# Use Case Template

Version 2.0

By Debug Entity

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## Revision History

|  |  |  |
| --- | --- | --- |
| Date | Author | Description of change |
| NIL |  |  |
| 20/8/21 | V Sai Sriya | The script for UCD was added |
|  | Team | Small changes in the UC |
|  | Sangamitra | Addition of 4.3 Confirmation Page |
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| --- | --- |
| USE CASE ID | CONTRIBUTORS |
| UC 1, UCD | V SAI SRIYA |
| UC 2 | MOHAMMED RIYAS |
| UC 3 | R SAI PRAKASH |
| UC 4 | SANGAMITHRA S |

**Use Case:** Login Portal

**Id**: UC- 1

**Description**

The user is asked to login to their account by providing their username and password. If the user doesn’t have an account, they are allowed to create one.

**Level:** High

**Primary Actor**

* Admins
* Customers

**Supporting Actors**

* Database Managers

**Stakeholders and Interests**

* Database Managers – Verifies whether all the details are proper or not.

**Pre-Conditions**

* Stable internet connection is provided
* User has valid email id and phone number

**Post Conditions**

Success end condition

* User is logged in
* Account created
* Admins taken to admin page
* Customers taken to homepage

Failure end condition:

* User isn’t logged in
* Account not created

Minimal Guarantee

* Users view their respective homepages

**Trigger**

* User enters username and password

## Main Success Scenario

1. User is asked to enter username and password to proceed
2. User enters the details
3. The system verifies the details
4. The user is redirected to the homepage
5. The above steps will happen if and only if the user already has an account if not user should create an account.

## Extensions

* If the user doesn’t have an account

1. They can select the create new account.
2. The user will then be required to fill in details such as name, email id, phone number, address and create a password.
3. Once they do all that is necessary an account on their name will be created.

## Variations

* To login the user gives their email id as username.

**Frequency:** Every time the user wants access to the homepage this login usecase will be executed

**Assumptions**

* Good internet connection
* Fault free server connection
* User doesn’t forget their password.

## Special Requirements

Performance Requirements

* The website shall process the information within 15 seconds of the user request

Security Requirements

* The system shall display the characters of the password in a masked format when they are entered by the user. Example the characters will be masked and be displayed as \*\*\*.

Rationale – This is to ensure that a bystander will not be able to read the password.

* The details of the customers will not be disclosed by the administrators who have access to the details.

User Interface Requirements

* The login page shall display all options and messages in English
* The font of all letters will be Times New Roman with a size of 12.

## Issues

1. The minimum size of the password should be 8 characters
2. All the email ids provided should be unique
3. User doesn’t forget their password at the time of login.

## To do

1. The database for the details of all users needs to be created.

**Use Case:** Profile Details

**Id**: UC- 2

**Description**

The user views their profile details i.e name, email ID and mobile number. They are allowed to change their password. They can view the status of their orders.

**Level:** High

**Primary Actor**

* Customers

**Supporting Actors**

* Database Managers

**Stakeholders and Interests**

* Database Managers – Verifies whether all the details are proper or not.

**Pre-Conditions**

* Stable internet connection is provided
* User has valid email id and phone number

**Post Conditions**

Success end condition

* Details get displayed
* Password changed

Failure end condition:

* User doesn’t view their details
* Wrong details displayed
* Password is not changed

Minimal Guarantee

* Users view details

**Trigger**

* User clicks view profile on their homepage

## Main Success Scenario

1. The user clicks view profile on homepage
2. The profile details are generated.
3. On the bottom of the page the option to change the password and view status are given.

## Extensions

* If the user wants to change the password

1. They can click the change password button
2. They should enter their new password and confirm that password and proceed

* If user wants to view the status of their order
  + - 1. They should enter the order ID
      2. The staus of the order is generated i.e either processing, shipped or delivered.

## Variations

* The user is allowed to change the password only once in two weeks

**Frequency:** Every time the user wants to view their details

**Assumptions**

* Good internet connection
* Fault free server connection

## Special Requirements

Performance Requirements

* The website shall process the information within 15 seconds of the user request

Security Requirements

* The system shall display the characters of the password in a masked format when they are entered by the user. Example the characters will be masked and be displayed as \*\*\*.

