

TEAM MEMBERS :

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TITLE OF PROJECT: **SHOPCRUSH**

OBJECTIVE:

To develop a web application that allows a registered customer to purchase a variety of products sold online by a list of registered sellers from any location in the world as an user friendly Interface.

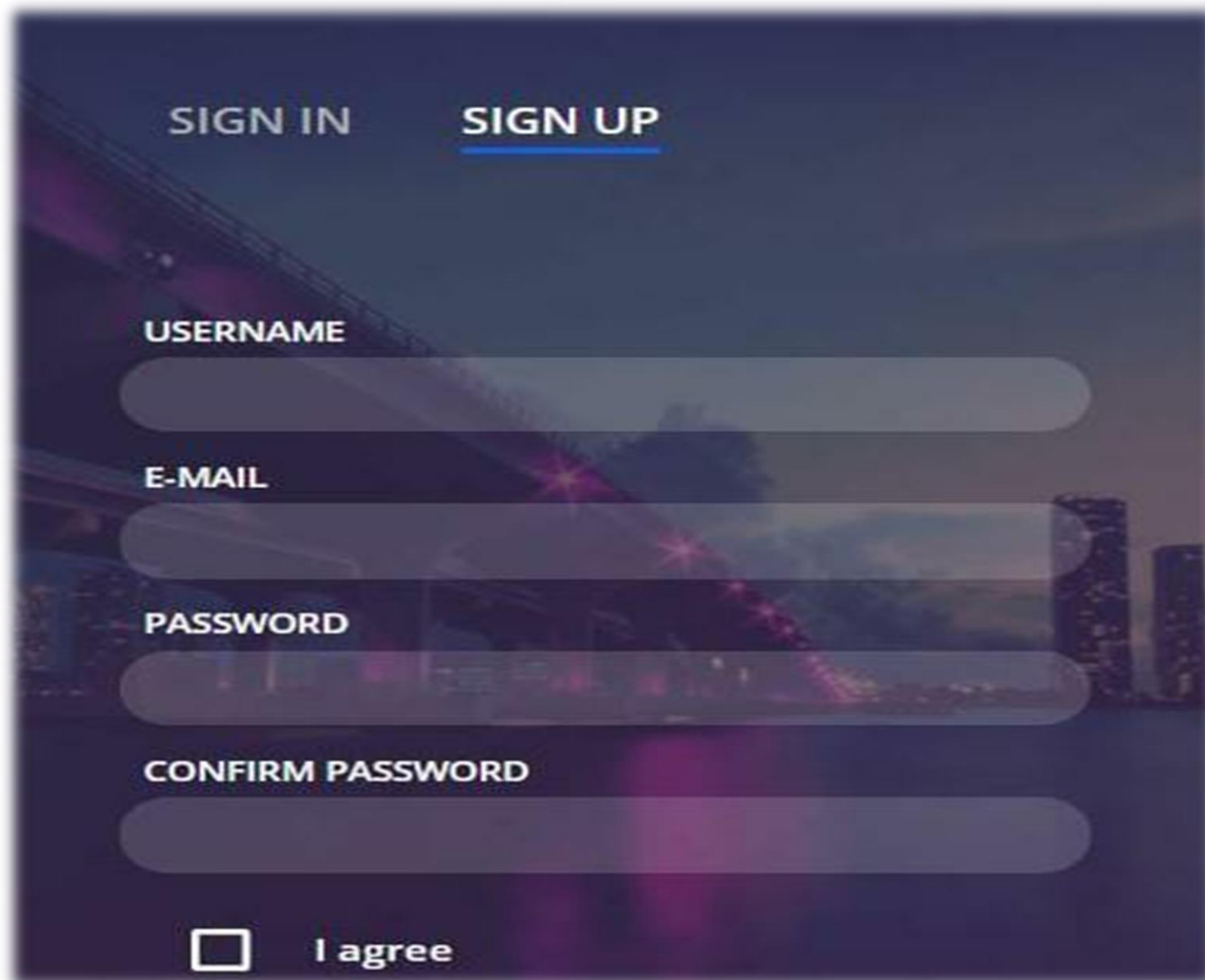
USERS OF THE SYSTEM:

- 1.Admin
- 2.Customer
- 3.Sellers

FUNCTIONAL REQUIREMENTS:

- *Registration, signup, dashboard page, login , profile, product page, logout*
- Secure registration and profile management facilities to customers.
- Browsing through the e-store to see all the items that are where in each category of products like garments(ethnic ,western , etc) and electronic accessories.
- Advocate searching mechanisms for easy and quick access to particular products and services.
- Regular updates to registered customers of OFS about new arrivals .
- Uploading ‘most purchased’ items in each category of the products in the shop.

