**COMSATS University Islamabad,   
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SOFTWARE REQUIREMENTS SPECIFICATION   
(SRS DOCUMENT)

for

**GharPey**  
Version 1.0

***By***

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Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason for changes** | **Version** |
|  |  |  |  |
|  |  |  |  |

**Application Evaluation History**

|  |  |
| --- | --- |
| **Comments (by committee)**  **\*include the ones given at scope time both in doc and presentation** | **Action Taken** |
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Supervised by

Mr. M Rashid Mukhtar

Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Introduction

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS with purpose, definitions, scope, abbreviations, acronyms, references and overview of the SRS. The aim of this document is to gather and analyze and give an in-depth insight of the complete “GharPey” by defining the problem statement in detail.

## Purpose

The proposed system is an initiative to empower hardworking and skilled women by providing them with a market appraisal platform to sell their products and services. The purpose of a proposed system is to facilitate and encourage hardworking and skilled women at home or any working place that they were unable to display or sell online before. Our mission is to increase economic opportunity in Pakistan. The proposed system consists of a web and an android application.

## Scope

There are a huge number of hardworking women in Pakistan who work at home or any workplace making products that they are unable to display and sell on some huge audience platform. Similarly, talented women lack opportunities to deliver local services like Bridal Makeup etc. Whether it's a doorstep service or the service they provide from home/workplace, the issue continues in either way. The proposed system aimed at helping those hardworking talented women by offering a platform to sell their products and services at much lower cost and with less understanding.

The proposed system will allow and encourage the Pakistani women to use digital marketplace and showcase their skills and talent in well-secured manner through this platform. This platform will allow seller to create a shop as her brand, add products on it and sell them. Besides products, sellers can also provide system-defined services that could be either the doorstep service or the home / workplace service they provide Sellers can manage their store portfolios and maintain reputation through buyer reviews to survive the digital market platform. This system allows sellers to create live sessions and increase the visibility of their products to the public. Sellers can keep track of all orders and payments and enjoy popular local payment methods.

# Overall description

## Product perspective

Proposed system “GharPey” is a new software system that allow hardworking and skilled women at home to display and sell their skills and products from home or any working marketplace. The system shall allow seller to sell their products and offer services to buyer. The system is expected to evolve over several releases, ultimately connecting to the online local payment methods delivery system integration.

## Operating environment

**OE-1:** The System shall operate correctly with the following web browsers: Windows Internet Explorer version 11; Firefox versions 49 through 68; Google Chrome versions 50 through 69; and Apple Safari versions 9 through 11.

**OE-2:** The System shall operate correctly within areas of Islamabad and Rawalpindi.  
**OE-3:** The system shall operate on a server running the current corporate-approved versions of Red Hat Linux and Apache HTTP Server.

**OE-4:** The system shall permit user access from the corporate intranet; from a VPN Internet connection; and by Android, iOS, and Windows smartphones and tablets.

## Design and implementation constraints

*CO-1: The system shall use the community version of MySQL database engine.*

*CO-2: The application must use Laravel framework version 6.*

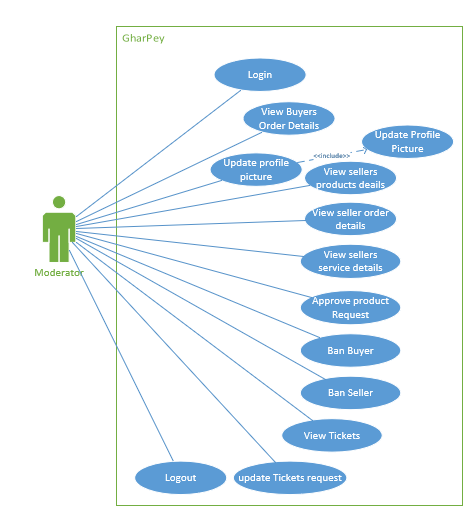
*CO-3: Online payments may be made only through Debit Card and Easy Paisa App.*

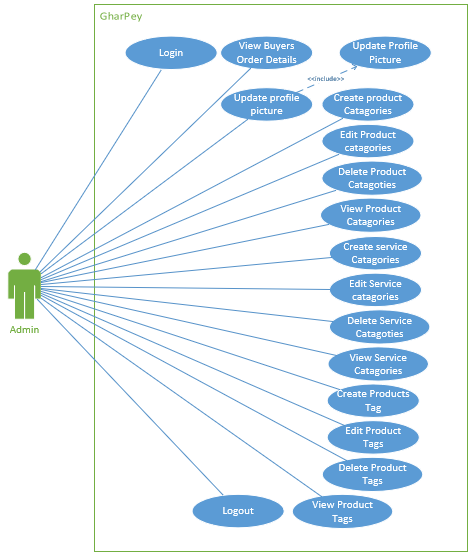
*CO-4: Product Delivery will be made only through TCS Api.*

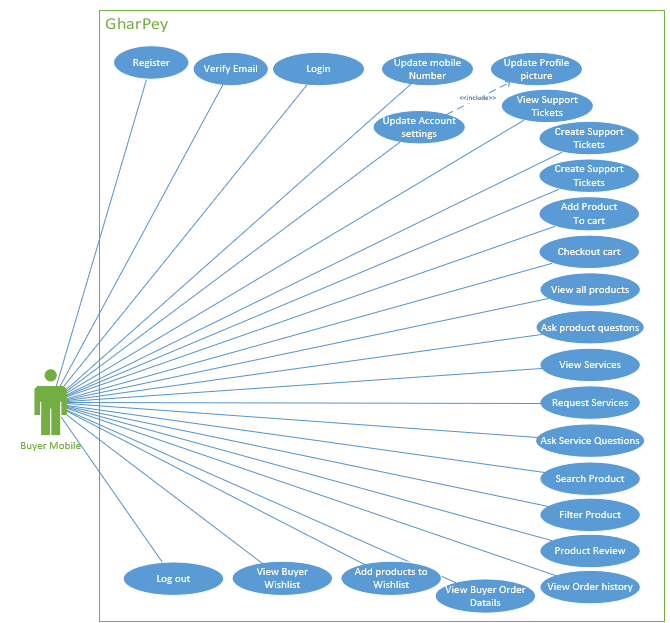
*CO-5: The application must use jQuery version 3.*

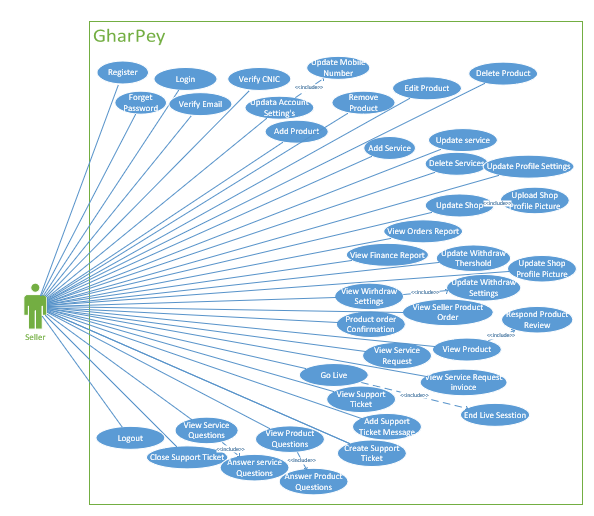
# Requirement identifying technique

## Use case diagram









## Use case description

### Register

|  |  |
| --- | --- |
| **Use Case ID:** | UC-1 |
| **Use Case Name:** | Register |
| **Actors:** | Seller (Primary Actor),  Buyer (Primary Actor) |
| **Description:** | The user can register account with the website. The user needs to enter the information that will be validated, and the user will be prepared to register. |
| **Trigger:** | User clicks on register button. |
| **Preconditions:** | PRE-1. User is not already registered.  PRE-2. User have a valid email address. |
| **Postconditions:** | POST-1. Seller is created in system.  POST-2. Shop is created in system.  POST-2. An email is sent to seller’s email with email verification link. |
| **Normal Flow:** | 1. User clicks on register button. 2. System displays register page. 3. User enters a unique phone number. 4. User clicks on “Verify Phone” button. 5. System validates phone number. 6. System validates phone number is not already registered in system. 7. System sends verification code to phone. 8. User enters phone verification code. 9. User click “verify code” button. 10. System verifies verification code. 11. System enables and shows other input fields for register. 12. User enters a unique shop name of at least 3 characters and 16 at most. 13. User enters a unique email address. 14. User enters a password of at least 6 characters and 32 at most. 15. User re-enters password to confirm. 16. User clicks on “Register” button. 17. System validates number of characters of shop name 18. System validates shop name is not already registered. 19. System validates email format. 20. System validates email is not already registered. 21. System validates number of characters of password. 22. System stores user information in system. 23. System sends email confirmation to seller. 24. System displays message “Account registered successfully. A confirmation email has been sent to your email”. |
| **Alternative Flows:** | 12a. At step 12, if user is registering as buyer, the step 12, 17 and 18 will be skipped.  16a. At step 16 of normal flow and before, if seller cancels the register process, then system terminates the use case. |
| **Exceptions:** | 5a. In step 5 of normal flow, seller enters invalid phone number.   1. System displays error message “Enter a valid phone number”. 2. Seller enters phone number again. 3. Seller returns to step 4 of normal flow.   6a. In step 6 of normal flow, seller enters phone number already registered in system.   1. System displays error message “Phone number already registered in system”. 2. Seller enters phone number again. 3. Seller returns to step 4 of normal flow.   10a. In step 10 of normal flow, seller enters incorrect verification code.   1. System displays error message “Invalid verification code”. 2. Seller enters verification code again. 3. Seller returns to step 9 of normal flow.   17a. In step 17 of normal flow, seller enters invalid number of characters for shop name.   1. System displays error message “Name must have 3 to 16 number of characters”. 2. Seller enters shop name again. 3. User returns to step 16 of normal flow.   18a. In step 18 of normal flow, seller enters shop name which already exist in system.   1. System displays error message “Shop name is already taken”. 2. Seller enters shop name again. 3. User returns to step 16 of normal flow.   19a. In step 19 of normal flow, seller enters invalid email.   1. System displays error message “Enter a valid email address”. 2. Seller enters email again. 3. Seller returns to step 16 of normal flow.   20a. In step 20 of normal flow, email entered is already registered in system.   1. System displays error message “An account with this email already exist”. 2. Seller enters email again. 3. Seller returns to step 16 of normal flow.   21a. In step 21 of normal flow, user enters invalid number of characters for password.   1. System displays error message “Enter a valid password of length 6-32”. 2. Seller enters email again. 3. Seller returns to step 16 of normal flow. |
| **Business Rules** | BR-1: Every shop shall have a unique name.  BR-2: If seller have pro membership then he/she shall be able to offer services.  BR-3: System allow free seller to have access to pro membership for 15 days. |
| **Assumptions:** | 1. Seller has an internet connection. 2. Seller’s age is 18 or above and have at least one mobile number. |

### Login

|  |  |
| --- | --- |
| **Use Case ID:** | UC-2 |
| **Use Case Name:** | Login |
| **Actors:** | Admin (Primary Actor),  Seller (Primary Actor),  Moderator (Primary Actor),  Buyer (Primary Actor) |
| **Description:** | The user can login to the website as through his/her relevant account. The user needs to enter the information that will be validated, and the user will be prepared to log in. |
| **Trigger:** | User clicks on the “login” button. |
| **Preconditions:** | PRE-1. User has a registered account on the system. |
| **Postcondition:** | POST-1. The user is logged-in successfully.  POST-2. The system displays the respective admin, moderator and seller portal page and the Buyer home page. |
| **Normal Flow:** | 1. The user clicks on the “login” button. 2. System displays login page to the user. 3. User enters an email and password. 4. User clicks the login button. 5. System validates the email password. 6. User is logged into the system. 7. The system displays the respective admin, moderator and seller portal page and the Buyer home page. |
| **Alternative Flows:** | 2a. In step 2 of the normal flow, user clicks “Forget Password”.   1. User click on the “Forget Password” button. 2. The system displays the forget password page to the user. 3. User enters the email and submit. 4. System sends email containing change password URL to user. 5. System displays the message “An email has been sent to your email account”. |
| **Exceptions:** | 1a. At any step of normal flow, if user cancels the login process, then system terminates the use case.  3a. In step 3 of the normal flow, user enters incorrect username or password   1. System displays a message "Incorrect username or password" 2. User enters the username and password again 3. Use case returns to step 4 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Verify Email

|  |  |
| --- | --- |
| **Use Case ID:** | UC-3 |
| **Use Case Name:** | Verify Email |
| **Actors:** | Seller (Primary Actor),  Buyer (Primary Actor) |
| **Description:** | In this use case, user verifies his/her email which is being used for registration on the system. |
| **Trigger:** | User clicks on “Register” button on homepage. |
| **Preconditions:** | PRE-1. User must have a registered account.  PRE-2. Email is not already registered with system. |
| **Postcondition:** | POST-1. User registered an email verified. |
| **Normal Flow:** | 1. System sends email verification link to user’s Email. 2. User login to his/her email in order to verify the email on that system. 3. User opens the verification email. 4. User clicks on “Verify Email” button within that email. 5. System validates email verification token. 6. System validates token is not expired. 7. System mark user’s email verified. 8. User redirected to the relevant Login page. |
| **Alternative Flows:** |  |
| **Exceptions:** | 5a. In step 5 of normal flow, if token is not valid then system shows error message “Verification token is invalid!”  6a. In step 6 of normal flow, if token is expired then system shows error message “Verification token is expired!” and redirects to email verification page where user can request new verification email. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Update Account Settings

|  |  |
| --- | --- |
| **Use Case ID:** | UC-5 |
| **Use Case Name:** | Update Account Setting |
| **Actors:** | Admin (Primary Actor),  Moderator (Primary Actor)  Buyer (Primary Actor),  Seller (Primary Actor) |
| **Description:** | In this use case, a registered user can update his/her account setting in the system which includes name and password. User will first have to verify his old password and if it matches then he will set a new password for his account. |
| **Trigger:** | User clicks on “Account Settings” button in Navbar. |
| **Preconditions:** | PRE-1. User is logged into his/her account.  PRE-2. User has a registered account. |
| **Postconditions:** | POST-1. User account is updated. |
| **Normal Flow:** | 1. User clicks on “Setting” button in Navbar. 2. System displays the “Account setting” page. 3. User enters name, which is of at least 3 characters and 32 at most 4. User enters old password. 5. User enters new password twice. 6. User submits the form. 7. System validates the old password. 8. System matches the new passwords that has entered twice. 9. System updates name and password of user. 10. System displays success message “Profile has been updated successfully”. |
| **Alternative Flows:** |  |
| **Exceptions:** | 6a. Before step 6, If user cancels the “Update Account Setting” process, then system terminates the use case.  3a. In step 3 of normal flow, user enters invalid number of characters for name.   1. System displays error message “Name must have 3 to 32 number of characters”. 2. User enters name again. 3. User returns to step 4 of normal flow.   7a. In step 7 of the normal flow. system is unable to validate old password.   1. System display message “Incorrect Password”. 2. User re-enter old password once and new password twice. 3. Use case returns to step 6 of normal flow.   8a. In step 8 of normal flow, new password entered twice do not match.   1. System displays message “Password does not match”. 2. User re-enters new password twice. 3. Use case returns to step 6 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Upload Profile Picture

