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UniKhata [TBD]

**Web Engineering**

Project Proposal

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Members:

Fayyez Farrukh - 22l 7987

Eehab Saadat - 22l 7944

Huzyefa Saqib - 22l 7916

# Project Summary

A unified ledger and order management platform that centralizes sales, inventory, and shipping operations across multiple e-commerce platforms and courier services. The aim of this project is to provide an intuitive one-stop solution for small to medium size local online sellers and retailers for their day-to-day inventory management, order tracking and sales analytics task hassle-free by integrating major workflows and ecommerce platforms into a single interface.

# Specifications/Functional Requirements

## Order Aggregation and Management

Provide a list of current and pending orders from across different platforms (like WooCommerce, Shopify, daraz, aliexpress, etc) along with their order details, billing summary and delivery status.

## Inventory Management

The platform should be able to provide inventory and stock details. Alert the user on low stocks and share the inventory status seamlessly across all integrated e-stores.

## Integration with Courier Services

The system would provide seamless integration with multiple common courier services like TCS, Trax, Trekkers, Leopards, M&P, etc., depending on user needs and customization.

## Analytics and Reporting

The user would be able to visualize and view total sales analytics summary and apply product, platform and/or status filters to aid informed decision making for ecommerce store owners

## Account Management

The user would be able to create an account on the system, login/signup using OAuth, register their stores and courier services used and have other basic account management tools.

# Bonus Features

* 1. Toggle day/night mode
  2. Blacklist customers (phone number/email)
  3. In-app chat with customers or integration with whatsapp business account
  4. Multi-language support (namely Urdu)
  5. User session management and cookies for customizability
  6. Multi-account access to manage same store
  7. Secure payment gateway and package based subscription service
  8. Responsiveness to for mobile devices

# Tool and Tech Stack

**Frontend:** Reactjs

**Testing:** Postman/WireMock (for API testing)

**APIs and Routing:** Express.js

**Database:** MongoDB

**State Management:** Redux

**Project Management:** Git/Github, Github Actions/Trello Boards