**Angular 20 AI-Powered Personal Finance Dashboard – 10–15 Day Roadmap**

**1. Project Overview**

* **Project Name:** AI-Powered Personal Finance Dashboard
* **Tech Stack:** Angular 20 (Frontend Only)
* **Backend:** Mock APIs (JSON-server / MirageJS)
* **Target Developer:** 6+ Years Experienced Angular Developer
* **Goal:** Deliver a production-ready SPA in 15 days with mock APIs, Signals, and PrimeNG-based enterprise UI.

**2. 10–15 Day Development Roadmap**

**Phase 1 — Setup & Foundations (Day 1 – Day 2)**

* **Day 1:** Project setup, routing, PrimeNG + Bootstrap integration, mock API setup.
* **Day 2:** Theming, global Signals config, interceptors for mock APIs.

**Phase 2 — Authentication & Dashboard (Day 3 – Day 4)**

* **Day 3:** Login/signup UI, mock JWT auth, Signals-based auth state.
* **Day 4:** Dashboard KPIs, PrimeNG cards, ngx-charts integration.

**Phase 3 — Transactions & Budgeting (Day 5 – Day 7)**

* **Day 5:** CRUD for transactions, infinite scroll, filters.
* **Day 6:** Budget planner UI, progress bars, overspending alerts.
* **Day 7:** Analytics dashboard with interactive charts.

**Phase 4 — AI Suggestions, Reports & Export (Day 8 – Day 10)**

* **Day 8:** AI-powered savings tips (mock API integration).
* **Day 9:** Reports module, PDF/CSV/Excel export.
* **Day 10:** Error handling, loader states, production-ready build.

**Phase 5 — Buffer & Enhancements (Day 11 – Day 15) *(Optional)***

* **Day 11:** Multilingual support using Angular i18n.
* **Day 12:** Dark/light mode toggle via Signals.
* **Day 13:** PWA offline caching.
* **Day 14:** Test cases with Jest/Karma to reach 85% coverage.
* **Day 15:** Final UI polish and performance tuning.

**3. Angular 20-Specific Features**

* Signals-based state management.
* Zoneless rendering for faster change detection.
* Standalone components for cleaner architecture.
* Defer views for lazy-loading.
* Transitions API for smooth animations.

**4. Expected Outcome After 15 Days**

* Fully functional Angular 20 SPA.
* Mock API-driven KPIs, reports, and insights.
* Optimized, production-ready enterprise UI.
* High performance with Signals and defer views.
* Responsive, mobile-friendly dashboards.