|  |  |
| --- | --- |
| **Use Case ID:** | UC-6 |
| **Use Case Name:** | Upload Profile Picture |
| **Actors:** | Admin (Primary Actor),  Moderator (Primary Actor)  Buyer (Primary Actor) |
| **Description:** | In this use case, a registered user can upload profile picture from the computer while registration or any time in future. |
| **Trigger:** | User clicks on “Upload Profile Picture” button on account setting page. |
| **Preconditions:** | PRE-1. User is logged into his/her account. |
| **Postconditions:** | POST-1. Profile picture updates successfully. |
| **Normal Flow:** | 1. User clicks on empty profile picture section on account setting page. 2. System pop-ups window that prompts user to choose an image from his/her computer. 3. User selects an image from his/her computer. 4. User clicks on “Open” button in the pop-up window. 5. User clicks on Upload button. 6. System uploads file from user machine. 7. System validates file uploaded is valid image. 8. System validates file size is less than 5 megabytes. 9. System saves file in system. |
| **Alternative Flows:** | 4a. At step 4 of normal flow, if user clicks on “Cancel” button in the pop-up window.   1. The pop-up window disappears. 2. System displays account setting page. |
| **Exceptions:** | 6a. At step 6 of normal flow, if user uploads get interrupted because of connection then system displays error message “File upload failed”.  7a. At step 7 of normal flow, if user uploads invalid file then system displays error message “Invalid Image File”.  8a. At step 8 of normal flow, if user uploads file size is more than 5mb then system displays error message “File size should not exceed 5mb”. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Update Mobile Number

|  |  |
| --- | --- |
| **Use Case ID:** | UC-7 |
| **Use Case Name:** | Update Mobile Number |
| **Actors:** | Admin (Primary Actor),  Moderator (Primary Actor),  Buyer (Primary Actor),  Seller (Primary Actor) |
| **Description:** | In this use case, a registered user can update his/her mobile number in the system. |
| **Trigger:** | User clicks on “Account Settings” button in Navbar. |
| **Preconditions:** | PRE-1. User is logged into his/her account.  PRE-2. User has a registered account. |
| **Postconditions:** | POST-1. Mobile number is updated. |
| **Normal Flow:** | 1. User clicks on “Account Settings” button in Navbar. 2. System displays the “Account Settings” page. 3. Seller enters a unique phone number. 4. Sellers clicks on “Verify Phone” button. 5. System validates phone number. 6. System validates phone number is not already registered in system. 7. System sends verification code to phone. 8. Seller enters phone verification code. 9. Seller enters verify code button. 10. System verifies verification code. 11. System displays success message “Mobile Number has been updated successfully”. |
| **Alternative Flows:** | 9a. Before step 9, If user cancels the process, then system terminates the use case. |
| **Exceptions:** | 3a. In step 3 of normal flow, user enters invalid number of characters for name.   1. System displays error message “Name must have 3 to 32 number of characters”. 2. User enters name again. 3. User returns to step 4 of normal flow.   7a. In step 7 of the normal flow. system is unable to validate old password.   1. System display message “Incorrect Password”. 2. User re-enter old password once and new password twice. 3. Use case returns to step 6 of normal flow.   8a. In step 8 of normal flow, new password entered twice do not match.   1. System displays message “Password does not match”. 2. User re-enters new password twice. 3. Use case returns to step 6 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Withdraw History

|  |  |
| --- | --- |
| **Use Case ID:** | UC-8 |
| **Use Case Name:** | View Withdraw History |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, user can view their withdraw transactions. System displays all withdraw transaction in tabular form. |
| **Trigger:** | User click on “Withdraw History” in navbar of “Sellers Portal”. |
| **Preconditions:** | PRE-1: User is logged-in to the system.  PRE-2: User is registered seller in the system. |
| **Postcondition:** |  |
| **Normal Flow:** | 1. User navigates to “Withdraw History” page. 2. System fetches the withdraw transactions for logged in seller. 3. System displays a list of “Withdraw transactions” for the user along with time and amount. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Update Withdraw Settings

|  |  |
| --- | --- |
| **Use Case ID:** | UC-9 |
| **Use Case Name:** | Update Withdraw Setting |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, a registered seller can update his/her account withdraw setting in the system which includes threshold amount and payment information. |
| **Trigger:** | User clicks on “Withdraw Settings” button in Navbar. |
| **Preconditions:** | PRE-1. User is logged into his/her account.  PRE-2. User has a registered account. |
| **Postconditions:** | POST-1. User withdraw settings are updated. |
| **Normal Flower:** | 1. User clicks on “Withdraw Settings” button in Navbar. 2. System displays the “Withdraw Settings” page. 3. User enters threshold amount, which is at least 5000 rupees. 4. User selects payment method “Easy Paisa”. 5. User enters valid mobile number for easy paisa. 6. User submits the form. 7. System updates threshold amount and payment method of user. 8. System displays success message “Withdraw settings has been updated successfully”. |
| **Alternative Flows:** | 4a. In step 4 of normal flow, user selects Jazz Cash.   1. User returns to step 4 of normal flow. |
| **Exceptions:** | 3a. In step 3 of normal flow, user enters invalid threshold amount.   1. System displays error message “Enter threshold amount”. 2. User enters name again. 3. User returns to step 4 of normal flow.   5a. In step 5 of the normal flow, user enters invalid mobile number.   1. System display message “Invalid Mobile number”. 2. User enters mobile number again. 3. Use case returns to step 6 of normal flow.   6a. Before step 6, If user cancels the “Update Account Setting” process, then system terminates the use case. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Upload Shop Profile Picture

|  |  |
| --- | --- |
| **Use Case ID:** | UC-10 |
| **Use Case Name:** | Upload Shop Profile Picture |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, a registered user can upload shop profile picture from the computer while registration or any time in future. |
| **Trigger:** | User clicks on “Upload Shop Picture” button on shop setting page. |
| **Preconditions:** | PRE-1. User is logged into his/her account. |
| **Postconditions:** | POST-1. Shop profile picture updates successfully. |
| **Normal Flow:** | 1. User clicks on empty profile picture section of shop. 2. System pop-ups window that prompts user to choose an image from his/her computer. 3. User selects an image from his/her computer. 4. User clicks on “Open” button in the pop-up window. 5. User clicks on Upload button. 6. System uploads the picture in shop profile picture section. |
| **Alternative Flows:** | 4a. At step 4 of normal flow, if user clicks on “Cancel” button in the pop-up window.   1. The pop-up window disappears. 2. System displays account setting page. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Seller Products

|  |  |
| --- | --- |
| **Use Case ID:** | UC-11 |
| **Use Case Name:** | View Sellers Products |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case user will be able view the product. List of products will be displayed that user have in shop. |
| **Trigger:** | User clicks “View Products” in navigation pane. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: System display the product page with all products. |
| **Normal Flow:** | 1. User clicks on “Products” button in navbar. 2. System displays Drop down pane. 3. User clicks “View products”. 4. System displays all products that user have in users shop. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Add Seller Product

|  |  |
| --- | --- |
| **Use Case ID:** | UC-12 |
| **Use Case Name:** | Add Seller Product |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case user will be able add his product details. |
| **Trigger:** | User clicks “Add Products” on user home page in navbar |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Product Added successfully. |
| **Normal Flow:** | 1. User clicks “add product” button on his/her profile. 2. System displays the “Add product” page. 3. User enters the name of the product. 4. User select category of the product. 5. User enters product descriptions. 6. User enters products highlights. 7. User clicks select the upload image button. 8. User enters packages weights. 9. User enters the product price. 10. User enters the product quantity. 11. User enters the product’s special price. 12. User enters the start date of promotion. 13. User enters the end date of the promotion. 14. User clicks “Add product” button. |
| **Alternative Flows:** | At step 7 of the normal flow user wants to add multiple images   1. User clicks upload the image. 2. System displays file browser window. 3. User selects the image. 4. User clicks “OK” 5. System append images in the product list. 6. Use case continue from step |
| **Exceptions:** | At step 3 of the normal flow user does not add the product name.   1. System displays alert message “Please enter the name of product”. 2. Use case continue from step 4 of normal flow.   At step 4 of the normal flow user does not add the product category.   1. System displays alert message “Please enter the product category”. 2. Use case continue from step 5 of normal flow.   At step 7 of the normal flow user does not add the product image.   1. System displays alert message “Please enter product image”. 2. Use case continue from step 8 of normal flow.   At step 8 of the normal flow user does not add the product weight.   1. System displays alert message “Please enter product weight”. 2. Use case continue from step 9 of normal flow.   At step 9 of the normal flow user does not add the product price.   1. System displays alert message “Please enter product Price”. 2. Use case continue from step 10 of normal flow.   At step 10 of the normal flow user does not add the product quantity.   1. System displays alert message “Please enter product quantity”. 2. Use case continue from step 11 of normal flow. |
| **Business Rules** | BR-6: System shall cut 10% fee on every order. |
| **Assumptions:** | 1. User has an internet connection. |

### Edit Seller product

|  |  |
| --- | --- |
| **Use Case ID:** | UC-13 |
| **Use Case Name:** | Edit Seller Product |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case user will be able edit his product details. The user enters at the time of adding the product. They would require opening editable form by clicking edit product link. |
| **Trigger:** | User clicks “Edit Products” on the product page. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-2: User have added at least one product. |
| **Postconditions:** | POST-1: Product information is edited successfully. |
| **Normal Flow:** | 1. User Clicks on “Edit Product”. 2. System displays editable version of the product. 3. User edits product information. 4. User clicks save to save the information. |
| **Alternative Flows:** | 2a in step 2 of normal flow user clicks on the “Cancel” button.   1. System will not save edited information. 2. System will go back to the all products page. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Delete Seller Product

|  |  |
| --- | --- |
| **Use Case ID:** | UC-14 |
| **Use Case Name:** | Delete Seller Product |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case user will be able delete the product. List of products will be displayed that user have in shop. User selects the specific product and click on delete button. |
| **Trigger:** | User clicks “Delete” button in front of the product that he wants to delete. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-1: User have added at least one service. |
| **Postconditions:** | POST-1: Product information is deleted successfully. |
| **Normal Flow:** | 1. System displays the list of all the products to the user. 2. User selects the products he wants to delete. 3. User clicks delete button. 4. System displays confirmation dialog box. 5. User clicks “Confirm” button in dialog box. 6. System delete the products from the system. |
| **Alternative Flows:** | 4a. At step 4 of the normal flow user clicks “cancel” button.   1. User clicks cancel button. 2. Use case terminates. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Seller Product Orders

|  |  |
| --- | --- |
| **Use Case ID:** | UC-15 |
| **Use Case Name:** | View Seller Product Orders |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case seller will be able to view the products orders. Seller will be able to view the products and status of products that buyers have purchased. |
| **Trigger:** | User clicks “View order” button in navbar. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: System displays order page on screen. |
| **Normal Flow:** | 1. User clicks view orders. 2. System displays order page with all the recent and previous orders history. 3. User selects order user want to view details. 4. User clicks “view” to view the details of order. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Product Order Confirmation

|  |  |
| --- | --- |
| **Use Case ID:** | UC-16 |
| **Use Case Name:** | Product Order Confirmation |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case seller will be able to respond to products orders. Whenever buyer place the order. System display the notification to the seller that either seller want to confirm or cancel the product. |
| **Trigger:** | User clicks on “order” system displays order details |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-2: Buyer placed the order successfully. |
| **Postconditions:** | POST-1: System cancel the order successfully. |
| **Normal Flow:** | 1. User clicks on new order button. 2. System displays list of all the orders. 3. User clicks on order. 4. System displays that order details page. 5. User clicks “confirm” button. 6. System confirm the order. 7. System notify the buyer that product is ready to dispatch. |
| **Alternative Flows:** | 5a. At step 5 of normal flow. Seller clicks cancel instead of confirming.   1. Order placed by the buyer will be “cancel”. 2. Use case terminates |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Product Review Response

|  |  |
| --- | --- |
| **Use Case ID:** | UC-17 |
| **Use Case Name:** | Product Review Response |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case seller will be able to add response for the product review that buyer gave after successful order delivery. |
| **Trigger:** | User clicks “Reply” under the product review that buyer gave after delivery. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-2: Buyer have purchased at least one product from that seller.  PRE-3: Buyer gave the review for purchase. |
| **Postconditions:** | POST-1: System displays order page on screen. |
| **Normal Flow:** | 1. User open the product to see the reviews at the bottom of page. 2. Select clicks reply button under the review user added. 3. User type review in reply. 4. User clicks “Reply” button to submit reply. 5. System add reply under the buyer response. |
| **Alternative Flows:** | 1a. At step 1 of normal flow user clicks on product review button.   1. System displays all reviews of his products. 2. Use case continue from step 2 of normal flow.   3a. At step 3 of normal flow. If user clicks “cancel”.   1. System close the reply section. 2. Use case terminates. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Order Reports

|  |  |
| --- | --- |
| **Use Case ID:** | UC-18 |
| **Use Case Name:** | View Order Reports |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case seller will be able to view the orders reports. Seller will be able generate different order reports. Based on the data available of the orders. |
| **Trigger:** | User clicks “Orders reports” under reports in navbar. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-2: User is registered seller on system. |
| **Postconditions:** | POST-1: System displays order page on screen. |
| **Normal Flow:** | 1. User clicks on “Order” button in navbar. 2. System displays orders dropdown. 3. User clicks order reports from the drop down. 4. System displays orders reports to the user. 5. User can sort reports according to time. 6. System displays the reports according to the request user made. |
| **Alternative Flows:** | 4a. At step 4 of normal flow. User can sort the reports according to number orders   1. System displays report according to the number of orders over time. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | User has an internet connection. |