Rationale – This is to ensure that a bystander will not be able to read the password.

* The details of the customers will not be disclosed by the administrators who have access to the details.

User Interface Requirements

* The profile details shall be displayed in English
* The font of all letters will be Times New Roman with a size of 12.

## Issues

1.The minimum size of the password should be 8 characters

## To do

1. The database for the details of all users’ needs to be created.

**Use Case:** Admin page

**Id**: UC-3

**Description**

The Admin is able to add, delete or update the items in the catalog. The Admin is also able to update the status of the existing orders, and also able to view the history of all the orders.

**Level:** High

**Primary Actor**

Admin

**Supporting Actors**

Customers

**Stakeholders and Interests**

Database Managers – Verifies whether all the details are proper or not

**Pre-Conditions**

* Stable internet connection is provided.

**Post Conditions**

Success end condition

* Able to add, delete or update items in the catalog
* Check history of orders
* Update status of orders

Failure end condition:

* Unable to add, delete or update items in the catalog
* History of orders cannot be viewed
* Status of orders cannot be updated

Minimal Guarantee

The admin will be able to update the items in catalog.

**Trigger**

When admin enters admin username and password in login module

## Main Success Scenario

1. The Admin is able to view the catalog.
2. The Admin can add, delete or update the items in the catalog.
3. The status of the existing orders can be updated by the Admin.
4. The Admin can view the history of the orders.

## Variations

* Then admin may add or delete items with the item code or select from database

**Frequency:** The Admin page will be opened whenever the Admin logs in.

**Assumptions**

* Good internet connection
* Fault free server connection

## Special Requirements

Performance Requirements

* The website shall process the information within 15 seconds of the user request

Security Requirements

* Status and history of the orders contain details about the customer and will not be disclosed by the administrator.

User Interface Requirements

* The catalog shall display all the items in English.
* The font of all letters will be Times New Roman with a size of 12.

## Issues

* An item can be added only once, i.e. the same item cannot be added again. It can be deleted or updated.

## To do

1. The database for all the details of the orders needs to be created.
2. The database with the details of the items needs to be created.

**Use Case:** Catalogue

**Id**: UC- 4.1

**Description**

Allows the customer to search, view and add items to their shopping cart.

**Level:** sub function

**Primary Actor**

* Customer

**Supporting Actors**

None

**Stakeholders and Interests**

* Product provider –has interest in providing bulk quantity of products to the merchant.

**Pre-Conditions**

* User must log onto the system before this use case begins

**Post Conditions**

Success end condition

User selects their required category and views the product and successfully add their required products to the shopping cart.

Failure end condition:

After looking at all the details of the products, the user fails to add the product to the cart.

Minimal Guarantee

* No products will be added to the shopping cart without user’s knowledge
* Gets a confirmation from the user while adding the products to the cart

**Trigger**

* User should select their required category, size, material, brand before adding to the cart.

## Main Success Scenario

1. User logs onto the website.
2. User selects their desired category, size, material.
3. User adds the product to the cart.

## Extensions

* If the user does not like a particular color, user can choose the option color and can choose their required color.
* If the user does not like the particular size, user can use the size filter and can refer to the size chart given for reference.
* If the user does not like a particular material, they can change the material type given from the options provided.

## Variations

* Display can be changed to dark or white theme based on user’s wish.

**Frequency:**

Available all day and user can access any number of times.

**Assumptions**

* Good and proper display of products
* Easy graphical user interface

## Special Requirements

Performance Requirements

* All the details in the catalogue will be visualized in a responsive web page format ,

So, the user can view the website in laptop or in mobile

Security Requirements

* Products will not be added without user’s knowledge.

User Interface Requirements

* All the products will be displayed with their pictorial format and a small description is give beneath to help the customer understand more about the product.
* The font of all the product details will be Times New Roman with a size of 10.

