Offer analytics through dashboards and visual reports.
BR-05	Support effective task delegation with role-based access.

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4. Functional Requirements

FR ID	Functional Requirement
FR-01	Users shall be able to create, update, and delete tasks.
FR-02	System shall send email notifications on task updates or status changes.
FR-03	Dashboard shall visualize progress via Gantt charts.
FR-04	System shall allow file uploads up to 10 MB per task.
FR-05	Users shall be able to assign tasks to other team members.
FR-06	System shall generate summary reports for each project.

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5. User Roles and Permissions

Role	Permissions
Project Manager	Full access to create/edit/delete tasks, manage users, and view reports.
Team Member	Can view and update assigned tasks, upload files, and add comments.

Viewer	Read-only access to all project information.

6. Use Case Example

Use Case: Assign a Task
Actors: Project Manager, System

Steps:

1. Project Manager logs into the system.
2. Selects a project from the dashboard.
3. Clicks “Assign Task” button.
4. Fills task details (title, description, due date).
5. Assigns the task to a team member.
6. System sends notification to the assigned member.
7. Task appears in the member’s task list.

7. Assumptions and Constraints

Assumptions:

- Users have reliable internet access.
- Users are familiar with basic project management practices.
- System will handle teams of up to 100 users per project.

Constraints:

- File upload limit is 10 MB per task.
- Application supports only English (initial release).

- Integration with calendars and storage is limited to predefined APIs (e.g., Google Calendar, Dropbox).

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8. Non-Functional Requirements

NFR-01	Dashboards shall load within 3 seconds.
NFR-02	Application shall be accessible on mobile browsers.
NFR-03	System shall maintain 99.9% uptime annually.
NFR-04	Data storage and backup must be secure and encrypted.
NFR-05	Application shall support scalability for up to 100 concurrent users.

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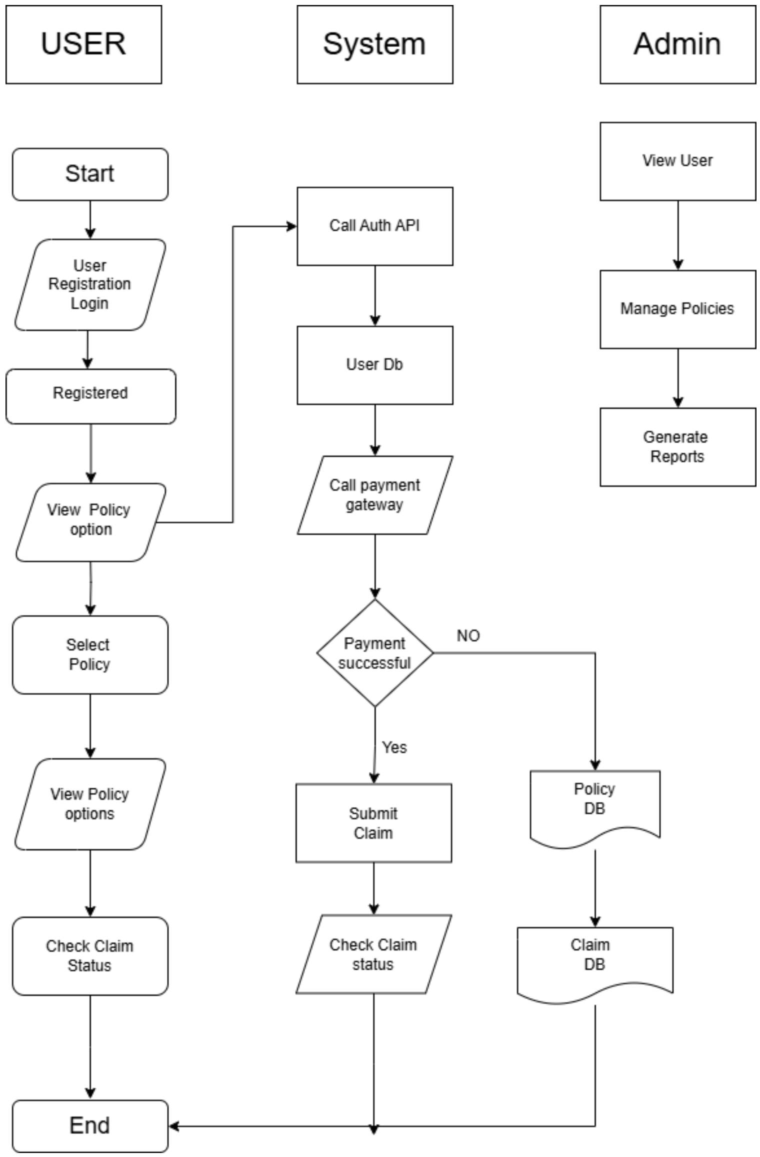
9. Functional Workflow / Process Flow:



User Side: Start the process.

- Registers or logs into the system.
- Views available policy options.
- Selects a desired policy.
- Views policy details again for confirmation.
- Check the claim status.

- Ends the session.

System Side:

- Authenticates users via **Auth API**.
- Stores/fetches user data from the **User DB**.
- Call the **payment gateway** when a policy is selected.
- Checks if **payment is successful**:
    - **If No**:
        - Policy info stored in **Policy DB**, but no claim submission.
    - **If Yes**:
        - Allows users to **submit claims**.
        - Stores claim data in **Claim DB**.

Admin Side:

- Views registered users.
- Manages policy details (add/update/delete).
- Generates reports for analysis and tracking.