

WEB APPLICATION FOR AN ONLINE CLOTHING BUSINESS (GLAMITY)

1. INTRODUCTION

1.1 Background

- “Glamity” is an online clothing business that is in its infancy.
- It does not have a physical location to connect with customers.
- The marketing section uploads the images of the items to “Glamity Facebook page” and boosts the post.
- Then they accept customers’ orders from Facebook and WhatsApp applications.
- Then the marketing section records the order information in a book manually.
- Then they send orders to customers through a courier service.

1.2 Overview of the existing system

- One of the main weakness is all transactions are recorded in books so that they can not view the records by owners in different places.
- Also it can create mistakes and delays due to recording in books.
- Loss the opportunity to present the product line to the customer at same time.

1.3 Proposed system

- The solution is a web application to avoid this situation.
- Admin can access the updated information by instantly entering the updated information into the website.
- Possible delays and mistakes between customers and business, can be minimized by implementing the proposed system.
- Through the web application enables customers to focus on all the products.
- At any time, the admin can log in to the web application and manage categories, manage items and manage orders.
- Admin can view customers orders.
- At any time, customers can log into the web site and search for items.
- To make an order, customer must register for one time. And can make a payments by online (only if they prefer).
- And also customer can cancel the order.

- The ordered items recorded in this application automatically and the orders will be automatically added to the order list.

1.4 Resource required

- **Development framework**
ReactJS with Redux
Express
- **Languages**
SCSS, JavaScript
- **Database Management System**
MongoDB
- **Other technologies**
Typescript, GraphQL, AWS

2. PROBLEM

As mentioned under the background of the project above, the business has to face various problems depending on the current situation of the system. One of the main weaknesses is, all transaction records are in books. So admin can not view the records in different places. Due to no physical location on Glamity, it has no ability to meet the customers physically. So lost the opportunity to present the product line to the customer at same time. Also it can be occur mistakes and delays due to recording in books. This makes it difficult to retain customers and less attractive customers due to the inability to order easily.

3. SOLUTION

As mentioned under the proposed system the solution is a web application which can
Manage products
Manage online payments
Manage admin module
To come out from the problems mentioned under the problems section.

4. Key features

Manage products

- From the Homepage, click Products to open the products overview(sizes, prices,etc...)
- Search and sort products
- Add ,delete and update(size and quantity) products from the cart.

Input transactional details

- Based on the transaction (purchase/sales) user should be able to input details about transactions and calculate the subtotal. Here you can Add to cart, Cancel orders, Add payment methods, Add shipping method, Make the payment.

Manage Customers

- Here you can Register customers, Login existing customers, Proceed to checkout, Logout.

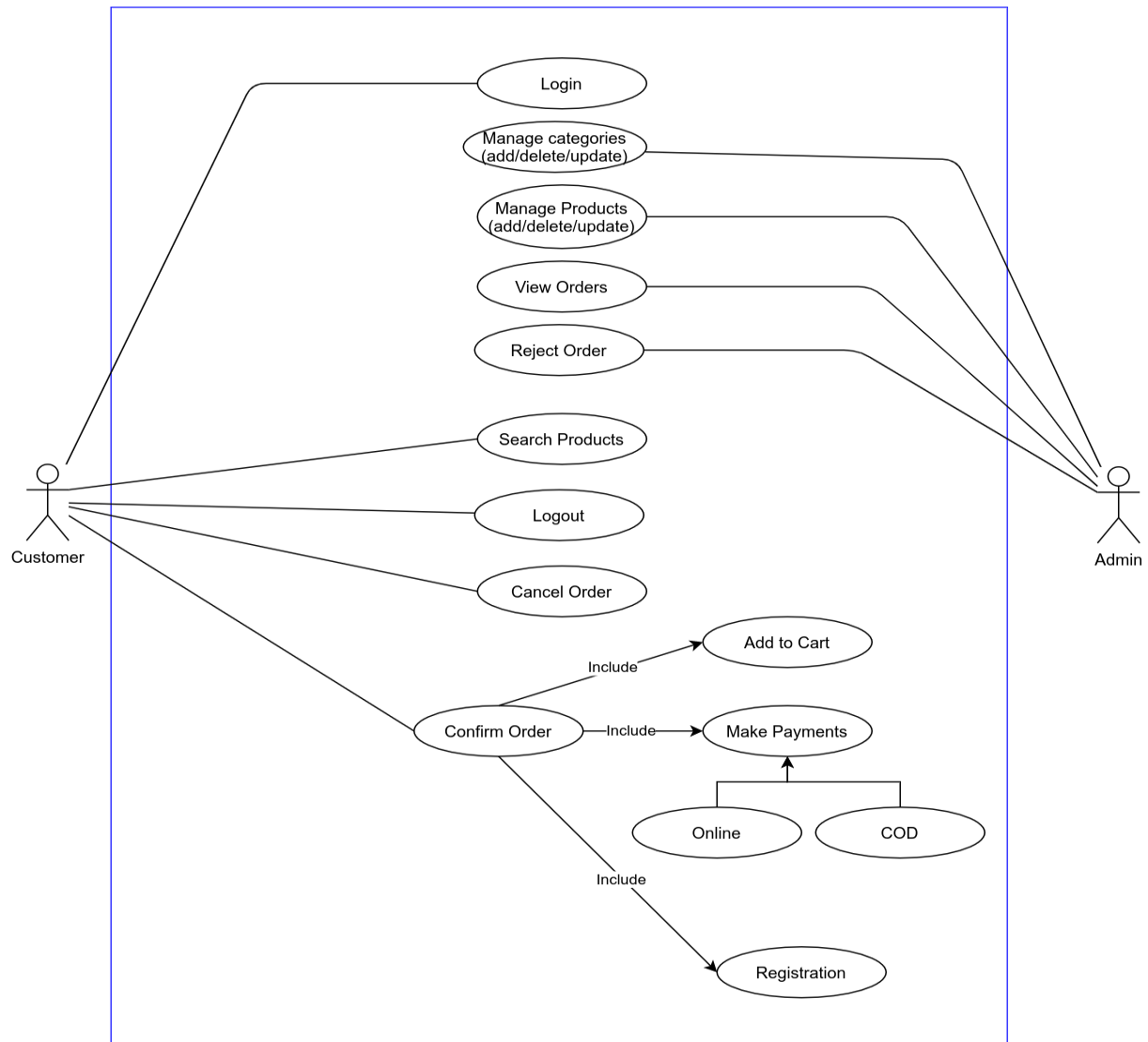
Manage Admin module

- Login admin, View order details, Reject Order, Check cancelled orders, View the records of payments, Logout.

5. Timeline

[illegible]

6. Use case diagram



7. DECLARATION

I do hereby declare that the work reported in this report was exclusively carried out by me. It does not contain any material previously published or written by another person or myself and only it describes the results of my own independent work except where due reference has been made in the text.

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