A Major Project Synopsis on

**Secure Link**

Submitted to Manipal University, Jaipur

Towards the partial fulfillment for the Award of the Degree of

**MASTER OF COMPUTER APPLICATIONS**

2023-2025

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**Jaipur, Rajasthan**

**2025**

# Introduction

In the fast-paced B2B marketplace, efficient procurement of electrical supplies is crucial for wholesalers, retailers, and distributors. **Secure Link** is a B2B mobile application designed to simplify the purchasing process by categorizing products based on price, brand, and type, ensuring quick and cost-effective decisions.

The app specializes in **cables, connectors, electric wires, cable wires, and related electrical components**, offering a streamlined platform for bulk and individual purchases. With an intuitive interface and organized product listings, Secure Link enhances business efficiency by enabling seamless transactions and hassle-free procurement.

## Why you should choose us?

### ****For Wholesalers:****

1. **Simplified Operations:** Reduce overhead by managing orders, products, and inventory in one place.
2. **Bulk Discounting:** Benefit from automatic price calculations based on volume.
3. **Instant Order Fulfillment:** Speed up order processing with efficient stock management.
4. **Effortless Integration:** Seamlessly connect with retailers and distributors through the app.

### ****For Retailers:****

1. **Wide Product Range:** Access a broad selection of cables, connectors, and more.
2. **Convenient Purchasing:** Add products to the cart, checkout, and manage orders with ease.
3. **Exclusive Deals:** Get notified about discounts, special offers, and new arrivals.
4. **Order Flexibility:** Place orders without upfront payment and choose from various payment methods.

#### ****For Distributors:****

1. **Expand Your Network:** Connect with numerous wholesalers and retailers for broader market reach.
2. **Efficient Order Tracking:** Monitor orders, deliveries, and stock in real-time.
3. **Custom Delivery Options:** Offer tailored shipping solutions for your clients.
4. **Scalable Business Management:** Handle bulk orders and large-scale transactions efficiently.

# Motivation

#### Our Services Include

#### ****For Wholesalers:****

1. **Automated Pricing Engine:** Auto-calculate discounts based on order volume.
2. **Inventory Syncing:** Automatically sync stock levels across devices and platforms.
3. **Bulk Order Management:** Easily handle large-scale orders and shipments.
4. **Data Security:** Protect your data with encrypted transactions and secure logins.

#### ****For Retailers:****

1. **Seamless Checkout:** Multi-payment options and fast order processing.
2. **Real-Time Stock Updates:** Know product availability instantly.
3. **Custom Order Preferences:** Save preferred products, quantities, and shipping methods.
4. **Instant Notifications:** Receive alerts for price drops, order statuses, and restocks.

#### ****For Distributors:****

1. **Admin Dashboard:** Centralize order management, stock updates, and customer data.
2. **Integrated Logistics:** Manage transportation and delivery services from the app.
3. **Order Customization:** Personalize order details and shipment preferences.
4. **Secure Payment Gateways:** Ensure safe and smooth financial transactions.

# Problem Statement

1. Inefficient Inventory Management: Wholesalers and distributors struggle with stock tracking and availability.
2. Slow Order Processing: Retailers face delays due to complicated ordering systems and multiple suppliers.
3. Limited Market Reach: Distributors and wholesalers find it difficult to expand their customer base.
4. Complex Payment Systems: Payment methods are often rigid, causing delays and cash flow issues.
5. Lack of Real-Time Updates: Retailers and wholesalers do not have up-to-date product and pricing information.

**Secure Link** resolves these issues by providing:

* Real-time inventory tracking
* Streamlined order management
* Flexible payment options
* Instant product and pricing updates
* Enhanced market reach for wholesalers and distributors

# Methodology/ Planning Of Work:

### ****Phase 1: Requirement Analysis & Planning****

* Business requirement gathering.
* Identifying key system functionalities.
* Preparing project roadmap.

### ****Phase 2: Design & Prototyping****

* UI/UX design and wireframes.
* Review and approval of the prototype.

### ****Phase 3: Development & Implementation****

* Backend and frontend development.
* API integrations and database setup.

### ****Phase 4: Testing & Debugging****

* Functional testing.
* Performance and security testing.
* UAT (User Acceptance Testing).

### ****Phase 5: Deployment & Maintenance****

* System launch on web and mobile platforms.
* Continuous monitoring and support.
* Regular updates and feature enhancements.

**Planning of work:**

1. Creating the UI of the project using Java and Spring Boot which will include different components, such as,
   1. Home
   2. Preview
   3. Watch list
   4. Invoice
   5. Profile
2. Creating different portals:
   1. **Admin Interface**
      1. Dashboard
         1. Sales
         2. Running Out Stock
         3. New Orders
         4. Trending Products
      2. Master Data
      3. Products
      4. Orders
      5. Users
      6. Account
      7. Setting
         1. Account Setting
         2. Privacy and Security
         3. Profile
         4. Notification
   2. **App Interface**
      1. Wish list
      2. Notification
      3. Featured Products
      4. Trending Products
      5. Help Support
      6. Cart
      7. Orders
3. Working with backend using:
   1. Spring Boot in Java
   2. My SQL as database

# Requirements For Proposed Work:

1. **Software Requirement:**

* Operating System: Windows/Linux/mac OS
* Backend: Java, Spring Boot
* Frontend: React JS / Flutter
* Database: MySQL
* Server: AWS Cloud
* Version Control: Git
* Testing Tools: Selenium, JMeter

### ****Hardware Requirements:****

* Server: 4 Core CPU, 16 GB RAM
* Development Machines: Minimum 8 GB RAM, Intel i5/i7 processor
* Mobile Devices: Android (9+), iOS (13+)

# Bibliography/References

1. <https://www.multybyte.com/>