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Ideation and stakeholder needs

Project Title : Ignite Perfume Web Application

1.Stakeholder Identification and Needs Analysis

For the Ignite Perfume Web Application, the key people involved are:

1. Customers :

- They need a website that's easy to use so they can look at and buy perfumes.
- They want product details that are easy to understand, such as brand, scents, bottle size, and cost.
- They expect a safe way to log in and pay to keep their personal and payment details safe.
- They want the website to work well on phones, since many people use phones to shop.

2. Small perfume business owners :

- They need a cheap online place to sell their perfumes.
- They want an admin area that's simple to use for handling products, watching orders, and changing stock levels.
- They expect systems that can grow with their business without costing too much.

3. Administrators/Developers (system managers):

- They need a strong backend system to manage payments, users, and product details.
- They want website hosting that uses the cloud so it can grow and stay online.
- They have to make sure data is private and follows security rules.

2. Problem Statement

Lots of small perfume sellers find it hard to sell online because current online shopping sites cost too much, are hard to use, or don't fit their needs. Customers have problems like not knowing enough about products, a bad experience on phones, and worries about safety when paying. There's a need for a perfume website that's cheap, safe, and easy to use, giving clear product details, a simple shopping process, and easy management for sellers

3. Ideation of Solutions

1. Perfume-Specific E-commerce Platform:

- A website made just for selling perfumes, with lots of information, pictures, and scent details for each one.
- It allows shoppers to feel good about what they are buying.

2. Integrated Admin Dashboard for Sellers:

- A behind-the-scenes area where sellers can add items, change them, remove them, see their sales, and handle customers.
- Makes it easier for small companies to use technology.

3. Secure and Scalable Cloud Deployment:

- Using Vercel and MongoDB Atlas to host the site makes it fast and able to grow.
- It has safe logins, rules about privacy, and protected payments, which makes users trust it more.

4. Relevance to ICT Domain

- Web and Mobile Application Development: Made with React.js, Node.js, Express.js, and MongoDB, which are popular in today's tech world.
- Cloud Computing: Putting it on Vercel makes sure it can grow without

costing too much.

- Cybersecurity Practices: Keeping customer information safe with encryption, logins, and secure payments.
- User-Centered Design (UI/UX): Designed for phones first, which fits with more people shopping on their phones.

Impact:

- Buyers enjoy a secure and easy way to purchase perfumes.
- Smaller shops receive a cheap online space to compete with others.
- This work shows how ICT can be used to fix actual business problems.