**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 27 June 2024 |
| Team ID | SWTID1720001202 |
| Project Name | Shop-EZ (E-commerce Website) |
| Maximum Marks | 3 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

**Problem Statement – 1**

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| **S.No.** | **Parameter** | **Description** |
| 1 | Problem Statement (Problem to be solved) | Download the invoice of the product ordered last month. |
| 2 | Idea / Solution description | Create a centralized invoice management system within the shopping app where users can easily access and download invoices for all their past orders. |
| 3 | Novelty / Uniqueness | The system will have a user-friendly interface with search and filter options, allowing users to quickly locate specific invoices. |
| 4 | Social Impact / Customer Satisfaction | Customers will have easy access to their invoices, leading to increased satisfaction and trust in the shopping platform. This will particularly benefit users needing invoices for warranty or tax purposes. |
| 5 | Business Model (Revenue Model) | The solution can be offered as a premium feature or included in a subscription model, generating additional revenue. It can also reduce customer service costs related to invoice requests. |
| 6 | Scalability of the Solution | The solution can be scaled to integrate with multiple shopping platforms and support different formats of invoices, making it universally applicable. |

**Problem Statement – 2**

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| 1 | Problem Statement (Problem to be solved) | Have a seamless online shopping experience. |
| 2 | Idea / Solution description | Develop a consolidated shopping platform that aggregates products from multiple e-commerce websites, ensuring optimal performance, aesthetic design, and comprehensive product availability. |
| 3 | Novelty / Uniqueness | The platform will use advanced algorithms to ensure fast loading times, a customizable and visually appealing interface, and a wide product range by integrating various e-commerce sites. |
| 4 | Social Impact / Customer Satisfaction | Enhances user experience by providing a one-stop shop for all online shopping needs, reducing frustration and increasing satisfaction. |
| 5 | Business Model (Revenue Model) | Revenue can be generated through affiliate marketing, partnerships with e-commerce sites, and offering premium memberships for additional features. |
| 6 | Scalability of the Solution | The platform can scale by adding more e-commerce partners and expanding to different regions, accommodating a larger user base and a diverse range of products. |

**Problem Statement – 3**

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| **S.No.** | **Parameter** | **Description** |
| 1 | Problem Statement (Problem to be solved) | Purchase items during sales events without unexpected removals from the cart. |
| 2 | Idea / Solution description | Implement a secure and reliable shopping cart system that locks items for a specific period during sales events to prevent unexpected removals. |
| 3 | Novelty / Uniqueness | The system will use real-time inventory checks and a locking mechanism to ensure items remain in the cart, reducing pressure on users to make hasty purchases. |
| 4 | Social Impact / Customer Satisfaction | Provides a stress-free shopping experience during sales events, increasing customer satisfaction and loyalty. |
| 5 | Business Model (Revenue Model) | This feature can attract more users to the platform, increasing overall sales and revenue. It can also be part of a premium service package. |
| 6 | Scalability of the Solution | The solution can be implemented across various shopping platforms, supporting large volumes of transactions and different types of sales events. |

**Problem Statement – 4**

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| **S.No.** | **Parameter** | **Description** | **S.No.** |
| 1 | Problem Statement (Problem to be solved) | Schedule deliveries for specific time slots. | 1 |
| 2 | Idea / Solution description | Develop an advanced delivery scheduling system that allows users to choose precise time slots for delivery based on their availability. | 2 |
| 3 | Novelty / Uniqueness | The system will use AI and machine learning to optimize delivery routes and time slots, providing more accurate and convenient scheduling options. | 3 |
| 4 | Social Impact / Customer Satisfaction | Significantly reduces delivery-related inconveniences, leading to higher customer satisfaction and increased trust in the delivery service. | 4 |
| 5 | Business Model (Revenue Model) | Can be offered as a premium service or integrated into a subscription model, generating additional revenue. It can also reduce missed deliveries and associated costs. | 5 |
| 6 | Scalability of the Solution | The solution can be scaled to support various regions and delivery services, adapting to different logistics networks and customer needs. | 6 |