

AI-Powered Personal Finance Dashboard – Angular 20 Project Blueprint

1. Project Overview

- Project Name: AI-Powered Personal Finance Dashboard
- Tech Stack: Angular 20, PrimeNG, Bootstrap
- Backend: Mock APIs (JSON-server / MirageJS)
- Target Developer: 6+ Years Experienced Angular Developer
- Goal: Deliver a fully functional, mock-API-driven, production-ready SPA in 10–15 days.

2. Screen-Wise Wireframes & PrimeNG Mapping

- Authentication (Day 3)
 - p-inputText, p-password, p-button, p-toast
 - Mock API: POST /api/v1/auth/login
- Dashboard (Day 4)
 - p-card, p-chart, p-button
 - Mock API: GET /api/v1/dashboard
- Transactions (Day 5)
 - p-table, p-paginator, p-dropdown, p-calendar, p-dialog, p-confirmDialog
 - Mock API: GET/POST/PUT/DELETE /api/v1/transactions
- Budget Planner (Day 6)
 - p-slider, p-progressBar, p-toast
 - Mock API: GET /api/v1/budgets, POST /api/v1/budgets
- Reports & Analytics (Day 9)
 - p-chart, p-multiSelect, p-calendar, p-button, p-toast
 - Mock API: GET /api/v1/reports
- AI Insights (Day 8)
 - p-panel, p-card, p-toast, p-button
 - Mock API: GET /api/v1/ai/suggestions

3. Development Roadmap (10–15 Days)

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Day	Module	Core Deliverables
1	Project Setup	Angular 20 setup, routing, PrimeNG + Bootstrap, mock APIs
2	Core Config	Signals, interceptors, theming
3	Authentication	Login UI + mock JWT auth
4	Dashboard	KPIs, charts, quick actions
5	Transactions	CRUD table, filters, pagination
6	Budget Planner	Budget UI, progress bars, alerts
7	Analytics	PrimeNG charts for financial insights
8	AI Insights	AI-powered recommendations (mocked)

9	Reports	Reports, CSV/PDF export
10	Final Integration	Error handling, loaders, optimizations
11–15	Optional	i18n, PWA, theme toggle, tests, performance tuning