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Course:

**SECJ2253**

Section:

**2**

Team:

**6**

Title of Assignment:

**Jamboard Topic 8 Exercise**

## 1. Attribute types for the e-souvenir requirements:

- Language (Multiple languages)
- Search filters (Categories, price ranges, locations)
- Payment gateway (Secure and reliable)
- Review and rating system
- Geolocation-based recommendations
- Order tracking and shipment updates
- Wishlist feature
- Integration with social media platforms

## 2. Suggested views for the requirements:

### a. Home Page:

- Displays featured souvenirs, new arrivals, and popular categories.
- Includes a search bar and advanced search filters for tourists to narrow down their choices.
- Shows geolocation-based recommendations based on the tourist's current location.
- Provides links to language options and social media sharing.

### b. Product Listing Page:

- Presents souvenirs in a grid or list format, with thumbnail images, prices, and brief descriptions.
- Includes advanced search filters for categories, price ranges, and locations.
- Enables sorting options based on popularity, price, or ratings.
- Allows tourists to add items to their wishlist or cart.

### c. Product Detail Page:

- Displays detailed information about a selected souvenir, including images, descriptions, prices, and ratings.
- Provides an option to select language preferences.
- Includes an option to leave reviews and ratings.
- Offers related items and social media sharing buttons.

3.

<b>ID</b>	<b>Attribute Name</b>	<b>Description</b>	<b>Source</b>	<b>Stability</b>	<b>Criticality</b>	<b>Priority</b>
1	Multiple languages	Support for multiple languages for tourist needs	Stakeholder	High	High	High
2	Secure payment gateway	Integration of a secure and reliable payment system	Stakeholder	High	High	High
3	Advanced search filters	Ability to narrow down souvenir choices with filters	Stakeholder	Medium	Medium	Medium
4	Review and rating system	Allows tourists to leave reviews and ratings	Stakeholder	Medium	Low	Low
5	Geolocation-based recommendations	Recommends local and nearby souvenirs based on location	Stakeholder	Medium	Low	Low
6	Real-time order tracking and shipment updates	Enables tracking of orders and shipment updates	Stakeholder	Medium	Low	Low
7	Wishlist feature	Allows tourists to save souvenirs for future reference	Stakeholder	Medium	Low	Low

8	Integration with social media platforms	Integration with popular social media platforms	Stakeholder	Medium	Low	Low
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4.

Pre-RS traceability:

- i)Stakeholder Requirement :”The customer desires the simplest possible interaction with the e-commerce souvenir system”.
- ii)Business goals and objectives :”We want to gain technological market leadership by 2010”.

Traceability between requirements:

- i)Requirement specification document

Post-RS traceability:

- i)Design documents :Rough design and refined design
- ii)Test cases
- iii)Implementation

5.

1)The system should allow tourists to browse and search for souvenirs based on various categories **v0.1**

2)The system should allow tourists to add selected souvenirs to their shopping cart **v0.2**

3) The system should provide a secure checkout process for tourists to make online payments **v0.3**

4)The system should incorporate a recommendation engine that suggests related souvenirs to tourists based on their browsing and purchase history **v0.4**

6.

1. Adaptive change
  - a. It introduces a new feature (Payment Gateway) to the existing system to enhance its functionality.
2. Corrective change
  - a. Ensuring the application works across multiple devices is a requirement, thus redesigning the system's user interface must be implemented in order to make sure the requirements are met.
3. Exceptional change
  - a. Adapting the system to make sure it complies with GDPR must be done immediately in order to not fall into lawsuits.
4. Exceptional change
  - a. Changing the current system for it to comply with the Value Added Tax must be done immediately in order for the customer to see what charges are incurred in the transaction.
5. Adaptive change
  - a. The system implements a robust error handling mechanism in order to meet the ever evolving environment of cyber security.