

## **PROJECT DESIGN PHASE-I**

### **PROPOSED SOLUTION TEMPLATE**

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**

<b>S.No.</b>	<b>Parameter</b>	<b>Description</b>
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**

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**

<b>S.No.</b>	<b>Parameter</b>	<b>Description</b>
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**

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	3

		machine learning to optimize delivery routes and time slots, providing more accurate and convenient scheduling options.	
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