

Scope of Work - Company Expense Tracker App

Project Title

Company Expense Tracker App (Admin-Only Access)

Objective

To build a secure, admin-only web app to track and analyze company expenses, allowing detailed recording, viewing, filtering, and exporting of expenses.

Tech Stack

- Frontend: React.js + TailwindCSS / Material UI
- Backend: Express.js + Node.js
- Database: MongoDB (Mongoose)
- Authentication: JWT-based, Admin-only access
- Hosting: Vercel (Frontend), Render/Heroku (Backend), MongoDB Atlas

Modules & Features

1. Admin Authentication

- Single admin login
- JWT-based secure route protection
- Optional: Password reset via email

2. Expense Management

- Add/Edit/Delete Expenses
- Fields: Amount, Category, Date, Description, Payment Method, Notes
- Upload receipt (Image/PDF)

3. Filtering & Search

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- Filter by Date Range, Category, Payment Method
- Full-text search on description and notes

4. Dashboard & Analytics

- Total monthly/yearly expenses
- Pie/Line/Bar charts
- Quick summary cards

5. Reports & Export

- Export expenses to PDF/CSV
- Generate reports by Month, Category, Date range

6. Categories Management

- Add/Edit/Delete custom categories

7. File Uploads (Receipts)

- Upload and view receipts
- Store locally or via cloud (optional)

8. Settings Panel

- Update admin info (email/password)
- Configure currency, company name

9. Security & Validation

- Input validation
- JWT protected APIs
- Prevent XSS/Injection attacks

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10. Budget Breakdown Tree Module

- Input total budget (e.g., INR 1,00,000)
- Auto-generate a tree of expenses
- Dynamic tree with categories/subcategories
- Interactive visualization (Tree, Sunburst, Treemap)
- Filters: date, category
- Export as image or PDF

Optional Future Features

- Dark/Light mode
- Budget alerts
- Multi-admin roles (if needed later)
- Desktop app with Electron