### Add Service

|  |  |
| --- | --- |
| **Use Case ID:** | UC-19 |
| **Use Case Name:** | Add Service |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case user will be able to add a service and add description of service. User will be able to add one of provided services by the system. User will define the area in which user offer the services. |
| **Trigger:** | User clicks on “add service” button in navbar. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Service is successfully added in the system. |
| **Normal Flow:** | 1. User clicks on “Add service” Button. 2. System displays add service page. 3. User enters service title. 4. User clicks drop down to select the categories. 5. User select the one of the services offered by the system from the category dropdown. 6. User enters service description. 7. User enters the area in which user wants to offer services. 8. User clicks on “add image” button to add relevant images to the service. 9. System displays file browser to select image. 10. User selects image and clicks “ok” 11. User add price range in which user offers the services. 12. User clicks add service. 13. System add service in system. |
| **Alternative Flows:** | 9a. At step 9 of the normal flow clicks “cancel”.   1. System display close the file browser. 2. System displays add service page. 3. Use case continue from step 7 of normal flow. |
| **Exceptions:** | 3a. At step 3 of the normal flow user does not add the service title.   1. System displays alert message “Please enter the service title”. 2. Use case continue from step 4 of normal flow.   5a. At step 5 of the normal flow user does not select the category.   1. System displays alert message “Please select the category”. 2. Use case continue from step 6 of normal flow.   6a. At step 6 of the normal flow user does not service description.   1. System displays alert message “Please select area where you offer services”. 2. Use case continue from step 8 of normal flow.   8a. At step 8 of the normal flow user does not add image.   1. System displays alert message “Please select at least one image”. 2. Use case continue from step 11 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Edit service

|  |  |
| --- | --- |
| **Use Case ID:** | UC-20 |
| **Use Case Name:** | Edit service |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case user will be able edit his service details. The user enters at the time of adding the service. They would require opening editable form by clicking edit service button. |
| **Trigger:** | User clicks “Edit Products” on the product page. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-2: User have at least one service added in the system. |
| **Postconditions:** | POST-1: Product information is edited successfully. |
| **Normal Flow:** | 1. User Clicks on “Edit service”. 2. System displays editable version of the services. 3. User edits service information. 4. User clicks save to save the new information. |
| **Alternative Flows:** | 2a. At step 2 of normal flow user clicks on the “Cancel” button.   1. System will not save edited information. 2. System will go back to the all services page. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Delete service

|  |  |
| --- | --- |
| **Use Case ID:** | UC-21 |
| **Use Case Name:** | Delete service |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case user will be able to delete the service. List of services will be displayed that user have in profile. User selects the specific service and click on delete button. |
| **Trigger:** | User clicks “Delete” button on services page in front of that specific service. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: System delete the service successfully. |
| **Normal Flow:** | 1. System displays the list of all the services to the user. 2. User selects the services user wants to delete. 3. User clicks delete button. 4. System displays confirmation dialog box. 5. User clicks “Confirm” button in dialog box. 6. System delete the service from the system. |
| **Alternative Flows:** | 4a. At step 4 of the normal flow user clicks “cancel” button.   1. User clicks cancel button. 2. Use case terminates. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Service Reports

|  |  |
| --- | --- |
| **Use Case ID:** | UC-22 |
| **Use Case Name:** | View Service Reports |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case seller will be able to view the service reports. Seller will be able generate different service reports provided by the system. Based on the data available of the services. |
| **Trigger:** | User clicks “Service” under reports in navbar. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-1: User have membership. |
| **Postconditions:** | POST-1: System displays order page on screen. |
| **Normal Flow:** | 1. User clicks on the “Service” button in navbar. 2. System displays orders dropdown. 3. User clicks Service reports from the drop down. 4. System displays service reports to the user. 5. User can filter reports according to time. 6. System displays the reports according to the request user made. |
| **Alternative Flows:** | 4a. At step 4 of normal flow. User can sort the reports according to number orders   1. System displays report according to the number of orders over time. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Service Requests

|  |  |
| --- | --- |
| **Use Case ID:** | UC-23 |
| **Use Case Name:** | View Service Requests |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, user can view service requests for services he/she is offering. System displays all their service requests in tabular form. |
| **Trigger:** | User click on “Service Requests” in navbar of “Sellers Portal”. |
| **Preconditions:** | PRE-1: User is logged-in to the system.  PRE-2: User is registered seller in the system. |
| **Postcondition:** |  |
| **Normal Flow:** | 1. User click on “Service Requests” in navbar. 2. System opens the “Service Requests” page. 3. System displays a list of “Service Requests” for the user along with status of “Accepted”, “Canceled” and “In Progress”. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Service Request Invoices

|  |  |
| --- | --- |
| **Use Case ID:** | UC-24 |
| **Use Case Name:** | View Service Request Invoices |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, user can view invoices for service requests. System displays all the invoices of service request in tabular form along with their status. |
| **Trigger:** | User navigates to “Service Requests” page and click on “Invoices” button of a record. |
| **Preconditions:** | PRE-1: User is logged-in to the system.  PRE-2: User is registered seller in the system. |
| **Postcondition:** |  |
| **Normal Flow:** | 1. User navigates to “Service Requests” page and click on “Invoices” button of a record. 2. System fetches invoices for selected service request. 3. System opens the “Invoices” page. 4. System displays a list of “Service Request Invoices” for the “Service Request” along with status of “Paid” and “Not Paid”. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Create Service Request Invoice

|  |  |
| --- | --- |
| **Use Case ID:** | UC-25 |
| **Use Case Name:** | Create Service Request Invoice |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, user can create invoices and quotation for service request they have received after analyzing buyer requirements from their answers of that service. |
| **Trigger:** | User click on “Create Invoice” button on “Service Request Invoice” page. |
| **Preconditions:** | PRE-1: User is logged-in to the system.  PRE-2: User is registered seller in the system.  PRE-3: User has at least one service request. |
| **Postcondition:** |  |
| **Normal Flow:** | 1. User click on “Create Invoice” button on “Service Request” page. 2. System opens the “Invoices” page for “Service Request”. 3. User enters description of invoice. 4. User clicks on “Add Invoice Row” button. 5. System adds a row containing title, price and quantity fields. 6. User enters title of invoice row. 7. User enters price of invoice row. 8. User enters quantity of invoice row. 9. User clicks on “Submit” button. 10. System validates all input fields. 11. System creates invoice record in system. 12. System send notification to buyer. |
| **Alternative Flows:** | 9a. Before step 9 of normal flow, if user cancels the process, then system terminates the use case.  9b. At step 9 of normal flow, if user clicks on “Add Invoice Row”, then system returns the user at step 5. |
| **Exceptions:** | 6a. In step 6 of normal flow, user enters invalid title.   1. System displays error message “Enter a valid title between 3-32 characters”. 2. Seller enters title again. 3. Seller returns to step 7 of normal flow.   7a. In step 7 of normal flow, user enters invalid title.   1. System displays error message “Enter a valid price”. 2. Seller enters price again. 3. Seller returns to step 8 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Update Shop

|  |  |
| --- | --- |
| **Use Case ID:** | UC-28 |
| **Use Case Name:** | Update Shop |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, a user can update her shop in the system which includes description and category. |
| **Trigger:** | User clicks on “Account Settings” button in Navbar. |
| **Preconditions:** | PRE-1. User is logged into his/her account.  PRE-2. User has a registered account. |
| **Postconditions:** | POST-1. User shop is updated. |
| **Normal Flow:** | 1. User navigates to shop setting. 2. User enters unique shop name. 3. User enters shop description. 4. User submits the form. 5. System updates description and category of shop. 6. System displays success message “Shop has been updated successfully”. |
| **Alternative Flows:** | 4a. In step 4, if user clicks on “Cancel” button.   1. System clears all input fields. 2. System redirects to “Shop Setting”. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Support Tickets

|  |  |
| --- | --- |
| **Use Case ID:** | UC-29 |
| **Use Case Name:** | View Support Tickets |
| **Actors:** | Seller (Primary Actor),  Buyer (Primary Actor) |
| **Description:** | In this use case, user can see the list of support tickets they created. |
| **Trigger:** | User navigated to “Contact” section and clicks on the “Support Tickets” button. |
| **Preconditions:** | PRE-1. User is logged into his/her account. |
| **Postcondition:** | POST-1. System displays a list of Support Tickets. |
| **Normal Flow:** | 1. User navigated to “Contact” section and clicks on the “Support Tickets” button. 2. System fetches support tickets for logged in user. 3. System displays a list of support tickets that user added along with their status. |
| **Alternative**  **Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Create Support Ticket

|  |  |
| --- | --- |
| **Use Case ID:** | UC-30 |
| **Use Case Name:** | Create Support Ticket |
| **Actors:** | Seller (Primary Actor),  Buyer (Primary Actor) |
| **Description:** | In this use case, a registered seller and buyer can create support ticket in system. User describes the problems they are facing in system and send it to system administration. |
| **Trigger:** | User clicks on “Add New” button on “View Support Tickets” page. |
| **Preconditions:** | PRE-1. User is logged into his/her account. |
| **Postconditions:** | POST-1. Support Ticket is created in system. |
| **Normal Flow:** | 1. User navigates to “Create Support Ticket” page. 2. User enters title of at least 3 characters and 32 at most. 3. User enters message of maximum 1000 characters. 4. User attaches maximum 5 files, not exceeding 5mb size each file. 5. User clicks on “Submit” button. 6. System redirects to “Support Ticket page”. 7. System displays success message “Support Ticket created successfully”. |
| **Alternative Flows:** | 5a. Before step 5, If user cancels the “Create Support Ticket” process, then system terminates the use case. |
| **Exceptions:** | 2a. In step 2 of normal flow, user enters invalid number of characters for title.   1. System displays error message “Name must have 3 to 32 number of characters”. 2. User enters title again. 3. User returns to step 3 of normal flow.   3a. In step 3 of normal flow, user enters more than 1000 characters for message.   1. System displays error message “Message cannot be longer than 1000 characters”. 2. User update message. 3. User returns to step 4 of normal flow.   4a. In step 4 of normal flow, user uploads invalid file.   1. System displays error message “File invalid!”. 2. User returns to step 4 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Add Support Ticket Message

|  |  |
| --- | --- |
| **Use Case ID:** | UC-31 |
| **Use Case Name:** | Add Support Ticket Message |
| **Actors:** | Seller (Primary Actor),  Buyer (Primary Actor) |
| **Description:** | In this use case, a registered user can add message in support ticket. Buyer can add query message in ticket and seller can add responses to resolve issue. |
| **Trigger:** | User navigates to Support Ticket page. |
| **Preconditions:** | PRE-1. User is logged into his/her account.  PRE-1. User has an active support ticket. |
| **Postconditions:** | POST-1. Message is added in support ticket. |
| **Normal Flow:** | 1. User navigates to support ticket page. 2. User enters message of maximum 1000 characters. 3. User attaches maximum 5 files, not exceeding 5mb size each file. 4. User clicks on “Submit” button. 5. System displays success message “Message added successfully”. |
| **Alternative Flows:** | 4a. At step 4, If user clicks on cancel button.   1. System clear message. 2. System clear files. |
| **Exceptions:** | 2a. In step 2 of normal flow, user enters more than 1000 characters for message.   1. System displays error message “Message cannot be longer than 1000 characters”. 2. User update message. 3. User returns to step 3 of normal flow.   3a. In step 3 of normal flow, user uploads invalid file.   1. System displays error message “File invalid!”. 2. User returns to step 3 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Close Support Ticket

|  |  |
| --- | --- |
| **Use Case ID:** | UC-32 |
| **Use Case Name:** | Close Support Ticket |
| **Actors:** | Seller (Primary Actor),  Buyer (Primary Actor) |
| **Description:** | In this use case, a registered user can close support ticket and marked it resolved. |
| **Trigger:** | User clicks on “Close Ticket” button on “Support Ticket” page. |
| **Preconditions:** | PRE-1. User is logged into his/her account.  PRE-2. User has at least one open ticket. |
| **Postcondition:** | POST-1. Support Ticket is marked as “closed”. |
| **Normal Flow:** | 1. User clicks on “Close Ticket” button on “Support Ticket” page. 2. System displays the “Confirm” popup with message “Are you sure?”. 3. User clicks on “Confirm” button. 4. System finds and mark the support ticket close. 5. System displays success message “Support Ticket closed”. |
| **Alternative Flows:** | 3a. In step 3, if user clicks on “Cancel” button, then system terminates the use case. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Add to Cart Product

|  |  |
| --- | --- |
| **Use Case ID:** | UC-33 |
| **Use Case Name:** | Add to Cart Product |
| **Actors:** | Buyer (Primary Actor) |
| **Description:** | In this use case, a user can add product in cart. |
| **Trigger:** | User navigates to product page. |
| **Preconditions:** | PRE-1. System has at least one active product. |
| **Postconditions:** | POST-1. Product is added in cart. |
| **Normal Flow:** | 1. User navigates to product page. 2. User clicks on “Add to cart” button. 3. System adds product to cart. 4. System displays success message “Product added to card successfully”. |
| **Alternative Flows:** | 1a. At step 1, user navigates to products page.   1. User selects a product 2. User returns to step 2 of normal flow. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Checkout Cart

|  |  |
| --- | --- |
| **Use Case ID:** | UC-34 |
| **Use Case Name:** | Checkout Cart |
| **Actors:** | Buyer (Primary Actor) |
| **Description:** | In this use case, a user checkout cart and complete order process. |
| **Trigger:** | User navigates to cart page. |
| **Preconditions:** | PRE-1. User has at least 1 product in cart. |
| **Postconditions:** | POST-1. Product Orders created in system. |
| **Normal Flow:** | 1. User navigates to cart page. 2. User clicks on “Checkout” button. 3. System displays payment page. 4. User enters billing address. 5. User enters shipping address. 6. User select payment method. 7. User selects debit card. 8. User enters “Name on Card”. 9. User enters card number. 10. User enters CVC code of card. 11. User enters expiry date of card. 12. User clicks on submit button. 13. System process payment. 14. System create order and send notification to seller. 15. System shows success message “Order completed successfully”. |
| **Alternative Flows:** | 7a. At step 7 of normal flow, User selects easy paisa.   1. User enters mobile number. 2. User clicks on submit button. 3. System generates token and show to user to do online payment from easy paisa. 4. User use that token to make payment from easy paisa app. 5. System notifies user that “Order completed successfully”.   7b. At step 7 of normal flow, User selects Cash On delivery.   1. User clicks on submit button. 2. System notifies user that “Order completed successfully”.   12a. Before step 12 of normal flow, if user cancels the process, system will redirect back to cart page. |
| **Exceptions:** | 4a. At step 4 of normal flow, user enters invalid billing address.   1. System displays error message “Enter valid billing address”. 2. User updates billing address. 3. User returns to step 5 of normal flow.   5a. At step 5 of normal flow, user enters invalid shipping address.   1. System displays error message “Enter valid shipping address”. 2. User updates shipping address. 3. User returns to step 6 of normal flow.   8a. At step 8 of normal flow, user enters invalid name on card.   1. System displays error message “Enter valid Name on card”. 2. User updates name on card. 3. User returns to step 9 of normal flow.   9a. At step 9 of normal flow, user enters invalid card number.   1. System displays error message “Enter valid card number”. 2. User updates card number. 3. User returns to step 10 of normal flow.   10a. At step 10 of normal flow, user enters invalid CVV.   1. System displays error message “Enter valid CVV”. 2. User updates CVV. 3. User returns to step 11 of normal flow.   11a. At step 11 of normal flow, user enters invalid card expiry date.   1. System displays error message “Enter valid card expiry date”. 2. User updates card expiry date. 3. User returns to step 12 of normal flow.   7c. At step 1 of 7a flow, user enters invalid mobile number.   1. System displays error message “Enter valid mobile number”. 2. User updates mobile number. 3. User returns to step 2 of 7a flow. |
| **Business Rules** | BR-4: Every order shall have shipping charges.  BR-5: If buyer place product order then seller shall receive product order notification. |
| **Assumptions:** | 1. User has an internet connection. 2. User has debit card or easy paisa account. |

