Software Development Proposal

Project: Web & Mobile Application

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1. Project Overview

This proposal outlines the plan to design, develop, and deploy a complete web and mobile application. The goal is to create a modern, user-friendly platform that allows customers to browse, subscribe to, and purchase fresh daily products seamlessly through both web and mobile channels.

The system will feature a smooth experience for end users as well as an efficient admin panel for managing products, users, and orders. The project will be developed using the latest technologies to ensure scalability, performance, and long-term maintainability.

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2. Objectives

- Develop a **web application** and **mobile application** (Android & iOS) for customers to access and manage their orders easily.

- Build a **secure and scalable backend** using **Laravel**.

- Utilize **AWS Cloud Services** for hosting, storage, and deployment.

- Develop a **React-based web frontend** and **React Native mobile app** for cross-platform consistency.

- Provide a **centralized admin panel** for product, user, and order management.

- Ensure **smooth user experience**, modern UI design, and optimized performance.

- Offer **1-year maintenance** post-deployment at no additional cost.

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3. Project Scope

3.1. Modules (MVP Phase)

For Users:

- **Login & Signup:**
  Secure authentication (email/phone + password, with optional OTP-based login).

- **Homepage:**
  Display featured products, offers, and promotional content.

- **Products Page:**
  Product listing, filtering, and detail view with add-to-cart functionality.

- **About Page:**
  Company overview and mission statement.

- **Profile Page:**
  View and manage personal details, addresses, and orders.

For Admin:

- **Admin Dashboard:**
  Overview of key metrics, users, and product analytics.

- **Product Management:**
  Add, edit, or remove products, set pricing and availability.

- **User Management:**
  Manage customer accounts and permissions.

- **Order Management:**
  View, update, and track customer orders.

- **Content Management:**
  Manage banners, homepage sections, and other CMS content.

4. Technology Stack

Layer	Technology
Frontend (Web)	React.js
Mobile App	React Native (iOS & Android)
Backend	Laravel (PHP Framework)
Database	MySQL
Cloud Infrastructure	AWS (EC2, S3, RDS, CloudFront, etc.)
Authentication	JWT
Version Control	GitHub
Deployment	EC2
UI/UX	Figma

5. Deliverables

1. Fully functional **web application** deployed on AWS.

2. **Mobile applications** for both Android and iOS platforms.

3. **Admin panel** with all core management features.

4. Complete documentation.

5. One-year **maintenance and support** (including bug fixes, updates, and monitoring).

6. Timeline

Phase	Duration	Details
Phase 1: Planning & UI/UX Design	2 weeks	Requirement analysis, wireframes, and design approval
Phase 2: Backend Development (Laravel + Database Setup)	4 weeks	API development, authentication, and admin setup

Phase 3: Web Frontend Development	4 weeks	React-based frontend implementation and integration
Phase 4: Mobile App Development	4 weeks	React Native development and API integration
Phase 5: Testing & QA	2 weeks	Functional, UI, and security testing
Phase 6: Deployment & Launch	2 weeks	AWS deployment, final review, and publishing apps
Total Duration	**4 Months (Approx.)**	—

7. Budget Breakdown

Component	Estimated Cost (NPR)
Backend (Laravel + AWS Setup)	3,00,000
Web Frontend (React)	2,50,000
Mobile Apps (React Native)	4,00,000
Admin Panel	2,00,000
UI/UX Design	50,000
Testing & Deployment	50,000
Total Estimated Budget	**NPR 13,00,000 (Thirteen Lakhs)**

8. Maintenance & Support

We will provide **free maintenance for 1 year** after deployment.
 This includes:

- Bug fixes and performance improvements.

- Security updates and server monitoring.

- Minor UI or functionality enhancements.

- Technical support for hosting and app store updates.

(Any major new features beyond the MVP scope will be quoted separately.)

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9. Team Involvement

- **Project Manager** – Oversees development progress and ensures milestones are met.

- **UI/UX Designer** – Creates wireframes and final designs.

- **Backend Developer (Laravel)** – Builds and maintains APIs and database logic.

- **Frontend Developer (React)** – Develops the user interface for the web.

- **Mobile Developer (React Native)** – Builds cross-platform apps.

- **QA Engineer** – Handles testing and quality assurance.

- **DevOps Engineer** – Manages AWS deployment and CI/CD setup.

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10. Payment Terms

- **25%** – Project initiation (Design & Planning phase).

- **60%** – Monthly payment of 15% according to the created sprints (Before testing).

- **15%** – Upon project delivery and deployment.

  (Additional cost needed for hosting, deployment and VAT is not included.)

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11. Conclusion

We are committed to delivering a robust, scalable, and visually appealing platform that matches the performance and experience aligning with your business goals and budget. Our team will ensure timely delivery, quality assurance, and dedicated post-launch support.

We look forward to collaborating on this exciting project and bringing your vision to life.