

SRS Document

Description:

An online furniture store makes people's shopping experience flexible and more convenient by offering them a variety of furniture choices online, along with many styles, materials, and costs. Users can discover classic and modern furniture, too, by just tapping on their mobile screen right from the comfort of their homes and purchasing online.

User requirements:

No multistep to log in, register, or log out: users can create or log out account in one step.

The system should have the ability to view the products and recommend designs for you without registration.

Users can search for a specific item, select an item to add to the cart and can update \ delete her\his item.

The system provides the ability to pay cash or credit if the user chooses to pay by credit the system Should check the credit card first, then confirm the order by admin.

The user has the option to give his review.

Every period the system provides offers and discounts.

If the user chooses prime membership, she/he can see the offers first and special discount.

Functional requirement:

1- Registration:

Description: The User can register his information if he does not have an account.

Inputs: Username, E-mail, password, confirm password, phone number, and address.

Source: From user

Pre-condition: the user does not have an account.

Post-condition: the user can enter the system normally.

Output: message "the account is generated".

2- Login:

Description: The User can assign in if he/she has already an account.

Inputs: E-mail /Username and password.

Source: From user

Pre-condition: the user already has an account.

Post-condition: the user does not need to register again and can purchase furniture.

Output: Display purchase page.

3- View product:

Description: view a variety of furniture and related furniture he searched before.

Input: furniture name.

Source: From user.

Pre-condition: the furniture already exists.

Post-condition: Display furniture.

Output: If the furniture already exists, Display the furniture, else message "the furniture does not exist"

4- Make purchase:

Description: purchase online cash or credit.

Input: id credit number if he selects the credit option or cash.

Source: From user.

Pre-condition: the user must have an account.

Post-condition: the user receives a report.

Output: confirmation message.

5- Generate Report:

Description: the admin generates a report after shopping.

Input: furniture data.

Source: From Admin.

Pre-condition: the user buys an item or more.

Post-condition: user message to receive a report.

Output: Report generated.

Nonfunction requirement:

1- Usability:

how easily a user can achieve her/his goal in a single page. how the facility of performing the tasks in the system. Customers should easily find the right product for them, understand what problems, and solve it, and make a purchase without contacting us.

2- Security:

Only the system admins can assign roles and change access permissions to the system. The system must be flexible to prevent any kind of attack and protect user data, especially credit card info.

3- Validation:

The system needs to validate the user data when login or registering for example check the right password or if data already exist.

4- Scalability:

the system must be scalable enough to support the maximum number of users visiting at the same time while maintaining optimal performance.

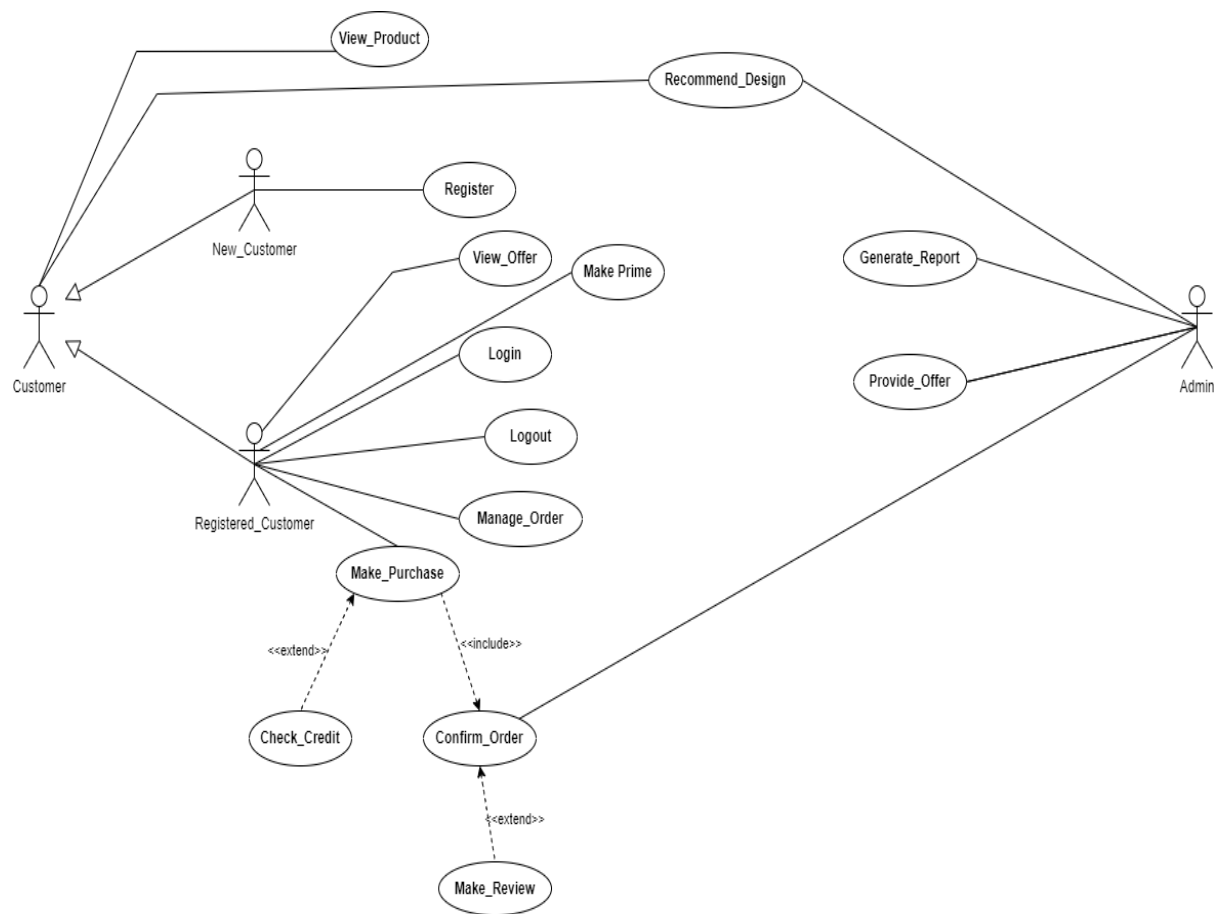
5- Maintainability:

Because we are looking for improvement, the system generates monthly reports so we can detect the conflicts that face the user and keep the system UpToDate.

6- Performance:

How fast does the system return results, how fast should request orders, how response times to the user is quick when the system is under heavy load, performance doesn't change due to the increasing number of users visiting at the same time.

Use Case Diagram:



Sequence Diagram "Mange Order"