### View All Products

|  |  |
| --- | --- |
| **Use Case ID:** | UC-35 |
| **Use Case Name:** | View All Products |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the buyer will be able view all the product. List of products will be displayed in system. By default, system will sort by top rated products. |
| **Trigger:** | User clicks “View all Products” in the navigation pane on the home page. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: System display the product page with all products. |
| **Normal Flow:** | 1. User clicks on all products on the home page. 2. System navigates and displays list of all products. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Ask Product Question

|  |  |
| --- | --- |
| **Use Case ID:** | UC-36 |
| **Use Case Name:** | Ask Product Question |
| **Actors:** | Buyer (Primary Actor) |
| **Description:** | In this use case, a registered user can ask question on a product. Seller will answer question to resolve buyer query. |
| **Trigger:** | Buyer navigates to Product page and clicks on “Ask Question” button. |
| **Preconditions:** | PRE-1. User is logged into his/her account. |
| **Postconditions:** | POST-1. Question is added for product. |
| **Normal Flow:** | 1. User navigates to Product page. 2. User enters question of maximum 500 characters. 3. User clicks on “Submit” button. 4. System displays success message “Question added successfully”. |
| **Alternative Flows:** |  |
| **Exceptions:** | 2a. In step 2 of normal flow, user enters more than 500 characters for question.   1. System displays error message “Question cannot be longer than 500 characters”. 2. User update question. 3. User returns to step 3 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Services

|  |  |
| --- | --- |
| **Use Case ID:** | UC-37 |
| **Use Case Name:** | View Services |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the buyer will be able to view the Services. User clicks one of the available categories. System displays list of that specific categories on screen. |
| **Trigger:** | User clicks “View Service” button in navbar. |
| **Preconditions:** |  |
| **Postconditions:** | POST-1: System displays the services page on screen. |
| **Normal Flow:** | 1. User clicks “view services” button. 2. System displays the services page with all the services in the available in that area. 3. User clicks services user want to view details. 4. System displays the detail of that service. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Request Service

|  |  |
| --- | --- |
| **Use Case ID:** | UC-38 |
| **Use Case Name:** | Request Service |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the user will be able to request the service form available providers/sellers. User clicks one of the sellers. System displays list of questions to gather their requirements and send their request to seller. |
| **Trigger:** | User clicks “Request” button on Service page for a provider. |
| **Preconditions:** | PRE-1. User is logged into system. |
| **Postconditions:** | POST-1: System create a service request. |
| **Normal Flow:** | 1. User clicks “Request” button on Service page for a provider. 2. System displays the questions for service. 3. User enters answers for questions. 4. User clicks submit button. 5. System displays success message “Request created successfully. You will be notified when seller send you invoice”. |
| **Alternative Flows:** |  |
| **Exceptions:** | 3a. At step 3 of normal flow, if user enters invalid input for answers.   1. System displays error message “Invalid input for answers”. 2. Users reenters inputs. 3. User returns to step 4 f normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Buyer Service Request

|  |  |
| --- | --- |
| **Use Case ID:** | UC-39 |
| **Use Case Name:** | View Buyer Service Request |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the user will be able to view the service request created by them. They will be able to see the inputs they entered for request and invoices for the service request that are requested by seller for service. |
| **Trigger:** | User clicks “Details” button on “Service Requests” page. |
| **Preconditions:** | PRE-1. User is logged into system. |
| **Postconditions:** | POST-1: System create a service request. |
| **Normal Flow:** | 1. User clicks “Details” button on Service Requests page. 2. System fetches Service Request details for user. 3. System displays the service request details along with invoices and their status. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Pay Service Request Invoice

|  |  |
| --- | --- |
| **Use Case ID:** | UC-40 |
| **Use Case Name:** | Pay Service Request Invoice |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the user will be able to pay the invoice for service request |
| **Trigger:** | User clicks “Pay Invoice” button of an invoice on “Service Request” page. |
| **Preconditions:** | PRE-1. User is logged into system.  PRE-2. User has requested a service and has unpaid invoices for service request. |
| **Postconditions:** | POST-1: System create a transaction and set invoice status to paid. |
| **Normal Flow:** | 1. User clicks “Pay Invoice” button of an invoice on “Service Request” page. 2. System fetches Service Request invoice details. 3. System displays payment page. 4. User enters billing address. 5. User enters shipping address. 6. User select payment method. 7. User selects debit card. 8. User enters “Name on Card”. 9. User enters card number. 10. User enters CVC code of card. 11. User enters expiry date of card. 12. User clicks on submit button. 13. System process payment. 14. System set invoice paid and send notification to seller. 15. System shows success message “Invoice payment successful”. |
| **Alternative Flows:** | 7a. At step 7 of normal flow, User selects easy paisa.   1. User enters mobile number. 2. User clicks on submit button. 3. System generates token and show to user to do online payment from easy paisa. 4. User use that token to make payment from easy paisa app. 5. System notifies user that “Invoice payment successful”.   12a. Before step 12 of normal flow, if user cancels the process, system will redirect back to “Service Request” page. |
| **Exceptions:** | 4a. At step 4 of normal flow, user enters invalid billing address.   1. System displays error message “Enter valid billing address”. 2. User updates billing address. 3. User returns to step 5 of normal flow.   5a. At step 5 of normal flow, user enters invalid shipping address.   1. System displays error message “Enter valid shipping address”. 2. User updates shipping address. 3. User returns to step 6 of normal flow.   8a. At step 8 of normal flow, user enters invalid name on card.   1. System displays error message “Enter valid Name on card”. 2. User updates name on card. 3. User returns to step 9 of normal flow.   9a. At step 9 of normal flow, user enters invalid card number.   1. System displays error message “Enter valid card number”. 2. User updates card number. 3. User returns to step 10 of normal flow.   10a. At step 10 of normal flow, user enters invalid CVV.   1. System displays error message “Enter valid CVV”. 2. User updates CVV. 3. User returns to step 11 of normal flow.   11a. At step 11 of normal flow, user enters invalid card expiry date.   1. System displays error message “Enter valid card expiry date”. 2. User updates card expiry date. 3. User returns to step 12 of normal flow.   7c. At step 1 of 7a flow, user enters invalid mobile number.   1. System displays error message “Enter valid mobile number”. 2. User updates mobile number. 3. User returns to step 2 of 7a flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Upgrade to Pro Membership

|  |  |
| --- | --- |
| **Use Case ID:** | UC-41 |
| **Use Case Name:** | Upgrade to Pro Membership |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case the user will be able upgrade to pro membership and pay the fees for membership from their credit card. |
| **Trigger:** | User clicks “Upgrade” button of Pro membership on memberships page. |
| **Preconditions:** | PRE-1. User is logged into system.  PRE-2. User is registered seller.  PRE-3. User is not already on pro membership. |
| **Postconditions:** | POST-1: System create a transaction and update membership of user. |
| **Normal Flow:** | 1. User clicks “Upgrade” button of Pro membership on memberships page. 2. System fetches Service Request invoice details. 3. System displays payment page. 4. User enters billing address. 5. User enters shipping address. 6. User select payment method. 7. User selects debit card. 8. User enters “Name on Card”. 9. User enters card number. 10. User enters CVC code of card. 11. User enters expiry date of card. 12. User clicks on submit button. 13. System process payment. 14. System set invoice paid and send notification to seller. 15. System shows success message “Invoice payment successful”. |
| **Alternative Flows:** | 7a. At step 7 of normal flow, User selects easy paisa.   1. User enters mobile number. 2. User clicks on submit button. 3. System generates token and show to user to do online payment from easy paisa. 4. User use that token to make payment from easy paisa app. 5. System notifies user that “Order completed successfully”.   12a. Before step 12 of normal flow, if user cancels the process, system will redirect back to “Memberships” page. |
| **Exceptions:** | 4a. At step 4 of normal flow, user enters invalid billing address.   1. System displays error message “Enter valid billing address”. 2. User updates billing address. 3. User returns to step 5 of normal flow.   5a. At step 5 of normal flow, user enters invalid shipping address.   1. System displays error message “Enter valid shipping address”. 2. User updates shipping address. 3. User returns to step 6 of normal flow.   8a. At step 8 of normal flow, user enters invalid name on card.   1. System displays error message “Enter valid Name on card”. 2. User updates name on card. 3. User returns to step 9 of normal flow.   9a. At step 9 of normal flow, user enters invalid card number.   1. System displays error message “Enter valid card number”. 2. User updates card number. 3. User returns to step 10 of normal flow.   10a. At step 10 of normal flow, user enters invalid CVV.   1. System displays error message “Enter valid CVV”. 2. User updates CVV. 3. User returns to step 11 of normal flow.   11a. At step 11 of normal flow, user enters invalid card expiry date.   1. System displays error message “Enter valid card expiry date”. 2. User updates card expiry date. 3. User returns to step 12 of normal flow.   7c. At step 1 of 7a flow, user enters invalid mobile number.   1. System displays error message “Enter valid mobile number”. 2. User updates mobile number. 3. User returns to step 2 of 7a flow. |
| **Business Rules** | BR-10: If the membership payment is not received within 7 calendars days after it is due then the system shall suspend seller’s membership. |
| **Assumptions:** | 1. User has an internet connection. 2. User has a credit/debit card. |

### Cancel Pro Membership

|  |  |
| --- | --- |
| **Use Case ID:** | UC-42 |
| **Use Case Name:** | Cancel Pro Membership |
| **Actors:** | Seller (Primary) |
| **Description:** | In this use case the user will be able cancel pro membership. |
| **Trigger:** | User clicks “Cancel Membership” button of Pro membership on memberships page. |
| **Preconditions:** | PRE-1. User is logged into system.  PRE-2. User is registered seller.  PRE-3. User is on pro membership. |
| **Postconditions:** | POST-1: System update membership of user to “free member”. |
| **Normal Flow:** | 1. User clicks “Cancel Membership” button of Pro membership on memberships page. 2. System ask to confirm action. 3. User confirms action. 4. System shows success message “Membership cancelled successfully”. |
| **Alternative Flows:** | 3a. Before step 3 of normal flow, if user cancels the process, system will redirect back to “Memberships” page. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Product Questions

|  |  |
| --- | --- |
| **Use Case ID:** | UC-43 |
| **Use Case Name:** | View Product Questions |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, a registered seller can see the asked questions on their products. |
| **Trigger:** | User clicks on “Product Question” link in navbar. |
| **Preconditions:** | PRE-1. User is logged into his/her account.  PRE-2. User is registered seller. |
| **Postconditions:** | POST-1 System displays the product questions. |
| **Normal Flow:** | 1. User navigates to Product Questions page. 2. System fetches all product questions for user’s products. 3. System displays all product questions. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Answer Product Question

|  |  |
| --- | --- |
| **Use Case ID:** | UC-44 |
| **Use Case Name:** | Answer Product Question |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, a registered seller can answer the asked questions on their products. |
| **Trigger:** | User navigates to Product Questions and clicks on “Answer” button of a “Question” record. |
| **Preconditions:** | PRE-1. User is logged into his/her account. |
| **Postconditions:** | POST-1. Answer is added for product question. |
| **Normal Flow:** | 1. User navigates to Product Question page. 2. User enters answer of maximum 500 characters. 3. User clicks on “Submit” button. 4. System displays success message “Answer added successfully”. |
| **Alternative Flows:** |  |
| **Exceptions:** | 2a. In step 2 of normal flow, user enters more than 500 characters for answer.   1. System displays error message “Answer cannot be longer than 500 characters”. 2. User update answer. 3. User returns to step 3 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Ask Service Question

|  |  |
| --- | --- |
| **Use Case ID:** | UC-45 |
| **Use Case Name:** | Ask Service Question |
| **Actors:** | Buyer (Primary Actor) |
| **Description:** | In this use case, a registered user can ask question on a service. Buyer will answer question to resolve user query. |
| **Trigger:** | User navigates to Service page and clicks on “Ask Question” button. |
| **Preconditions:** | PRE-1. User is logged into his/her account. |
| **Postconditions:** | POST-1. Question is added for product. |
| **Normal Flow:** | 1. User navigates to Service page. 2. User enters question of maximum 500 characters. 3. User clicks on “Submit” button. 4. System displays success message “Question added successfully”. |
| **Alternative Flows:** |  |
| **Exceptions:** | 2a. In step 2 of normal flow, user enters more than 500 characters for question.   1. System displays error message “Question cannot be longer than 500 characters”. 2. User update question. 3. User returns to step 3 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Service Questions

|  |  |
| --- | --- |
| **Use Case ID:** | UC-1 |
| **Use Case Name:** | View Service Questions |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, a registered seller can see the asked questions on their services. |
| **Trigger:** | User clicks on “Product Question” link in navbar. |
| **Preconditions:** | PRE-1. User is logged into his/her account.  PRE-2. User is registered seller. |
| **Postconditions:** |  |
| **Normal Flow:** | 1. User navigates to Service Questions page. 2. System fetches all service questions for user’s services. 3. System displays all service questions. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Answer Service Question