SAMPLE SIGN UP PAGE

A sample sign-up page with a dark blue background featuring a city skyline at night. The page includes a 'SIGN IN' link and a 'SIGN UP' link with a blue underline. Below the links are four input fields for 'USERNAME', 'E-MAIL', 'PASSWORD', and 'CONFIRM PASSWORD'. At the bottom, there is a checkbox and the text 'I agree'.

[SIGN IN](#)

[SIGN UP](#)

USERNAME

E-MAIL

PASSWORD

CONFIRM PASSWORD

☐

I agree

- The system should support logging and auditing at all levels.
- Dynamic price model by which prices can be changed based on demand and supply.
- 3D visualization.
- To add unlimited items in cart.
- Better component design to get better performance at peak time.
- Should be able to monitor via as-is enterprise monitoring tools.
- Solutions are cloud-ready.
- Compactable with all latest browsers.

3D VISUALIZATION



- Two step verification to avoid fraudulent purchases.
- Maintaining database of regular customers of different needs.
- Shop employees are responsible for internal affairs like processing orders, assure home delivery, getting customer's delivery-time feedback, updating order's status and answering client's queries online.
- Feedback mechanism , so that the customers can give feedback for the product of service which they have purchased. Also facility rating of individual products by relevant customers.
- All type of payments are available from time to time.

NON-FUNCTIONAL REQUIREMENTS:

- Should accommodate high number of items and users without any fault.
- Responses to view information should take within 5seconds.
- 24*7 availability
- System will use secured database.
- Only registered users can modify their personal and other information.
- System will have different types of users and every user has access constraints.
- OFS shall handle expected and non expected errors in such a way that prevents data loss.

TECHNOLOGIES USED :

- Programming languages: HTML, CSS, Java script.
- Tools : Apache tomcat 6.0.18 ,EclipseJ2EE.

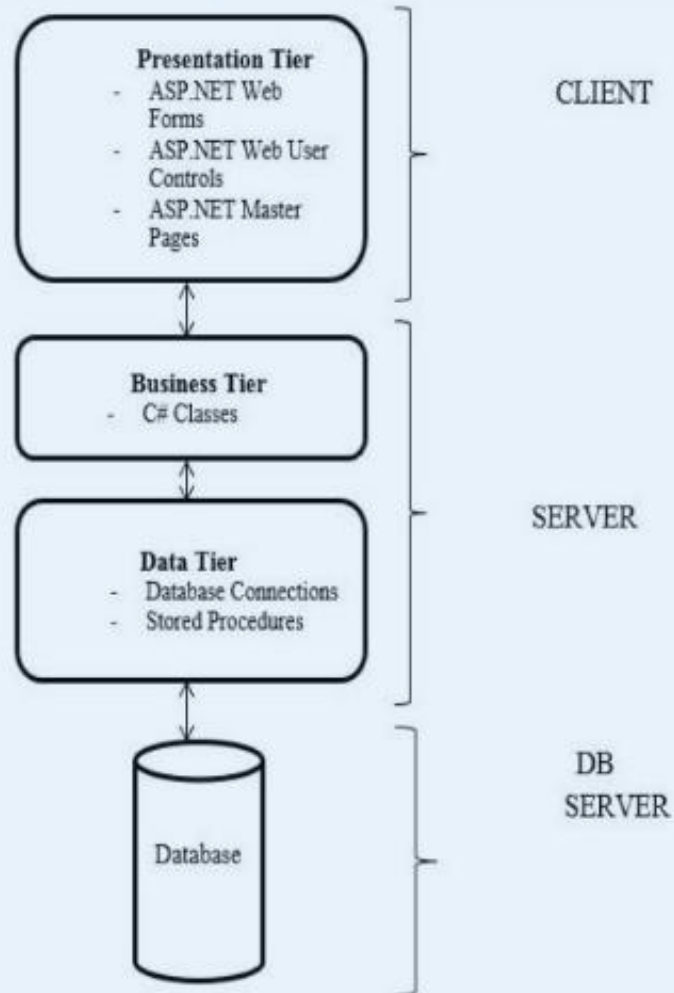
SPECIFIC REQUIREMENTS:

- ***Performance, availability, scalability, maintainability, availability***
 - ***Monitoring, cloud, logging and auditing.***
-
- Database management
 - Contact and giving permission to sellers.
 - Customers can login and new users can sign in by creating new ID.
 - They can view edit personal, payment details and also compare available products while purchasing.
 - Can do online, card payments.
 - If wanted the customers can logout the sites .
 - Everyone are able to visit the site without registration.

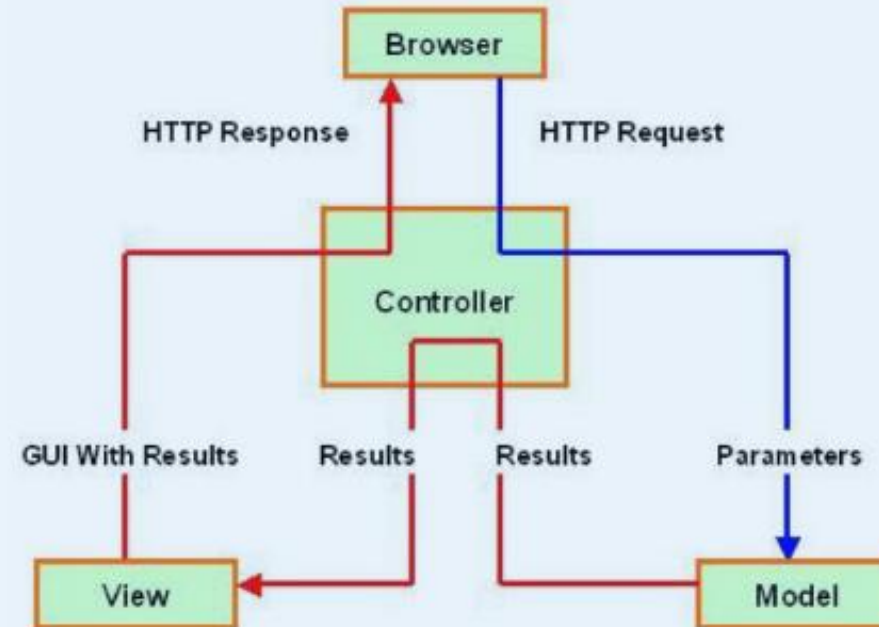
- Search based recommendation for customers(personalised recommendation).
- Keep track of each product stocks and payment transactions and it is updated to admin.
- Responsible for contacting bank for the validation of a/c number provided by the customer for in-app purchases.
- Immediate replies for customer's complaints, queries and feedbacks.
- The sellers are given verified account by the admins after quality verification.
- Onsite advertisement for sellers.

