

Frontend Developer Assignment (Duration: 36 Hours)

Mode: Remote

Total Duration: 36 Hours (Flexible within 3 days)

Objective: Assess your ability to develop a functional, responsive, and visually polished frontend web application with Magento 2 and modern JavaScript frameworks.

Assignment Overview:

Build a responsive **Product Showcase Web App** that fetches data from a mock API and displays product cards. The application should include sorting, filtering, and a product detail view.

Core Requirements:

1. Tech Stack:

- Use **React.js**, **Vue.js**, or **Vanilla JS** (your choice)
- Use **Magento 2 UI components** if applicable (bonus)
- Use **Tailwind CSS** or standard CSS/SCSS for styling
- Mobile responsive design (PWA principles preferred)

2. Features to Implement:

- **Homepage:**
 - Header with logo and navigation
 - Display product cards (image, title, price, rating)
 - Pagination (minimum 10 products per page)
- **Filter Sidebar:**
 - Filter by category and price range
- **Sort Options:**
 - Sort by price, popularity, or name

- **Product Detail Page:**

- Show full product description, images, reviews
- “Add to Cart” button (dummy functionality)

- **Cart Page** (*Optional for Bonus*):

- List of items added, quantity, and total calculation

3. API Integration:

- Use a mock API like <https://fakestoreapi.com> or generate mock data yourself using JSON.

4. Code Quality:

- Maintain clean, modular, and well-commented code
- Use Git for version control (submit GitHub/Bitbucket link)

Evaluation Criteria:

- Responsive UI and design sensibility
- Code quality and structure
- Use of best practices (reusability, component structure, accessibility)
- Attention to detail and completeness
- Bonus: Use of Magento 2 PWA Studio or integration points

Submission Format:

- Link to GitHub repo with README including:
 - Setup instructions
 - Screenshots

- (Optional) Hosted version link (e.g., Netlify/Vercel)