|  |  |
| --- | --- |
| **Use Case ID:** | UC-47 |
| **Use Case Name:** | Answer Service Question |
| **Actors:** | Seller (Primary Actor) |
| **Description:** | In this use case, a registered seller can answer the asked questions on their services. |
| **Trigger:** | User navigates to Service Questions and clicks on “Answer” button of a “Question” record. |
| **Preconditions:** | PRE-1. User is logged into his/her account. |
| **Postconditions:** | POST-1. Answer is added for service question. |
| **Normal Flow:** | 1. User navigates to Service Question page. 2. User enters answer of maximum 500 characters. 3. User clicks on “Submit” button. 4. System displays success message “Answer added successfully”. |
| **Alternative Flows:** |  |
| **Exceptions:** | 2a. In step 2 of normal flow, user enters more than 500 characters for answer.   1. System displays error message “Answer cannot be longer than 500 characters”. 2. User update answer. 3. User returns to step 3 of normal flow. |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Search Products

|  |  |
| --- | --- |
| **Use Case ID:** | UC-48 |
| **Use Case Name:** | Search Products |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the buyer will be able search all the product in the system. List of relevant results will be displays under search. System will search relevant matches of the product name and shop name and display results. |
| **Trigger:** | User clicks on the search button. And type something in the search bar. |
| **Preconditions:** |  |
| **Postconditions:** | POST-1: System display the product page with relevant search button. |
| **Normal Flow:** | 1. User clicks on all products on the home page. 2. System navigates and displays the list of all products. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Filter Products

|  |  |
| --- | --- |
| **Use Case ID:** | UC-49 |
| **Use Case Name:** | Filter Products |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the buyer will be able filter all the product in the system. List of relevant results will be displays on page. User will be able to search based on categories, rating, prices and number of sales of products. |
| **Trigger:** | User select filter in navbar of home page. |
| **Preconditions:** |  |
| **Postconditions:** | POST-1: System display the product page with relevant filtered products. |
| **Normal Flow:** | 1. User clicks category button on the home page. 2. System display dropdown with categories. 3. User select desired category. 4. System displays data according to that category. |
| **Alternative Flows:** | 1a. At step 1 of normal flow user clicks rating   1. User clicks Ratings one of 5 stars on the home page side bar. 2. System displays product according to rating selected by the user.   1b. At step 1 of normal flow user checks price range   1. User select desire price range. 2. System displays product according to selected price range.   1c. At step 1 of normal flow user clicks sales   1. User clicks on sales combo box. 2. System display a dropdown with options of sales from high to low or low to high. 3. System displays products according to sales option selected by the user. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Review Product

|  |  |
| --- | --- |
| **Use Case ID:** | UC-50 |
| **Use Case Name:** | Review Product. |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case buyer will be able to add product review after successful order delivery. User can give 1 to 5 starts based on user’s experience. |
| **Trigger:** | User click review button under product on “Order History” page. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-2: Buyer have parched at least one product from that seller. |
| **Postconditions:** | POST-1: System displays order page on screen. |
| **Normal Flow:** | 1. User click “Review” button under product on “Order History” page. 2. User select star from 1 to 5. 3. User type review message. 4. User clicks “Submit” button. 5. System add buyer response under that product. |
| **Alternative Flows:** | 4a. At step 4 of normal flow. If user clicks “cancel”.   1. System close the reply section. 2. Use case terminates. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Order History

|  |  |
| --- | --- |
| **Use Case ID:** | UC-51 |
| **Use Case Name:** | View Order History |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the buyer will be able to view the order history also check the currently progress orders. |
| **Trigger:** | User clicks “order history” button in navbar. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: System successfully add product to users account Wishlist. |
| **Normal Flow:** | 1. User clicks on the order history button in navbar. 2. System displays the list of all the orders that user have ever placed and list of currently progress orders. 3. User clicks any orders he wants to view details. 4. System displays complete details of order. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Buyer Order Details

|  |  |
| --- | --- |
| **Use Case ID:** | UC-52 |
| **Use Case Name:** | View Buyer Order Details |
| **Actors:** | Moderator (Primary) |
| **Description:** | In this use case the moderator will be able to view the buyer's orders details. |
| **Trigger:** | Moderator select Buyer Account on “View All Buyers” page. |
| **Preconditions:** | PRE-1: Moderator is logged in to the system. |
| **Postconditions:** | POST-1: System displays the order details. |
| **Normal Flow:** | 1. Moderator select Buyer Account on “View All Buyers” page. 2. System displays the account of the seller along with their orders. 3. Moderator selects an order. 4. Moderator clicks “order details” button. 5. System displays the order details. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Add Product to Wish List

|  |  |
| --- | --- |
| **Use Case ID:** | UC-53 |
| **Use Case Name:** | Add Product to Wish List |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the buyer will be able to add product to the wish list. To view the product latter on or to save the product. |
| **Trigger:** | User clicks “add to wish list” button in navbar. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: System add product to buyer Wishlist. |
| **Normal Flow:** | 1. User clicks on the product he wants to add to Wishlist. 2. System displays the details of the products. 3. User clicks “add to wish list” button. 4. System save that product in users wish list. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Buyer’s wish list

|  |  |
| --- | --- |
| **Use Case ID:** | UC-54 |
| **Use Case Name:** | View buyer’s wish list |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the buyer will be able to view the wish list to view the product that user had already added to the wish list. |
| **Trigger:** | User clicks “My Wishlist” button on the product details page. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: System successfully display the buyers wish list. |
| **Normal Flow:** | 1. User clicks “My Wishlist” in navbar. 2. System displays buyers Wishlist. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Product

|  |  |
| --- | --- |
| **Use Case ID:** | UC-55 |
| **Use Case Name:** | View Products |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case the buyer will be able to view the products details. |
| **Trigger:** | User clicks “Products” button in navbar. |
| **Preconditions:** |  |
| **Postconditions:** | POST-1: System displays products page on screen. |
| **Normal Flow:** | 1. User clicks view products. 2. System displays the products page with all the products in the system. 3. User clicks products user want to view details. 4. System displays the detail of that product. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Sellers Product Details

|  |  |
| --- | --- |
| **Use Case ID:** | UC-56 |
| **Use Case Name:** | View Seller's Product Details |
| **Actors:** | Moderator (Primary) |
| **Description:** | In this use case the moderator will be able to view the seller's products details. |
| **Trigger:** | Moderator select a seller account on “Sellers” page. |
| **Preconditions:** | PRE-1: Moderator is logged in to the system. |
| **Postconditions:** | POST-1: System displays the product page on screen. |
| **Normal Flow:** | 1. Moderator select Seller Account on “Sellers” page. 2. System displays the account of the seller along with their products. 3. Moderator selects a product. 4. Moderator clicks “product details” button. 5. System displays the product details. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Sellers Product Order Details

|  |  |
| --- | --- |
| **Use Case ID:** | UC-57 |
| **Use Case Name:** | View Seller's Product Order details |
| **Actors:** | Moderator (Primary) |
| **Description:** | In this use case the moderator will be able to view the seller's orders details. |
| **Trigger:** | Moderator select a seller account on “Sellers” page. |
| **Preconditions:** | PRE-1: Moderator is logged in to the system. |
| **Postconditions:** | POST-1: System displays the view page on screen. |
| **Normal Flow:** | 1. Moderator select Seller Account on “Sellers” page. 2. System displays the account of the seller along with their product orders. 3. Moderator selects a product order. 4. Moderator clicks “product order details” button. 5. System displays the product order details. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Sellers Service Details

|  |  |
| --- | --- |
| **Use Case ID:** | UC-58 |
| **Use Case Name:** | View Seller's Services details |
| **Actors:** | Moderator (Primary) |
| **Description:** | In this use case the moderator will be able to view the seller's services details. |
| **Trigger:** | Moderator select a seller account on “Sellers” page. |
| **Preconditions:** | PRE-1: Moderator is logged into the system. |
| **Postconditions:** | POST-1: System displays the services page on screen. |
| **Normal Flow:** | 1. Moderator select Seller Account on “Sellers” page. 2. System displays the account of the seller along with their product orders. 3. Moderator selects a service. 4. Moderator clicks “Service details” button. 5. System displays the service details. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Review Seller Service

|  |  |
| --- | --- |
| **Use Case ID:** | UC-59 |
| **Use Case Name:** | Review Seller Service |
| **Actors:** | Moderator (Primary) |
| **Description:** | In this use case the moderator will be able to approve or disapprove the service request that seller tries to create. |
| **Trigger:** | Moderator clicks “Seller Services” button. |
| **Preconditions:** | PRE-1: Moderator is logged into the system.  PRE-2: Seller send a service creation request. |
| **Postconditions:** | POST-1: System set status of service “Approved”. |
| **Normal Flow:** | 1. Moderator clicks “Seller Services” button. 2. System display list of all the services. 3. Moderator select a service. 4. Moderator clicks “Approve” button to approve service request. 5. System approve the request and add service to the system. 6. System generates and send notification to the seller. |
| **Alternative Flows:** | 3a. At step 4 of normal flow. Moderator clicks Disapprove.   1. System don’t add service to the system. 2. Use case continue from step 6 of normal flow. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Review Seller Product

|  |  |
| --- | --- |
| **Use Case ID:** | UC-60 |
| **Use Case Name:** | Review Seller Product |
| **Actors:** | Moderator (Primary) |
| **Description:** | In this use case the moderator will be able to approve or disapprove the products request that seller tries to add. |
| **Trigger:** | Moderator clicks “Seller Products” button. |
| **Preconditions:** | PRE-1: Moderator is logged into the system.  PRE-2: Seller send a product creation request. |
| **Postconditions:** | POST-1: System set status of product “Approved”. |
| **Normal Flow:** | 1. Moderator clicks “Seller Products” button. 2. System display list of all the products. 3. Moderator clicks the individual product request. 4. Moderator clicks the “Approve” button to approve service request. 5. System approve the request and add service to the system. 6. System generates and send notification to the seller. |
| **Alternative Flows:** | 3a. At step 4 of normal flow. Moderator clicks disapprove.   1. System don't add product to the system. 2. Use case continue from step 6 of normal flow. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Create Product Category

|  |  |
| --- | --- |
| **Use Case ID:** | UC-61 |
| **Use Case Name:** | Create Product category |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case user will be able create the product category. Seller will be able to add the products according to that categories. |
| **Trigger:** | Admin clicks “Add New” button on categories page. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Product category created in system. |
| **Normal Flow:** | 1. Admin clicks the “Add New” button on categories page 2. System displays a dialog box with name field. 3. Admin enters the category name. 4. Admin clicks the “Submit” button 5. System save category into the system. |
| **Alternative Flows:** | 4a. At step 4 of the normal flow user clicks “cancel” button.   1. Use case terminates. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Product Categories

|  |  |
| --- | --- |
| **Use Case ID:** | UC-62 |
| **Use Case Name:** | View Product Categories |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case admin will be able to view the product category. That will be available for sellers to categories their products. |
| **Trigger:** | Admin clicks view products categories |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Product Categories displayed. |
| **Normal Flow:** | 1. Admin Clicks “View” Button on categories page. 2. System display list of all the categories available for the sellers. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Edit Product Category

|  |  |
| --- | --- |
| **Use Case ID:** | UC-63 |
| **Use Case Name:** | Edit Product Category |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case, Admin will be able edit his product categories. |
| **Trigger:** | User clicks “Edit categories” on the categories page. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Product information is updated. |
| **Normal Flow:** | 1. User selects a product category, 2. User Clicks on “Edit Product”. 3. System displays dialog box with category name field. 4. User edits categories information. 5. User clicks save to save the information. |
| **Alternative Flows:** | 3a. At step 3 of normal flow user clicks on the “Cancel” button.   1. System will not save edited information. 2. System will go back to the all products page. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Delete Product Category

|  |  |
| --- | --- |
| **Use Case ID:** | UC-64 |
| **Use Case Name:** | Delete Product category |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case the user will be able delete the product category. List of products will be displayed that the user has in shop. User selects the specific product category and click on the delete button. |
| **Trigger:** | User clicks “Delete” button in front of the product category that he/she wants to delete. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-1: User have added at least one product category. |
| **Postconditions:** | POST-1: Service information is deleted successfully. |
| **Normal Flow:** | 1. System displays the list of all the products categories to the user. 2. User selects the products he wants to delete. 3. User clicks delete the button. 4. System displays confirmation dialog box. 5. User clicks “Confirm” button in the dialog box. 6. System delete the products category from the system. |
| **Alternative Flows:** | 4a. At step 4 of the normal flow user clicks “cancel” button.   1. User clicks cancel the button. 2. Use case terminates. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Create Service Category

|  |  |
| --- | --- |
| **Use Case ID:** | UC-65 |
| **Use Case Name:** | Create Service category |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case admin will be able create the service category. Seller will be able to add the service according to that categories. |
| **Trigger:** | Admin clicks “Add service” button on the categories page. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Service category added successfully. |
| **Normal Flow:** | 1. Admin clicks the “add Service” button on categories page. 2. System displays a dialog box with categories types and sub types. 3. Admin enters new the categories. 4. Admin clicks the “add” button 5. System save category into the system. |
| **Alternative Flows:** | 4a. At step 4 of the normal flow user clicks “cancel” button.   1. Use case terminates. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Service Categories

|  |  |
| --- | --- |
| **Use Case ID:** | UC-66 |
| **Use Case Name:** | View Service Categories |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case admin will be able to view the Service category. That will be available for sellers to categories their Service. |
| **Trigger:** | Admin clicks view Services button on categories page. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Categories displays successfully. |
| **Normal Flow:** | 1. Admin Clicks “View” Button on categories page. 2. System display list of all the categories available for the sellers. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Edit Service Category

|  |  |
| --- | --- |
| **Use Case ID:** | UC-67 |
| **Use Case Name:** | Edit Service category |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case Admin will be able edit his Service categories. |
| **Trigger:** | User clicks “Edit categories” on the categories page. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Service information is edited successfully. |
| **Normal Flow:** | 1. User Clicks on “Edit Service”. 2. System displays editable version of the categories. 3. User edits categories information. 4. User clicks save to save the information. |
| **Alternative Flows:** | 2a in step 2 of normal flow user clicks on the “Cancel” button.   1. System will not save edited information. 2. System will go back to the all Services page. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Delete Service Category