## Issues

* User should have stable internet connection

## To do

1. Make database containing product details.

**Use Case:** Cart

**Id**: UC- 4.2

**Description**

This use case shows the list of products selected by the user and the total amount for all the products selected by the user will be displayed. Here the user can delete the product and increase the quantity of the product.

**Level:** user goals

**Primary Actor**

* user

**Supporting Actors**

None

**Stakeholders and Interests**

None

**Pre-Conditions**

* The user has logged onto the website and has place the products in the cart.

**Post Conditions**

Success end condition

* The success condition is when user decide to purchase all the products added to the shopping cart.

Failure end condition:

* The failure condition is when user removes any product or reduces the quantity of the product from the selected products in the shopping cart.

Minimal Guarantee

* All the selected products will be stored in the shopping cart.
* Doesn’t confirm the quantity and order confirmation without user’s permission
* The system has logged off

**Trigger**

* User adds all the desired products to the cart.
* User can increase and decrease the product quantity before confirming the order.

## Main Success Scenario

1. User clicks the cart option

2. List of products selected by the user are displayed.

3. User can do modification like increase or decrease the quantity or remove the products from the cart.

4. Total amount is displayed to the user.

5. User confirms his order.

## Extensions

* If the user wants to add an extra product, he can be redirected to the home page and the needed products can be added to the cart

## Variations

* If the user uses a coupon code there will be a reduction in the total amount and then the user can pay the remaining amount.

**Frequency:** Every time when user wants the check their items in the cart and confirm their order, this use case will be executed

**Assumptions**

* Good split of cost details and total amount of display

## Special Requirements

Performance Requirements

* Any change in the quantity of the product will affect the total amount in the cart, this change in amount will be processed within a few seconds, mostly less than 10 seconds.

Security Requirements

* The order will not be confirmed without user’s knowledge.
* A double confirmation will be asked to the user about proceeding to payment.

User Interface Requirements

* All the products selected by the user will be shown in properly in an order of increasing product quantity.
* A thumbnail image of all the products is shown so the user gets a good clarity of the products selected by them.
* Split of total amount, are clearly shown to the user.

## Issues

* If the user changes the quantity of the product in the cart, the total amount might not have been changed sometimes for that we have to refreshed the page to get the correct total.

**To do**

NONE

**Use Case:** Confirmation Page

**Id**: UC- 4.3

**Description**

In this use case all the details of the product selected by the user are displayed and the user enters the delivery address, confirms and places the order.

**Level:** high

**Primary Actor**

* user

**Supporting Actors**

None

**Stakeholders and Interests**

None

**Pre-Conditions**

* The user has logged on to the website and the user has products in the cart and has clicked the confirmation button.

**Post Conditions**

Success end condition

* The user confirms and places an order

Failure end condition:

* User fails to confirm order
* User enters incomplete address.

Minimal Guarantee

* Doesn’t confirm the order without user’s knowledge.

**Trigger**

* User enters address for delivery of the product..

## Main Success Scenario

1. User confirms the products from the cart and chooses to place the order
2. Redirect to confirmation page
3. All the required details of the product are displayed.
4. User checks the details and enter the address for delivery..
5. User places the order

## Extensions

* If the user wants to add an extra product, he can be redirected to the home page and the needed products can be added to the cart

## Variations

**None**

**Frequency:** This use case will be executed every time when the user wants to place an order

**Assumptions**

* Proper internet connection
* No interruption in between confirming order.

## Special Requirements

Performance Requirements

* The redirection to checkout page is to be done within 10 seconds.

Security Requirements

* The address for destination are properly retrieved from the user.

User Interface Requirements

* Details of the product are displayed in a formal manner
* There will be a box for entering the address
* And an option for placing the order.

## Issues

* Address should not exceed more than two lines

## To do

## None

**Use Case:** Checkout page

**Id**: UC- 4.4

**Description**

Here this page contains two modes for payment. One is through PAYTM and another is cash on delivery. User selects the payment mode and completes the payment process.

