# EXPENSE MANAGEMENT SYSTEM

## Introduction

Our Expense Management System (EMS) is designed to provide employees with an easy and user-friendly way to upload expense reports via mobile or PC web browsers. The system ensures a seamless experience, allowing employees to efficiently submit their expenses. For administrators, the EMS offers a centralized platform to review and manage expense requests, along with detailed reporting features that enhance financial oversight and control. This solution is secure, scalable, and designed to simplify the expense management process for both employees and administrators.

## Objectives

- ✓ To provide a platform for recording, categorizing, and monitoring expenses.
- ✓ To facilitate efficient expense tracking for individuals and businesses in a timely manner.
- ✓ To enable detailed reporting and analytics for better financial decision-making.
- ✓ To ensure data security and privacy.

## Scope

### Features

1. User management

    User Registration by admin.

2. Expense Tracking

    Input and categorize expenses (e.g., travel, food, utilities).

    Attach receipts via uploads or photo capture.

3. Budget Management

    Set monthly/annual budgets.

4. Reporting and Analytics

    Generate custom reports (e.g., monthly summaries, category-wise breakdown).

    Visual dashboards (charts, graphs) for expense trends.

5. Multi-Device Access

    Responsive design for web and mobile access.

6. Data Security

Secure logins, data security and privacy.

# Technologies

Front-End

Framework : React.js

Language : HTML5, CSS3, JavaScript

Design : Figma

Back-End

Framework : Laravel 10

Language : PHP

Database : MySQL

Other Tools

Version Control : Git/GitHub

Project Management : Notion

Diagram : draw.io

# Development Plan

1. Requirements Gathering and Planning

- ✓ Understand user requirements and define system specifications.
- ✓ Develop wireframes and architecture diagrams.

2. Design and Development

- ✓ Build the front-end and back-end.
- ✓ Create database schemas and implement core features.

3. Testing

- ✓ Conduct unit, integration, and user acceptance testing.
- ✓ Resolve bugs and optimize performance.

4. Deployment

    ✓  Launch on a cloud platform with continuous integration/deployment pipelines.

5. Maintenance and Support

    ✓  Provide regular updates, monitor performance, and offer technical support.

# Estimated Timeline

| Phase | Duration |
|---|---|
| Learning | 1 week |
| Requirement Gathering + Design | 1 week |
| Development | 3 weeks |
| Testing | 1 week |
| Deployment | 1 week |
| Maintenance | 1 week |

# Conclusion

An Expense Management System is an invaluable tool for businesses to maintain financial discipline and transparency. This proposal outlines a plan to deliver user-friendly, and secure platform that meets modern financial management needs.