

Technical Roadmap for My Marketplace "Taqwa Trends"

Phase 1: Planning and Requirements Gathering

Milestone: Define project scope and technical requirements.

Deliverables:

- Completed project scope document.
- List of technical requirements (frontend, backend, APIs, etc.).
- Target audience and user personas.
- Competitor analysis and market research.

Phase 2: System Design and Architecture

Milestone: Finalize system architecture and workflows.

Deliverables:

- System architecture diagram (frontend, backend, APIs).
- Workflow diagrams (user browsing, order placement, payment processing, shipment tracking).
- Database schema design (Sanity CMS schemas for users, products, orders, etc.).
- API specifications (endpoints, methods, payloads, responses).

Phase 3: Frontend Development

Milestone: Develop the user interface (UI) and user experience (UX).

Deliverables:

- Responsive frontend built with Next.js. List of technical requirements (frontend, backend, APIs, etc.).

- Key pages: Home, Product Listing, Product Details, Cart, Checkout, Order Confirmation.
- Integration with Sanity CMS for dynamic product data.
- User authentication and profile management.

Phase 4: Backend Development

Milestone: Set up the backend and integrate with third-party services.

Deliverables:

- Sanity CMS configured with schemas for users, products, orders, etc.
- Integration with Payment Gateway API (e.g., Stripe, PayPal).
- Integration with Shipment Tracking API (e.g., FedEx, DHL).
- Order management system to track order status.

Phase 5: API Development and Integration

Milestone: Develop and integrate APIs for seamless data flow.

Deliverables:

- API endpoints for product browsing, order placement, payment processing, and shipment tracking.
- API documentation for developers.
- Testing and validation of API integrations.

Phase 6: Testing and Quality Assurance

Milestone: Ensure the platform is bug-free and performs well.

Deliverables:

- Unit tests for frontend and backend components.

- Integration tests for APIs and third-party services. List of technical requirements (frontend, backend, APIs, etc.).
- User acceptance testing (UAT) with real users.
- Performance testing to ensure the platform can handle high traffic

Phase 7: Deployment

Milestone: Launch the marketplace.

Deliverables:

- Hosting setup (e.g., Vercel for frontend, Sanity for backend).
- Domain registration and SSL certificate setup..
- Deployment of frontend, backend, and APIs to production environment.
- Final testing in the live environment.

Phase 8: Post-Launch Support and Maintenance

Milestone: Monitor and improve the platform after launch.

Deliverables:

- Bug fixes and performance optimizations.
- Regular updates to product listings and features.
- Customer support system for handling user queries and issues.
- Analytics setup to track user behavior and sales performance.