**Level:** high

**Primary Actor**

* user

**Supporting Actors**

* PAYTM
* delivery person

**Stakeholders and Interests**

* PAYTM -finance
* administrator -finance

**Pre-Conditions**

* The user checks all the details and places the order and the page directs to checkout page.

**Post Conditions**

Success end condition

* The success condition is when user decide payment mode and complete the payment process.

Failure end condition:

* The failure condition is when user fails to select proper payment mode.
* Transaction is incomplete and no payment is received from the user to owner.

Minimal Guarantee

* Doesn’t confirm the payment mode without user’s permission
* The system has logged off

**Trigger**

* Selects the mode for payment.

## Main Success Scenario

1. User clicks the confirm order
2. Directs to the checkout page.
3. User selects the mode for payment
4. If cod then a message will be displayed that you will receive your item soon
5. If PAYTM then a message will be displayed that you will be contacted soon regarding PAYTM details and process.

## Extensions

* If the user selects the wrong payment mode by mistake then they can be redirect again to checkout page.

## Variations

* User can choose either payment through PAYTM or cash on delivery

**Frequency:** This use case will be executed every time when the user wants to complete their payment process.

**Assumptions**

* Proper internet connect
* Smooth payment process

## Special Requirements

Performance Requirements

* If the user selects the wrong payment mode then he/she can be redirect to the checkout page again within 10 seconds.

Security Requirements

* The payment mode will not be confirmed without user’s knowledge.

User Interface Requirements

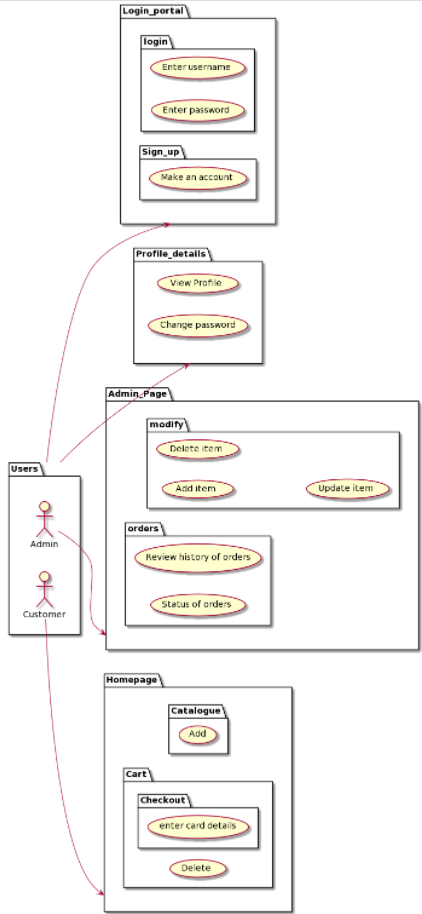
* Selection of payment mode will be in a comfortable manner for the user to choose.
* Distinct clear message will be displayed after selection of each mode.

## Issues

* If the user wants to select the other mode and if the page doesn’t support then the user have to log off and log in again for completion of payment

## To do

* To deliver the product successfully to the user
* Contact the user regarding the payment details if the user selects to pay through PAYTM.



**USE**

**CASE   
DIAGRAM**

UCD Script from PlantUML

@startuml

left to right direction

package Users{

actor "Admin" as U\_a

actor "Customer" as U\_c

}

package Login\_portal{

package login{

usecase "Enter username" as L\_us

usecase "Enter password" as L\_pw

}

package Sign\_up{

usecase "Make an account" as L\_s

}

}

package Admin\_Page{

package modify{

usecase "Add item"

usecase "Delete item"

usecase "Update item"

}

package orders{

usecase "Review history of orders"

usecase "Status of orders"

}

}

package Homepage{

package Catalogue{

usecase "Add"

}

package Cart{

usecase "Delete"

package Checkout{

usecase "enter card details"

}

}

}

package Profile\_details{

usecase "View Profile"

usecase "Change password"

}

Users --> Login\_portal

U\_a -->Admin\_Page

U\_c -->Homepage

Users-->Profile\_details

@enduml