|  |  |
| --- | --- |
| **Use Case ID:** | UC-68 |
| **Use Case Name:** | Delete Service category |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case the user will be able delete the Service category. List of Services will be displayed that the user has in shop. User selects the specific Service category and click on the delete button. |
| **Trigger:** | User clicks “Delete” button in front of the Service category that he/she wants to delete. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-1: User have added at least one Service category. |
| **Postconditions:** | POST-1: Service information is deleted successfully. |
| **Normal Flow:** | 1. System displays the list of all the Services categories to the user. 2. User selects the Services he wants to delete. 3. User clicks delete the button. 4. System displays confirmation dialog box. 5. User clicks “Confirm” button in the dialog box. 6. System delete the Services category from the system. |
| **Alternative Flows:** | 4a. At step 4 of the normal flow user clicks “cancel” button.   1. User clicks cancel the button. 2. Use case terminates. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Create Product tag

|  |  |
| --- | --- |
| **Use Case ID:** | UC-69 |
| **Use Case Name:** | Create the Product tag |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case user will be able create the Product tag. Seller will be able to add these tags in their products. That will help the system to sort products according to tags. |
| **Trigger:** | Admin clicks the “add tag” button on categories page. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Product tag added successfully. |
| **Normal Flow:** | 1. Admin clicks the “add tag” button on categories page 2. System displays a dialog box with tag types. 3. Admin enters new the tag 4. Admin clicks the “add” button 5. System save tag into the system. |
| **Alternative Flows:** | 4a. At step 4 of the normal flow user clicks “cancel” button.   1. Use case terminates. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### View Product Tag

|  |  |
| --- | --- |
| **Use Case ID:** | UC-70 |
| **Use Case Name:** | View Product Tag |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case admin will be able to view the product tag. That will be available for sellers to tag their products. |
| **Trigger:** | Admin clicks view the products tag. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Tag displays successfully. |
| **Normal Flow:** | 1. Admin Clicks “View” Button on category page. 2. System display list of all the tag available for the sellers. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Edit Product Tag

|  |  |
| --- | --- |
| **Use Case ID:** | UC-71 |
| **Use Case Name:** | Edit Product tag |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case Admin will be able edit his product tag. |
| **Trigger:** | User clicks “Edit tag” on the categories page. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** | POST-1: Product information is edited successfully. |
| **Normal Flow:** | 1. User Clicks on “Edit Product Tags”. 2. System displays editable version of the tags. 3. User edits tags information. 4. User clicks save to save the information. |
| **Alternative Flows:** | 2a in step 2 of normal flow user clicks on the “Cancel” button.   1. System will not save edited information. 2. System will go back to the all products page. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Delete Product tag

|  |  |
| --- | --- |
| **Use Case ID:** | UC-72 |
| **Use Case Name:** | Delete Product tag |
| **Actors:** | Admin (Primary) |
| **Description:** | In this use case the user will be able delete the product tag. List of products will be displayed that the user has in shop. User selects the specific product tag and click on the delete button. |
| **Trigger:** | User clicks “Delete” button in front of the product tag that he/she wants to delete. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-1: User have added at least one product tag. |
| **Postconditions:** | POST-1: Service information is deleted successfully. |
| **Normal Flow:** | 1. System displays the list of all the products categories to the user. 2. User selects the products he wants to delete. 3. User clicks delete the button. 4. System displays confirmation dialog box. 5. User clicks “Confirm” button in the dialog box. 6. System delete the products tag from the system. |
| **Alternative Flows:** | 4a. At step 4 of the normal flow user clicks “cancel” button.   1. User clicks cancel the button. 2. Use case terminates. |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Ban Buyer

|  |  |
| --- | --- |
| **Use Case ID:** | UC-73 |
| **Use Case Name:** | Ban Buyer |
| **Actors:** | Moderator (Primary) |
| **Description:** | In this use case Moderator can ban any user that is posting prohibited and appropriate content or violating the system rules and policies. Moderator shall be obliged to add a proper reason for ban. |
| **Trigger:** | Moderator clicks “Ban” Button on buyer’s profile page. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-2: Buyer have profile in system. |
| **Postconditions:** | POST-1: User banned in system. |
| **Normal Flow:** | 1. Moderator select a buyer profile. 2. System displays buyer profile page. 3. Moderator clicks “ban” button in front of buyer’s profile. 4. System display a dialog box with input field to Add Rationale behind ban. 5. Moderator enters rationale. 6. Moderator clicks “Confirm” button. 7. System ban the buyer. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** | BR-12: If the user is banned from the system then he/she shall not be able to login to the system. |
| **Assumptions:** | 1. User has an internet connection. |

### Ban Seller

|  |  |
| --- | --- |
| **Use Case ID:** | UC-74 |
| **Use Case Name:** | Ban Seller |
| **Actors:** | Moderator (Primary) |
| **Description:** | In this use case Moderator can ban any user that is posting prohibited and appropriate content or violating the system rules and policies. Moderator shall be obliged to add a proper reason for ban. |
| **Trigger:** | Moderator clicks “Ban” Button on seller’s profile page. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-2: Seller have profile in system. |
| **Postconditions:** | POST-1: User banned in system. |
| **Normal Flow:** | 1. Moderator select a buyer profile. 2. System displays buyer profile page. 3. Moderator clicks “ban” button in front of seller’s profile. 4. System display a dialog box with input field to Add Rationale behind ban. 5. Moderator enters rationale. 6. Moderator clicks “Confirm” button. 7. System ban the buyer. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** | BR-12: If the user is banned from the system then he/she shall not be able to login to the system. |
| **Assumptions:** | 1. User has an internet connection. |

### Follow Shop

|  |  |
| --- | --- |
| **Use Case ID:** | UC-75 |
| **Use Case Name:** | Follow Shop |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case, buyer will be able to follow a shop so that they get notified on promotions and live videos from shop. |
| **Trigger:** | Buyer navigates to a shop page. |
| **Preconditions:** | PRE-1: User is logged into the system. |
| **Postconditions:** |  |
| **Normal Flow:** | 1. Buyer navigates to a shop page. 2. Buyer clicks on “Follow” button. 3. System display success dialog message. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

### Unfollow Shop

|  |  |
| --- | --- |
| **Use Case ID:** | UC-76 |
| **Use Case Name:** | Unfollow Shop |
| **Actors:** | Buyer (Primary) |
| **Description:** | In this use case, buyer will be able to unfollow a shop so that they stop getting notified on promotions and live videos from shop. |
| **Trigger:** | Buyer navigates to a shop page. |
| **Preconditions:** | PRE-1: User is logged into the system.  PRE-2: Buyer has followed the shop. |
| **Postconditions:** |  |
| **Normal Flow:** | 1. Buyer navigates to a shop page. 2. Buyer clicks on “Unfollow” button. 3. System display success dialog message. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Business Rules** |  |
| **Assumptions:** | 1. User has an internet connection. |

# Functional Requirements

## Register

### Display Registration page

|  |  |
| --- | --- |
| **Identifier** | FR-1 |
| **Title** | Display Registration Page |
| **Requirement** | The system shall be able to display registration page after user clicks “Register” button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To sign-in and access system functionalities. |
| **Business Rule** | 1. Seller must be a female. |
| **Dependencies** | FR-2, FR-5 |
| **Priority** | High |

### Enter Personal Information

|  |  |
| --- | --- |
| **Identifier** | FR-2 |
| **Title** | Enter Personal Information |
| **Requirement** | The user shall be able to enter his/her personal information i.e. name, password, phone number etc. after user clicks “Register” button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To record the personal details of every individual which serves as a source of identification. |
| **Business Rule** |  |
| **Dependencies** | FR-3, FR-6 |
| **Priority** | High |

### Validate Personal Information

|  |  |
| --- | --- |
| **Identifier** | FR-3 |
| **Title** | Validate Personal Information |
| **Requirement** | The system shall validate user’s personal information i.e. name, email, password, phone number etc. after user enters the credentials. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | In order to store valid and verified information of the individual |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Enter Shop Information

|  |  |
| --- | --- |
| **Identifier** | FR-4 |
| **Title** | Enter Shop Information |
| **Requirement** | The user shall be able to enter her shop information i.e. name, description, categories etc. after submitting her personal information. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To record the shop details of every individual against his/her personal information which serves as a source of identification. |
| **Business Rule** | 1. Only female can make a shop |
| **Dependencies** | FR-8 |
| **Priority** | High |

### Validate Shop Information

|  |  |
| --- | --- |
| **Identifier** | FR-5 |
| **Title** | Validate Shop Information |
| **Requirement** | The system shall validate user’s shop information i.e. name, description, categories etc. after user enters the information. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | In order to store valid and verified information of the shop |
| **Business Rule** |  |
| **Dependencies** | FR-7 |
| **Priority** | High |

### 5-Digit Code Verification

|  |  |
| --- | --- |
| **Identifier** | FR-6 |
| **Title** | 5-Digit Code Verification |
| **Requirement** | The system shall send 5-Digit code to user’s phone number in order to verify his/her phone number. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | In verify that the user who is registering is the actual owner of the phone number. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-7 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error messages if validation failed for specific Personal and Shop information. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Unique Shop Name

|  |  |
| --- | --- |
| **Identifier** | FR-8 |
| **Title** | Unique Shop Name |
| **Requirement** | The system shall let user to enter only unique name for her shop. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | As copy rights work, every should would have a unique name so that it can acts as a Brand. |
| **Business Rule** |  |
| **Dependencies** | FR-7 |
| **Priority** | High |

## Login



### Display Login page

|  |  |
| --- | --- |
| **Identifier** | FR-9 |
| **Title** | Display Login Page |
| **Requirement** | Registered user shall be able to view Login page after pressing the login button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To enter credentials in order to login. |
| **Business Rule** |  |
| **Dependencies** | FR-10, FR-12 |
| **Priority** | High |

### Sign In

|  |  |
| --- | --- |
| **Identifier** | FR-10 |
| **Title** | Display Login Page |
| **Requirement** | Registered user shall be able to view Login page after pressing the login button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To access his/her registered account and use system functionality. |
| **Business Rule** |  |
| **Dependencies** | FR-11 |
| **Priority** | High |

### Validate Login Credentials

|  |  |
| --- | --- |
| **Identifier** | FR-11 |
| **Title** | Validate Login Credentials |
| **Requirement** | System shall verify account username and password. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To verify user account information, form the database. |
| **Business Rule** |  |
| **Dependencies** | FR-14 |
| **Priority** | High |

### Forget Password

|  |  |
| --- | --- |
| **Identifier** | FR-12 |
| **Title** | Forget Password |
| **Requirement** | The user shall be able to set a new password through email after clicking Forget Password. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To login even if user forgets his/her password. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Email Change Password URL

|  |  |
| --- | --- |
| **Identifier** | FR-13 |
| **Title** | Email Change Password URL |
| **Requirement** | System shall send an email containing “change password URL” to user after user clicks “Send URL” |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To make sure user can set a new password. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-14 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error messages if validation failed for user’s login credentials. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Verify Email

### Email Verification

|  |  |
| --- | --- |
| **Identifier** | FR-15 |
| **Title** | Email Verification |
| **Requirement** | The system shall validate Email after user entered the email. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To identify and verify that email belongs to the user who are registering. |
| **Business Rule** |  |
| **Dependencies** | FR-16 |
| **Priority** | High |

### Validate Email Token

|  |  |
| --- | --- |
| **Identifier** | FR-16 |
| **Title** | Validate Email Token |
| **Requirement** | The system shall validate email verification token and token expiry after sending an email to the user. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To verify that email belongs to the user who are registering |
| **Business Rule** |  |
| **Dependencies** | FR-17 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-17 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error messages if validation failed for user’s email. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Verify CNIC



### Enter CNIC

|  |  |
| --- | --- |
| **Identifier** | FR-18 |
| **Title** | Enter CNIC |
| **Requirement** | The user shall be able to enter her CNIC in registration form after clicking register button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To identify and authenticate a female user. |
| **Business Rule** | CNIC must be of a female |
| **Dependencies** |  |
| **Priority** | High |

### Validate CNIC

|  |  |
| --- | --- |
| **Identifier** | FR-19 |
| **Title** | Validate CNIC |
| **Requirement** | System shall validate CNIC after seller enters. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To authenticate that user has a Pakistani nationality. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate CNIC Empty Field

|  |  |
| --- | --- |
| **Identifier** | FR-20 |
| **Title** | Validate CNIC Empty Field |
| **Requirement** | System shall validate if CNIC field is empty. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To verify that CNIC field must be entered. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Update Account Setting



### Display Setting page

|  |  |
| --- | --- |
| **Identifier** | FR-21 |
| **Title** | Display Setting Page |
| **Requirement** | Registered user shall be able to view Setting page after pressing the Setting button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To set the account. |
| **Business Rule** |  |
| **Dependencies** | FR-24 |
| **Priority** | High |

### Validate Phone Number

|  |  |
| --- | --- |
| **Identifier** | FR-22 |
| **Title** | Validate Phone Number |
| **Requirement** | The system shall validate email validate the phone number that user entered. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To verify that phone number belongs to the owner of account. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### 4-Digit Code Verification

|  |  |
| --- | --- |
| **Identifier** | FR-23 |
| **Title** | 4-Digit Code Verification |
| **Requirement** | The system shall send 4-Digit code to user’s phone number in order to verify his/her phone number. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To verify that the user who is registering is the actual owner of the phone number. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### User Account Verification

|  |  |
| --- | --- |
| **Identifier** | FR-24 |
| **Title** | User Account Verification |
| **Requirement** | The system shall validate username and old password after user enters them. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To verify that the validated inputs should be stored in database. |
| **Business Rule** |  |
| **Dependencies** | FR-25 |
| **Priority** | High |

### Incorrect Password

|  |  |
| --- | --- |
| **Identifier** | FR-25 |
| **Title** | Incorrect Password |
| **Requirement** | The system shall validate if user’s password matches the old password. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To verify that the user who is trying to update the account is the owner of that account. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Match Password

|  |  |
| --- | --- |
| **Identifier** | FR-26 |
| **Title** | Match Password |
| **Requirement** | The system shall validate if user’s new password and confirm password matches. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To make sure that user puts the right password. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Update Mobile Number



### Display Setting page

|  |  |
| --- | --- |
| **Identifier** | FR-27 |
| **Title** | Display Setting Page |
| **Requirement** | Registered user shall be able to view Setting page after pressing the Setting button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To set the account. |
| **Business Rule** |  |
| **Dependencies** | FR-28 |
| **Priority** | High |