Architecture & Design Pattern

3 – Tier Architecture

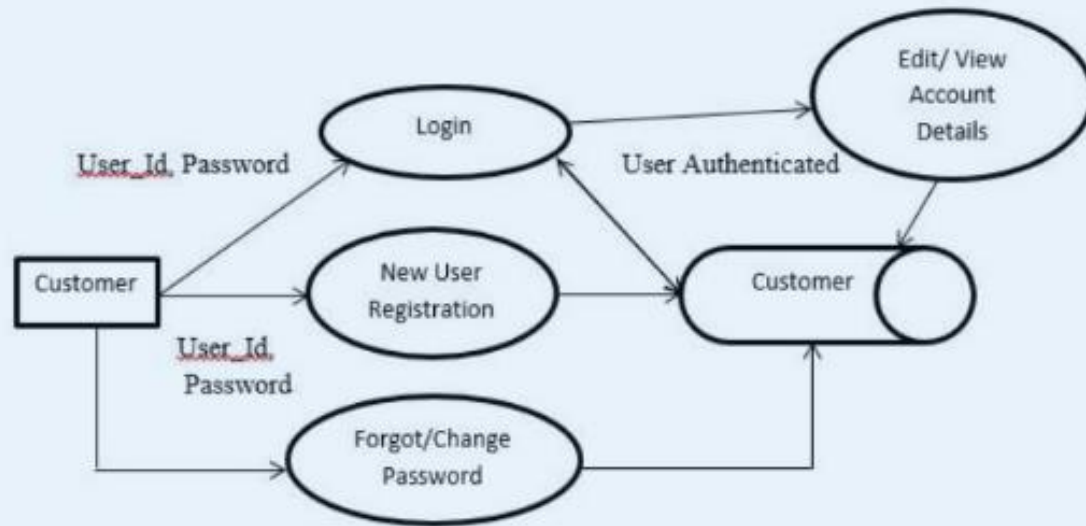


MVC

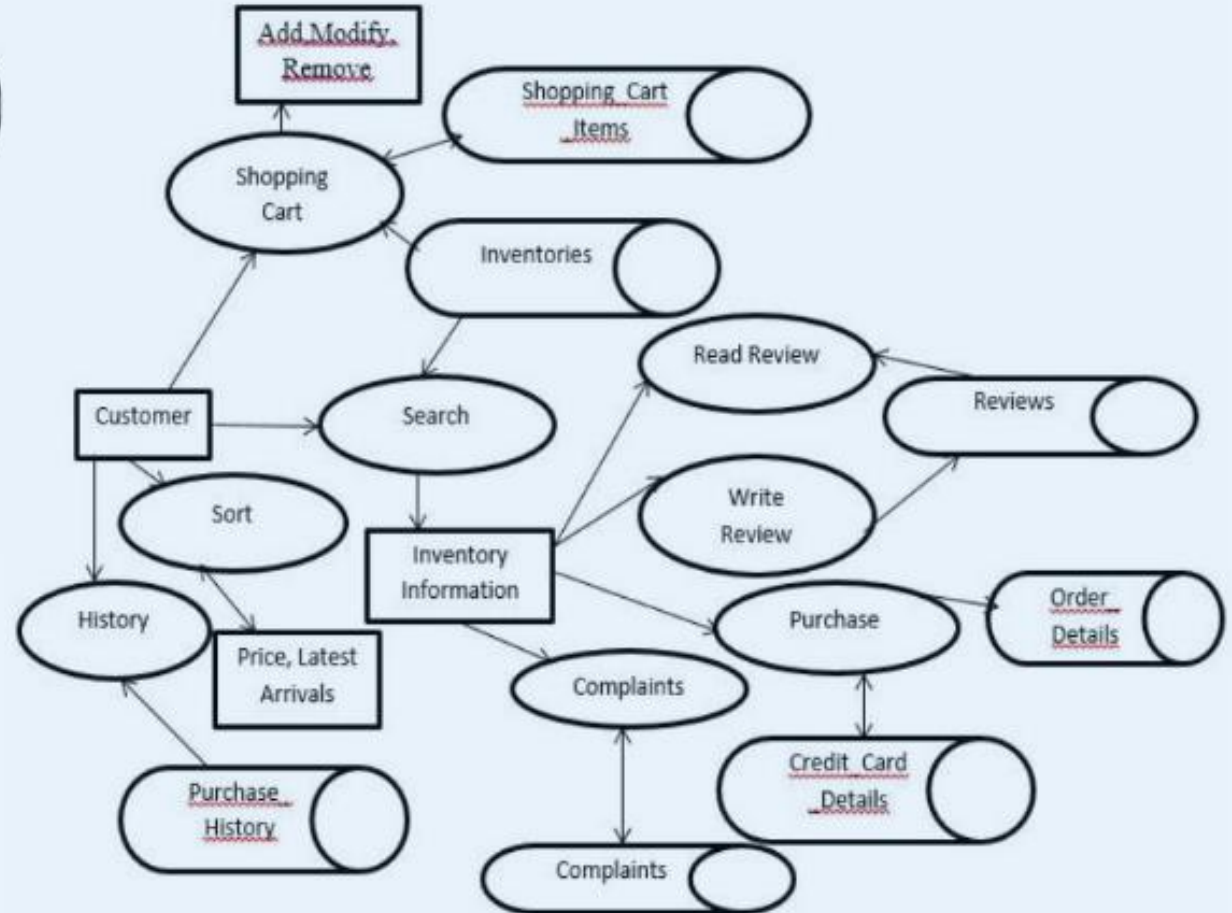


Product Function Diagram

Account Setting

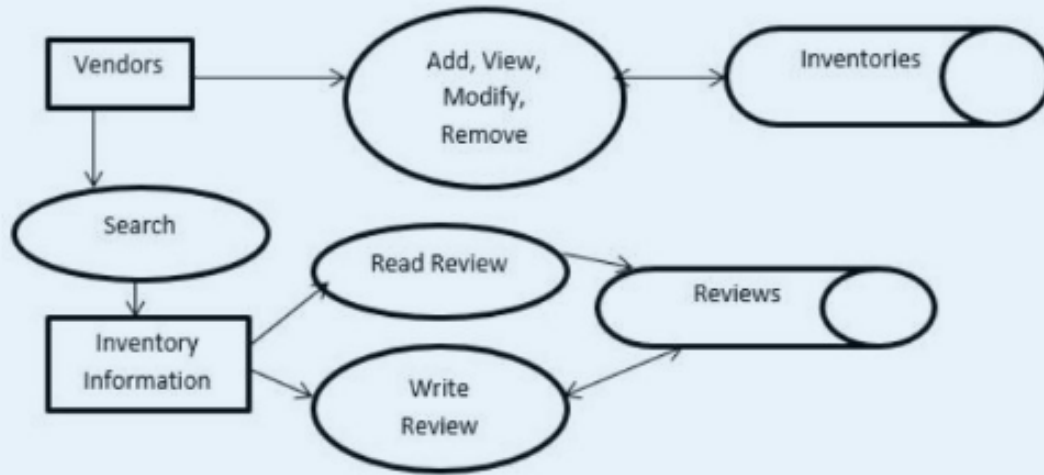


Customer

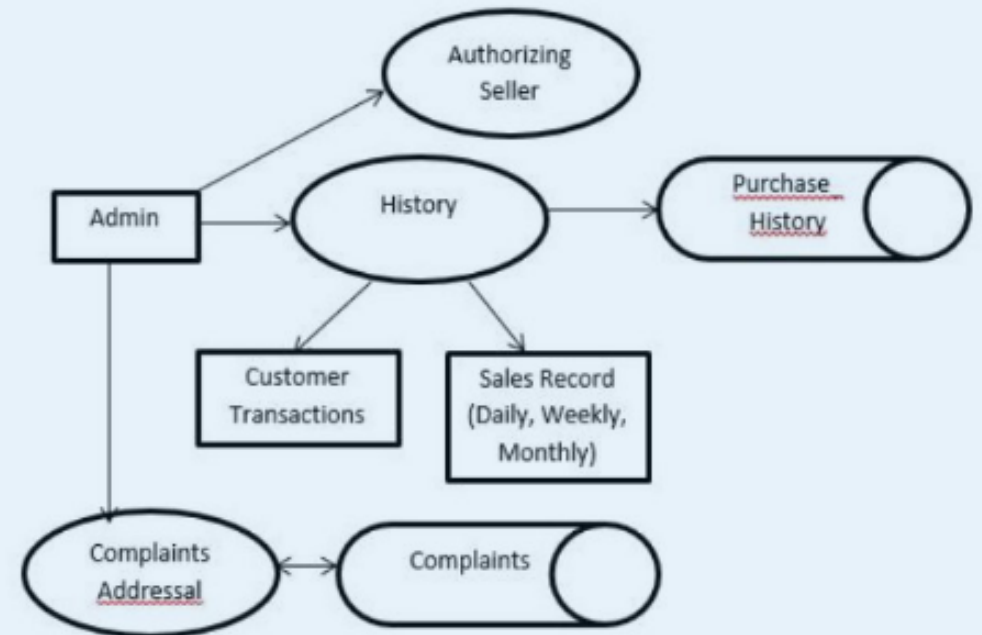


Product Function Diagram (Contd..)

Vendors



Admin



POSSIBLE ORIGIN OF CHANGE:

- New business or market conditions
- Customer demand
- Budgetary or scheduling constraints
- Themes and Visualization

GLOSSARY:

- OFS – Offer For Sale
- HTML – Hyper Text Markup Language
- CSS – Cascading Style Sheets
- ID – Identity
- 3D – Three Dimension



- HTTP – Hypertext Transfer Protocol
- GUI – Graphical User Interface
- ASP – Active Server Pages
- DB – Data Base
- MVC – Mobile View Control

