**Shopping Cart Application**

Shopping cart is an ecommerce website, there are two roles one is Admin where he sells the products and other was the customers/users. Here customers can create account and login to their active account. Users can browse various types of products. Products on this site will be displayed category wise.

This site consists of various types of products like electronics, books, apparel, and personal-care items, etc. User can browse through the products and gradually add them to his cart. When the user completes adding the necessary items then he clicks checkout which redirects him to the checkout page where the total of the products in the cart is displayed It also allows users to make payment through various modes like wallet payment and cash on delivery.

Milestone 1:

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| No. | Stories | Estimated Time |
| 1 | **Header Templating:**   * contains Logo, Home tab, search bar, shop by category, signUp, Login, Add to cart | 4 Hrs |
| 2 | **Header Routing:**   * Linking components | 3.5 Hrs |
| 3 | **User & Admin Dashboard:**   * User information, admin information | 4 Hrs |
| 4 | **Implementing Node.js:**   * User Signup & validation * Auth/Admin middleware | 6 Hrs |
| 5 | **CRUD operation usingNode.js:**   * Product CRUD operation | 5.5 Hrs |

Milestone 2:

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| No. | Stories | Estimated Time |
| 1 | **API Implementing-Rest Template:**   * Node and Express | 2 - 3days |
| 2 | **Implementing-MongoDB:**   * connecting database with Nodejsusing   mongoose | 4 Hrs |
| 3 | **Adding Validations** | 3 Hrs |
| 4 | **Designing Components:**   * Components for UI using React | 1 day |
| 5 | **Combining Nodejs & React:**   * Integration of frontend with backend | 6 Hrs |

Milestone 3:

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| No. | Stories | Estimated Time |
| 1 | **Testing & Debugging:**   * Testing all features | 5 Hrs |
| 2 | **Improvisation in UI:**   * Improving & adding some features in UI | 4 Hrs |
| 3 | **Improvisation in Node:**   * Improving Node with Express | 4 Hrs |
| 4 | **Improvisation in MongoDB**   * Find out the way to improve database | 4 Hrs |
| 5 | **Testing :**   * Jest testing will be used for unit testing | 6 Hrs |

**Actors :**

1. **User :**

* User can search for a product without login and access the website.
* User can Signup if he is new user or login with the account with which he registered in the website in order to be able to use the website.
* User can add products to the cart.
* User can remove products from the cart.
* Filter products by price.
* For placing the order user has to login or create the account if he don’t have active account.
* User can make wallet payment and also cash on delivery.
* Payment Summary: Users can get immediate payment summary for the services received.
* User can view their previous orders and transactions.

1. **Admin :**

* Admin can create/update Product.
* Admin can delete Products.
* Manages and View the order.
* Report Management: Admin can generate and filter reports