### Enter Unique Phone Number

|  |  |
| --- | --- |
| **Identifier** | FR-28 |
| **Title** | Enter Unique Phone Number |
| **Requirement** | Registered user shall be able to enter unique phone number which has not been registered already after clicking “Edit Phone Number”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To update the unique phone number. |
| **Business Rule** |  |
| **Dependencies** | FR-29, FR-30 |
| **Priority** | High |

### Validate Phone Number

|  |  |
| --- | --- |
| **Identifier** | FR-29 |
| **Title** | Validate Phone Number |
| **Requirement** | The system shall validate the phone number that user entered. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To verify that phone number belongs to the owner of the account. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### 4-Digit Code Verification

|  |  |
| --- | --- |
| **Identifier** | FR-30 |
| **Title** | 4-Digit Code Verification |
| **Requirement** | The system shall send 4-Digit code to user’s phone number in order to verify his/her phone number. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To verify that the user who is registering is the actual owner of the phone number. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Upload Profile Picture



### Upload Profile Picture

|  |  |
| --- | --- |
| **Identifier** | FR-32 |
| **Title** | Upload Profile Picture |
| **Requirement** | The user shall be able to upload his/her profile picture. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To show graphical presence of the user on system. |
| **Business Rule** |  |
| **Dependencies** | FR-33, FR-34 |
| **Priority** | High |

### Validate File Size

|  |  |
| --- | --- |
| **Identifier** | FR-33 |
| **Title** | Validate File Size |
| **Requirement** | The system shall validate if user uploaded image exceeds 5MB size. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To stop from overload. |
| **Business Rule** |  |
| **Dependencies** | FR-35 |
| **Priority** | High |

### Click Cancel Button

|  |  |
| --- | --- |
| **Identifier** | FR-34 |
| **Title** | Click Cancel Button |
| **Requirement** | The user shall close the popup window after clicking Cancel button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To cancel uploading profile picture. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-35 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error messages if user uploads image of size greater than 5MB. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Withdraw History



### Display List of withdraw transactions

|  |  |
| --- | --- |
| **Identifier** | FR-36 |
| **Title** | Display List of withdraw transactions |
| **Requirement** | Seller shall display list of withdraw transactions history after seller clicks “View withdraw history”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To show list of withdraw transactions history to seller. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Update Withdraw Setting



### Display update withdraw setting page

|  |  |
| --- | --- |
| **Identifier** | FR-37 |
| **Title** | Display update withdraw setting page |
| **Requirement** | Seller shall display withdraw setting page after user clicks “Withdraw Setting”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To set the withdraw setting. |
| **Business Rule** |  |
| **Dependencies** | FR-38 |
| **Priority** | High |

### Enter Bank Account Information

|  |  |
| --- | --- |
| **Identifier** | FR-38 |
| **Title** | Enter Bank Account Information |
| **Requirement** | User shall be able to enter bank account information i.e. Name, account number etc. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To get money from the system to user bank account. |
| **Business Rule** |  |
| **Dependencies** | FR-39 |
| **Priority** | High |

### Update threshold amount

|  |  |
| --- | --- |
| **Identifier** | FR-39 |
| **Title** | Update threshold amount |
| **Requirement** | The seller shall be able to update her threshold amount from predefined values. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To set least amount she wants to withdraw. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Upload Shop Profile Picture



### Upload Shop Profile Picture

|  |  |
| --- | --- |
| **Identifier** | FR-41 |
| **Title** | Upload Shop Profile Picture |
| **Requirement** | The seller shall be able to upload her profile picture. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To show graphical presence of the seller shop on system. |
| **Business Rule** |  |
| **Dependencies** | FR-42, FR-43 |
| **Priority** | High |

### Validate File Size

|  |  |
| --- | --- |
| **Identifier** | FR-42 |
| **Title** | Validate File Size |
| **Requirement** | The system shall validate if seller uploaded image exceeds 5MB size. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To stop from overload. |
| **Business Rule** |  |
| **Dependencies** | FR-44 |
| **Priority** | High |

### Click Cancel Button

|  |  |
| --- | --- |
| **Identifier** | FR-43 |
| **Title** | Click Cancel Button |
| **Requirement** | The seller shall close the popup window after clicking Cancel button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To cancel uploading shop profile picture. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-44 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error messages if seller uploads image of size greater than 5MB. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Seller Products



### View Add Product Page

|  |  |
| --- | --- |
| **Identifier** | FR-45 |
| **Title** | View add product page |
| **Requirement** | The seller shall be able to add product to his/ her shop by clicking "add product" button |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view the add products page and add product to the shop. |
| **Business Rule** |  |
| **Dependencies** | FR-46, FR-47 |
| **Priority** | Medium |

### Enter product information

|  |  |
| --- | --- |
| **Identifier** | FR-46 |
| **Title** | Enter product information |
| **Requirement** | The seller shall be able to enter product information for product. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To detail information of the product. |
| **Business Rule** |  |
| **Dependencies** | FR-48 |
| **Priority** | Medium |

### Upload product image

|  |  |
| --- | --- |
| **Identifier** | FR-47 |
| **Title** | Upload product image |
| **Requirement** | Sellers shall be able to upload photos for the product. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To showcase product the seller shall upload product images. |
| **Business Rule** |  |
| **Dependencies** | FR-48 |
| **Priority** | Medium |

### Validate product Information

|  |  |
| --- | --- |
| **Identifier** | FR-48 |
| **Title** | Validate product Information |
| **Requirement** | System shall be able to validate the product information after user added all the information successfully. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | Product information should be verified and validate. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## Edit seller product



### Display Editable page

|  |  |
| --- | --- |
| **Identifier** | FR-49 |
| **Title** | Display Editable page |
| **Requirement** | System shall display editable page on screen when seller clicks “Edit product” Button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To edit the product information of already added products in sellers’ shop. |
| **Business Rule** |  |
| **Dependencies** | FR-50 |
| **Priority** | Medium |

### Edit product information

|  |  |
| --- | --- |
| **Identifier** | FR-50 |
| **Title** | Edit product information |
| **Requirement** | Seller shall be able to edit product information i.e. name, price, discount, by adding updated new products. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To edit the product information of already added products in sellers’ shop. |
| **Business Rule** |  |
| **Dependencies** | FR-51 |
| **Priority** | Medium |

### Validate product Information

|  |  |
| --- | --- |
| **Identifier** | FR-51 |
| **Title** | Validate product Information |
| **Requirement** | System shall be able to validate the product Information. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | Product information should be verified and validate. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## Delete Seller Product.



### Display List of Products

|  |  |
| --- | --- |
| **Identifier** | FR-52 |
| **Title** | Display list of products |
| **Requirement** | The seller shall be able to View product from her shop by clicking “View Product” button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view list of all the products. |
| **Business Rule** |  |
| **Dependencies** | FR-53 |
| **Priority** | Medium |

### Delete product

|  |  |
| --- | --- |
| **Identifier** | FR-53 |
| **Title** | Delete product |
| **Requirement** | The seller shall be able to delete product from her shop by clicking “Delete Product” button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To delete product from shop. |
| **Business Rule** |  |
| **Dependencies** | FR-54 |
| **Priority** | Medium |

### Confirm Delete Product

|  |  |
| --- | --- |
| **Identifier** | FR-54 |
| **Title** | Confirm Delete Product |
| **Requirement** | System shall display confirmation dialog box to confirm delete product. Seller shall be able to delete product by clicking “Delete” button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To delete product from shop. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## View Seller Product



### Display List of products

|  |  |
| --- | --- |
| **Identifier** | FR-56 |
| **Title** | Display list of products |
| **Requirement** | System shall display list of all the products |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view list of all the products. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## View Seller Product Orders



### Display Recent and Previous Orders

|  |  |
| --- | --- |
| **Identifier** | FR-57 |
| **Title** | Display Recent and Previous Orders |
| **Requirement** | System shall display recent and previous orders by clicking “View orders” button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view new and history to previous orders. |
| **Business Rule** |  |
| **Dependencies** | FR-58 |
| **Priority** | Medium |

### Select order

|  |  |
| --- | --- |
| **Identifier** | FR-58 |
| **Title** | Display recent and previous orders |
| **Requirement** | The seller shall click on any order from order history page to view the details of the order |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view details of any specific order. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## Product order confirmation



### Display list of all orders

|  |  |
| --- | --- |
| **Identifier** | FR-59 |
| **Title** | Display list of all orders |
| **Requirement** | The seller shall click on “view order” button to view the list of all the orders. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view the list of all the new and old orders of the shop. |
| **Business Rule** |  |
| **Dependencies** | FR-60 |
| **Priority** | Medium |

### Display order details

|  |  |
| --- | --- |
| **Identifier** | FR-60 |
| **Title** | Display order details |
| **Requirement** | The seller shall click on any order to view the details of that specific order. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view the details of some specific order. |
| **Business Rule** |  |
| **Dependencies** | FR-61 |
| **Priority** | Medium |

### Confirm Order

|  |  |
| --- | --- |
| **Identifier** | FR-61 |
| **Title** | Click confirm button |
| **Requirement** | The seller shall be able to confirm the bookings of the order by clicking on “confirm” button on order details page. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view the details of some specific order. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## Product Review Response



### Enter Reply

|  |  |
| --- | --- |
| **Identifier** | FR-62 |
| **Title** | Enter Reply |
| **Requirement** | The seller shall be able to type respond to the product review by clicking “Reply” button under the Buyer’s review. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To reply some specific review of the buyer. |
| **Business Rule** |  |
| **Dependencies** | FR-63 |
| **Priority** | Medium |

### Submit Reply

|  |  |
| --- | --- |
| **Identifier** | FR-63 |
| **Title** | Submit reply |
| **Requirement** | The seller shall be able to submit respond of the product review by clicking “Submit” button under the Buyer’s review. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To submit reply of some specific product. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## View order report



### Display Orders Reports

|  |  |
| --- | --- |
| **Identifier** | FR-64 |
| **Title** | Display Orders Reports |
| **Requirement** | System shall display all the order reports i.e. number of orders, total income of orders etc. by clicking view order report button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view the analysis of the reports. |
| **Business Rule** |  |
| **Dependencies** | FR-65 |
| **Priority** | Medium |

### Filter Report

|  |  |
| --- | --- |
| **Identifier** | FR-65 |
| **Title** | Filter Report |
| **Requirement** | System shall sort all the reports time wise by clicking “Filter reports” button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To sort the reports time wise. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## View Services



### Display add service page

|  |  |
| --- | --- |
| **Identifier** | FR-66 |
| **Title** | Display add service page |
| **Requirement** | The seller can view the add service page by clicking the “Add Service” button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To add new service in sellers’ shop. |
| **Business Rule** |  |
| **Dependencies** | FR-67, FR-68 |
| **Priority** | Medium |

### Enter Service information

|  |  |
| --- | --- |
| **Identifier** | FR-67 |
| **Title** | Enter Service information |
| **Requirement** | The seller shall be able to enter Service information by filling all the input fields of page. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To detail information of the service. |
| **Business Rule** |  |
| **Dependencies** | FR-69 |
| **Priority** | Medium |

### Upload service image

|  |  |
| --- | --- |
| **Identifier** | FR-68 |
| **Title** | Upload service image |
| **Requirement** | Sellers shall be able to upload photos for the service. By clicking “add Photo” button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To showcase services the seller shall upload service images. |
| **Business Rule** |  |
| **Dependencies** | FR-69 |
| **Priority** | Medium |

### Validate service Information

|  |  |
| --- | --- |
| **Identifier** | FR-69 |
| **Title** | Validate service Information |
| **Requirement** | Sellers shall be able to validate the service information after user added all the information successfully. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | Product information should be verified and validate. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## Edit service



### Display editable page

|  |  |
| --- | --- |
| **Identifier** | FR-70 |
| **Title** | Display editable page |
| **Requirement** | System shall display editable page on screen when seller clicks “Edit service” Button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To edit the service information of already added services in sellers’ shop. |
| **Business Rule** |  |
| **Dependencies** | FR-71 |
| **Priority** | Medium |

### Edit service information

|  |  |
| --- | --- |
| **Identifier** | FR-71 |
| **Title** | Edit service information |
| **Requirement** | Seller shall be able to edit service information i.e. name, price, discount, by adding updated new services. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To edit the service information of already added services in sellers’ shop. |
| **Business Rule** |  |
| **Dependencies** | FR-72, FR-73 |
| **Priority** | Medium |

### Validate service Information

|  |  |
| --- | --- |
| **Identifier** | FR-72 |
| **Title** | Validate service Information |
| **Requirement** | System shall be able to validate the service Information. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | Service information should be verified and validate. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

### Save new service Information

|  |  |
| --- | --- |
| **Identifier** | FR-73 |
| **Title** | Save new service Information |
| **Requirement** | The seller shall be able to save the edited service information by clicking “Save” button. |
| **Source** | COMSATS computer science department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To save new edited service information. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## Delete Service



### Display List of Services

|  |  |
| --- | --- |
| **Identifier** | FR-74 |
| **Title** | Display List of Services |
| **Requirement** | Seller shall be able to view “List of Services” after pressing the “Services” link. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To show services offered by seller. |
| **Business Rule** |  |
| **Dependencies** | FR-75, FR-76 |
| **Priority** | High |

### Select Service

|  |  |
| --- | --- |
| **Identifier** | FR-75 |
| **Title** | Select Service |
| **Requirement** | Seller shall be able to select a service from “List of Services”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, perform actions on service such as edit and delete. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Displays Confirmation Dialog Box

|  |  |
| --- | --- |
| **Identifier** | FR-77 |
| **Title** | Displays Confirmation Dialog Box |
| **Requirement** | When seller click “Delete” button, the system shall display a dialog box to confirm the delete action. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To warn user that this delete action is permanent and cannot be reverted, and make sure “Delete” button was not pressed accidentally. |
| **Business Rule** |  |
| **Dependencies** | FR-78 |
| **Priority** | High |

## View Service Reports



### Display “Service Reports” Page

|  |  |
| --- | --- |
| **Identifier** | FR-80 |
| **Title** | Display “Service Reports” Page |
| **Requirement** | After seller clicks “Service Reports” button, the system shall display “Service Reports” page with time filter option. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, evaluate their performance by analyzing the reports of services offered by them. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Service Requests



### Display List of “Service Requests”

|  |  |
| --- | --- |
| **Identifier** | FR-82 |
| **Title** | Display List of “Service Requests” |
| **Requirement** | After seller clicks “Service Requests” button, the system shall display List of “Service Requests” with their status of “Accepted”, “Canceled” or “In Progress”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, see all requests they have received or worked/working on the services they are offering |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Service Request Invoices



