



Law Firm Management Made Simple

Frontend Take-Home Assignment – Product Management Dashboard

Please submit your solution within 2 days from the time you receive this assignment.

Build a small Angular application for managing products in an e-commerce catalog. The focus is on clarity, structure, and everyday frontend decision-making.

Goal

Create a simple product management dashboard with list, create, and edit flows.

Functional Requirements

1. Routes: list page, new product, existing product
2. Product model: Detailed as possible
3. Products list with search, filters, sorting, and pagination.
4. Create and edit products using Reactive Forms with validation.
5. Clear user feedback for loading, empty states, and errors.

Data & API

The application should communicate through Angular HttpClient and treat data access as an API boundary.

(A full backend is not required)

1. json-server with a db.json file.
2. Angular in-memory-web-api.
3. Optional small Node/Express server.

Architecture & Code Quality

1. Feature-based folder structure.
2. Clear separation between UI, services, and data access.
3. Strong typing, avoid any.
4. Readable RxJS usage.
5. Remove unused code and files.

Testing

1. Service test.
2. Form validation test.
3. Component behavior test.

Optional

1. Persist filters and sorting in URL parameters.
2. Optimistic updates.
3. Basic caching.
4. Light/Dark theme.
5. Accessibility improvements.



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Submission Guidelines

1. Git repository.
2. README with setup and notes.
3. Reasonable commit history.

Evaluation Criteria

Correctness, structure, Angular and RxJS usage, form handling, code quality, and clarity.

Good luck.

We're looking forward to seeing your solution.