[Your Company Letterhead]

[Date]

[Client's Name]
[Client's Company]
[Client's Address]

Dear [Client's Name],

Re: Proposal for Software Development Project

Project Overview

We propose to develop a comprehensive software solution that includes a web admin panel, two mobile applications, and integrated backend systems to serve the needs of stores, inventory management, and administration. The system will incorporate the following key features:

1. Web Admin Panel (React JS): This panel will provide a user-friendly interface for administrators to manage the system. It will include:
   - Integration with the inventory system for real-time stock and quantity data.
   - Package management (basic, mid, advanced) with SAS subscription options for stores.
   - System settings and configuration management.

2. Mobile Applications (Flutter): We will build two mobile apps - one for stores and one for administrators.
   - Store App: This app allows store owners to:
     - Place orders from the main inventory.
     - Monitor stock and access all items in the system.
     - View order history and reports.
     - Integration with a payment gateway for package subscriptions.
   - Admin App: This app enables administrators to oversee orders from stores.

3. Notification System: All applications will have a notification system to provide timely updates on relevant actions.

Technology Stack

To ensure the project's success, we will use a robust and up-to-date technology stack:

- Programming Language: Java 17.
- Web Framework: Spring Boot 3.1.3.
- Database: Postgres.
- Containerization: Docker and Docker Compose.

- Frontend Development: React JS for the admin panel.
- Mobile App Development: Flutter for cross-platform compatibility.
- Design Prototyping: Figma or Adobe XD.

Development Technologies

We will leverage free and open-source libraries and frameworks to enhance the application's functionality, maintainability, and scalability. Key development technologies include:

- Hibernate 6.3
- Open API 3
- API documentation using Swagger
- Fabric8
- RESTful API
- Database Postgres Connector
- Jackson
- MapStruct
- React JS (for frontend)
- TypeScript
- Nginx
- Flutter (for mobile apps)
- Dart

System Design

We will adopt the Model-View-Controller (MVC) architecture to ensure a clean and organized codebase. Additionally, the following design patterns will be implemented:

- Abstract Factory
- Builder Factory
- Singleton Design Pattern
- Dependency Injection
- Data Transfer Object Design Pattern

To document the development steps, we will provide various diagrams and reference materials, including:

- Class Diagrams
- Entity Diagrams (Database)
- Use Case Diagrams
- Flowchart Diagrams

Pricing and Timeline

Pricing: The project is estimated to cost 7000 JD. This includes:

- Two backend resources: Omar Ismail (Senior Backend Engineer) and Abedalrhma Alkraien (Backend Engineer & DevOps Engineer).
- Frontend development by Obada Damra (Senior Frontend Engineer).
- Senior Mobile Engineer.

Please note that this price does not include the price for UI/UX design services by Shaden.

Timeline: The project will follow a structured development timeline:

- Regular demos every three weeks to review progress and gather client feedback.
- A demo server will be set up after one month for the client to evaluate.
- The project is expected to be completed within a maximum of four months.

We look forward to the opportunity to work with you on this exciting project. Please feel free to reach out if you have any questions or need further clarification.

Warranty and Support

Please note that after we deliver the project on time and deploy it to the client, we will provide comprehensive support for the project to address any bugs or issues for a period of three months, entirely free of charge. This warranty period is a testament to our commitment to delivering a high-quality product.

After the initial three-month warranty period has concluded, we offer the opportunity to establish a support contract. The support contract will be calculated as 0.25 times the total price of the project, payable on an annual basis. This contract ensures continued access to our expertise and assistance as your needs evolve.

We understand that, even with thorough testing, unexpected issues may arise. Our commitment to you is that any reported bug or issue will be promptly addressed. We pledge to resolve any such issue within a maximum time frame of 48 hours from the moment it is reported.

Our goal is to provide you with a robust, reliable, and long-lasting software solution, and our warranty and support offerings reflect our dedication to your project's ongoing success. We look forward to the opportunity to serve your needs and assist in maintaining a seamless and efficient system.

Should you have any questions or require further details regarding our warranty and support terms, please do not hesitate to contact us.

Sincerely,

[Your Name]
[Your Title]
[Your Company Name]
[Contact Information]