University Department of Computer Science

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Subject: **Software Design Lab**

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Introduction

Project Description

The name of this project is **ShopEasy** which is an E-commerce website through which users will be able to purchase different products and get them delivered to their desired address.

Purpose

The **ShopEasy** web application is intended to provide complete solutions for customers through a single gateway using the internet as sole medium. It will enable customers to browse through the shop and purchase them online without having to visit the shop physically. The user can set products from a wide variety of categories as well.

Scope

- Profile management facilities for customers.
- Creating a shopping cart so that customers can shop "n" number of items and checkout finally with the entire shopping cart.
- Customers can add or delete items in the cart.
- New products can be added from backend dynamically that can be viewed by customers.
- Admin and buyer both get a confirmation mail upon successful product purchase.
- Customer can specify shipping address.

References

- React JS
- CSS
- Commerce JS
- React Router
- Firebase

Overall Description

Product Functions

- The main purpose of the product is to reduce the manual work.
- A customer can browse through the products to place in a virtual shopping cart.

User Class and Characteristics

The user should be familiar with the shopping mall related technology like shopping cart/ checkout.

Design and Implementation Constraints

- An online store is a virtual store on internet where customers can browse through the catalogue and select products of interest.
- The selected items may be collected in a shopping cart.
- At checkout time the items in the shopping cart will be present as an order.
- The customer will be asked for fill up billing address, Shipping address.
- A confirmation E-mail will be sent to both customer and admin.

Operating Environment

The product will be operating in any web browsers in windows, any Linux distribution and desktop view in mobile web browsers.

Assumption and Dependencies

Assumptions

- The ShopEasy website is running 24 by 7 a day.
- User may access from any computer that has internet browsing capabilities.

- User must have their correct username and passwords to enter into their online account.

Dependencies

- The information of all users must be stored in a database that is accessible by **ShopEasy** system.

Additional Features that may be added

- Payment page
- Feedback for the product
- Able to cancel the product if not shipped
- My orders
- Seller can add their products which can be purchased by customers