### Display List of "Service Request Invoices"

|  |  |
| --- | --- |
| **Identifier** | FR-84 |
| **Title** | Display List of “Service Request Invoices” |
| **Requirement** | After seller clicks “Invoices” button of a “Service Request” record, the system shall display List of “Service Request Invoices” with their status of “Paid”, “Unpaid” or “Cancelled”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, see all invoices created by them for specified service request. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Create Service Request Invoice



### Display "Create Invoice" Page for Service request

|  |  |
| --- | --- |
| **Identifier** | FR-86 |
| **Title** | Display List of “Service Request Invoices” |
| **Requirement** | After seller clicks “Create Invoice” button of a “Service Request” record, the system shall display “Create Invoice” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, create invoice for specified service request. |
| **Business Rule** |  |
| **Dependencies** | FR-87, FR-88, FR-89, FR-90 |
| **Priority** | High |

### Enter Invoice Information

|  |  |
| --- | --- |
| **Identifier** | FR-87 |
| **Title** | Enter Invoice Information |
| **Requirement** | The seller shall be able to enter invoice Information which include title and description. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, enter details of invoice to create new invoice for service request. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Enter “Invoice Row” Information

|  |  |
| --- | --- |
| **Identifier** | FR-89 |
| **Title** | Enter “Invoice Row” Information |
| **Requirement** | The seller shall be able to enter invoice row Information which include Title, Quantity and Cost. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, enter details of invoice row. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Submit Invoice Information

|  |  |
| --- | --- |
| **Identifier** | FR-90 |
| **Title** | Submit Invoice Information |
| **Requirement** | The seller shall be able to click “Submit” button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, submit details of the invoice Information to system in order to create new invoice for service request. |
| **Business Rule** |  |
| **Dependencies** | FR-91 |
| **Priority** | High |

### Validate Invoice Information

|  |  |
| --- | --- |
| **Identifier** | FR-91 |
| **Title** | Validate Invoice Information |
| **Requirement** | After seller submit invoice Information, the system shall validate input fields submitted. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by seller to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-92, FR-93 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-92 |
| **Title** | Display Error Message |
| **Requirement** | If validation fails, the system shall generate error messages. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Display Success Message

|  |  |
| --- | --- |
| **Identifier** | FR-93 |
| **Title** | Display Success Message |
| **Requirement** | If validation succeed, the system shall display success message. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, their action is complete successfully. |
| **Business Rule** |  |
| **Dependencies** | FR-94, FR-95 |
| **Priority** | High |

### Create Invoice

|  |  |
| --- | --- |
| **Identifier** | FR-94 |
| **Title** | Create Invoice |
| **Requirement** | If validation succeed, the system shall create invoice with details entered by seller. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To create invoice in system database. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Notify Buyer

|  |  |
| --- | --- |
| **Identifier** | FR-95 |
| **Title** | Notify Buyer |
| **Requirement** | After creation of invoice, the system shall notify buyer of invoice with email notification. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let know buyer about invoices for their service requests. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Update Shop



### Enter Shop Information

|  |  |
| --- | --- |
| **Identifier** | FR-103 |
| **Title** | Enter Shop Information |
| **Requirement** | The seller shall be able to enter shop Information which include shop name and description. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, update details of their shop. |
| **Business Rule** |  |
| **Dependencies** | FR-105 |
| **Priority** | High |

### Validate Shop Information

|  |  |
| --- | --- |
| **Identifier** | FR-105 |
| **Title** | Validate Shop Information |
| **Requirement** | After seller submit shop Information, the system shall validate input fields submitted. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by seller to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-106 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-106 |
| **Title** | Display Error Message |
| **Requirement** | If validation fails, the system shall generate error messages. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Support Tickets



### Display "Support Tickets" Page

|  |  |
| --- | --- |
| **Identifier** | FR-108 |
| **Title** | Display “Support Tickets” Page |
| **Requirement** | After user clicks “Support Tickets” button, the system shall display “Support Tickets” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, see all support tickets created by them. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Create Support Ticket



### Display "Create Support Ticket Page" Page

|  |  |
| --- | --- |
| **Identifier** | FR-110 |
| **Title** | Display “Create Support Ticket Page” Page |
| **Requirement** | After user clicks “Create Support Ticket” button, the system shall display “Create Support Ticket Page” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, create support ticket in system. |
| **Business Rule** |  |
| **Dependencies** | FR-111, FR-112, FR-113, FR-114 |
| **Priority** | High |

### Enter Support Ticket Information

|  |  |
| --- | --- |
| **Identifier** | FR-111 |
| **Title** | Enter Support Ticket |
| **Requirement** | The user shall be able to enter support ticket Information which include ticket title and message. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter details for support ticket to be created. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Upload Attachments

|  |  |
| --- | --- |
| **Identifier** | FR-112 |
| **Title** | Upload Attachments |
| **Requirement** | The user shall be able to attach files with support ticket. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, attach files with support ticket to give them more power to explain their issue of support ticket. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Support Ticket Information

|  |  |
| --- | --- |
| **Identifier** | FR-114 |
| **Title** | Validate Support Ticket Information |
| **Requirement** | After user submit Support Ticket Information, the system shall validate input fields submitted. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-115 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-115 |
| **Title** | Display Error Message |
| **Requirement** | If validation fails, the system shall generate error messages. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Add Support Ticket Message



### Select Support Ticket

|  |  |
| --- | --- |
| **Identifier** | FR-116 |
| **Title** | Select Support Ticket |
| **Requirement** | The user shall be able to select a “Support Ticket” on “Support Tickets” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, navigate to “Support Ticket” page. |
| **Business Rule** |  |
| **Dependencies** | FR-117 |
| **Priority** | High |

### Display Support Ticket Page

|  |  |
| --- | --- |
| **Identifier** | FR-117 |
| **Title** | Display Support Ticket Page |
| **Requirement** | After user select a “Support Ticket”, the system shall display Support Ticket page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, navigate to “Support Ticket” page where user can see all their messages and responses on Support Ticket. |
| **Business Rule** |  |
| **Dependencies** | FR-118, FR-119, FR-120 |
| **Priority** | High |

### Enter Support Ticket Message

|  |  |
| --- | --- |
| **Identifier** | FR-118 |
| **Title** | Enter Support Ticket Message |
| **Requirement** | The user shall be able to enter support ticket message “Support Ticket” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, add message for support ticket. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Upload Attachments

|  |  |
| --- | --- |
| **Identifier** | FR-119 |
| **Title** | Upload Attachments |
| **Requirement** | The user shall be able to attach files with support ticket message. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, attach files with support ticket message to give them more power to explain their issue of support ticket. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Support Ticket Message

|  |  |
| --- | --- |
| **Identifier** | FR-121 |
| **Title** | Validate Support Ticket Message |
| **Requirement** | After user submit Support Ticket Message, the system shall validate input fields submitted. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-122 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-122 |
| **Title** | Display Error Message |
| **Requirement** | If validation fails, the system shall generate error messages. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Close Support Ticket



### Click “Close Ticket” Button

|  |  |
| --- | --- |
| **Identifier** | FR-123 |
| **Title** | Click “Close Ticket” Button |
| **Requirement** | User shall be able to click on “Close Ticket” button on “Support Ticket” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To close the support. |
| **Business Rule** |  |
| **Dependencies** | FR-124 |
| **Priority** | Medium |

### Displays Confirmation Popup

|  |  |
| --- | --- |
| **Identifier** | FR-124 |
| **Title** | Displays Confirmation Popup |
| **Requirement** | When seller click “Close Ticket” button, the system shall display a dialog box to confirm the close ticket action. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To warn user that this confirm action is permanent and cannot be reverted, and make sure “Close Ticket” button was not pressed accidentally. |
| **Business Rule** |  |
| **Dependencies** | FR-125 |
| **Priority** | Medium |

## Add to Cart Product



### Display “Product” Page

|  |  |
| --- | --- |
| **Identifier** | FR-126 |
| **Title** | Display Product Page |
| **Requirement** | The system shall display “Product” page after buyer clicks on product. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, view the product and its detail. |
| **Business Rule** |  |
| **Dependencies** | FR-127 |
| **Priority** | High |

## Checkout



### Click Cart Button

|  |  |
| --- | --- |
| **Identifier** | FR-128 |
| **Title** | Click “Cart” Button |
| **Requirement** | The user shall be able to click on “Cart” button in navbar. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, navigate to “Cart” page. |
| **Business Rule** |  |
| **Dependencies** | FR-129 |
| **Priority** | High |

### Display Cart Page

|  |  |
| --- | --- |
| **Identifier** | FR-129 |
| **Title** | Display Cart Page |
| **Requirement** | After user clicks on “Cart” button, the system shall display Cart page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, navigate to “Cart” page where user can see all the products added by them to purchase. |
| **Business Rule** |  |
| **Dependencies** | FR-130, FR-131, FR-132, FR-135 |
| **Priority** | High |

### Select Payment Method

|  |  |
| --- | --- |
| **Identifier** | FR-131 |
| **Title** | Select Payment Method |
| **Requirement** | The user shall be able to select a “Payment Method” on “Checkout” page which include Card, Easy Paisa and Cash on delivery. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select the payment method they want to use for payment of their order. |
| **Business Rule** |  |
| **Dependencies** | FR-132, FR-133, FR-134 |
| **Priority** | High |

### Enter Card Information

|  |  |
| --- | --- |
| **Identifier** | FR-132 |
| **Title** | Enter Card Information |
| **Requirement** | The user shall be able to enter Card Information on “Checkout” page if they selected “Card” payment method. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter details of card to make payment. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Enter Easy Paisa Mobile Number

|  |  |
| --- | --- |
| **Identifier** | FR-133 |
| **Title** | Enter Easy Paisa Mobile Number |
| **Requirement** | The user shall be able to enter Easy Paisa Mobile Number on “Checkout” page if they selected “Easy Paisa” payment method. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter details of easy paisa to make payment. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Enter Easy Paisa Token

|  |  |
| --- | --- |
| **Identifier** | FR-134 |
| **Title** | Enter Easy Paisa Token |
| **Requirement** | The user shall be able to enter Easy Paisa Token on “Checkout” page if they selected “Easy Paisa” payment method and entered Easy Paisa Mobile Number. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter token generated by easy paisa to complete payment. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Payment Information

|  |  |
| --- | --- |
| **Identifier** | FR-136 |
| **Title** | Validate Support Ticket Message |
| **Requirement** | After user submit payment Information, the system shall validate payment Information. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-137 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-137 |
| **Title** | Display Error Message |
| **Requirement** | If validation fails, the system shall generate error messages. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Process Payment

|  |  |
| --- | --- |
| **Identifier** | FR-138 |
| **Title** | Process Payment |
| **Requirement** | After user submit payment Information, the system shall process payment. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To process payment from payment method selected by user. |
| **Business Rule** |  |
| **Dependencies** | FR-140 |
| **Priority** | High |

### Process Payment Fails

|  |  |
| --- | --- |
| **Identifier** | FR-139 |
| **Title** | Process Payment Fails |
| **Requirement** | If payment processing fails, the system shall generate error messages. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Send Notification to Seller

|  |  |
| --- | --- |
| **Identifier** | FR-140 |
| **Title** | Send Notification to Seller |
| **Requirement** | After payment processing, the system shall send notification to sellers of order creation. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To notify seller of orders on their products. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View all Products



### Display list of Products

|  |  |
| --- | --- |
| **Identifier** | FR-142 |
| **Title** | Display list of Products |
| **Requirement** | The user shall be able to view all the products with their detail and shop name. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, see all the products on the system. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Ask Product Question



### Display “Product” Page

|  |  |
| --- | --- |
| **Identifier** | FR-143 |
| **Title** | Display Product Page |
| **Requirement** | The system shall display “Product” page after buyer clicks on product. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, view the product and its detail. |
| **Business Rule** |  |
| **Dependencies** | FR-144, FR-145 |
| **Priority** | High |

### Question a Product

|  |  |
| --- | --- |
| **Identifier** | FR-144 |
| **Title** | Question a Product |
| **Requirement** | The buyer shall be able to put a question related to the product after clicking “Ask Question”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, get all possible detail related to the product. So, there would be no confusion in his/her mind before buying the product. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Question

|  |  |
| --- | --- |
| **Identifier** | FR-146 |
| **Title** | Validate Question |
| **Requirement** | After buyer submit a question, the system shall validate that the question shouldn’t exceed 500 characters. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input field submitted by buyer to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## View Services



### Display list of Services

|  |  |
| --- | --- |
| **Identifier** | FR-148 |
| **Title** | Display list of Services. |
| **Requirement** | The user shall be able to view all the services with their detail. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, see all the services on the system. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Request Service



### Display list of Services

|  |  |
| --- | --- |
| **Identifier** | FR-149 |
| **Title** | Display list of Services. |
| **Requirement** | The user shall be able to view all the services with their detail. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, see all the services on the system. |
| **Business Rule** |  |
| **Dependencies** | FR-150 |
| **Priority** | High |

### Select a Service

|  |  |
| --- | --- |
| **Identifier** | FR-150 |
| **Title** | Select a service |
| **Requirement** | The user shall be able to select a service from the list of services that system displayed. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, have a service of choice. |
| **Business Rule** |  |
| **Dependencies** | FR-151 |
| **Priority** | High |

### Answer Predefined Questions

|  |  |
| --- | --- |
| **Identifier** | FR-151 |
| **Title** | Answer predefined Questions |
| **Requirement** | The Buyer shall be able to answer questions related to the service he/she selected. The questions are predefined for the service. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, specify what and how exactly he/she needs a service. |
| **Business Rule** |  |
| **Dependencies** | FR-152, FR-153 |
| **Priority** | High |

### Validate Answers

|  |  |
| --- | --- |
| **Identifier** | FR-153 |
| **Title** | Validate Answers |
| **Requirement** | After buyer submit answers, the system shall validate all the answers. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input field submitted by buyer to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## View Buyer Service Request



### Display Service Request Detail

|  |  |
| --- | --- |
| **Identifier** | FR-154 |
| **Title** | Display Service Request Detail. |
| **Requirement** | The user shall be able to view the service request detail along with invoices and their status. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, see all the services on the system. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Pay Service Request Invoice



### Display Invoice Payment Page

|  |  |
| --- | --- |
| **Identifier** | FR-156 |
| **Title** | Display Cart Page |
| **Requirement** | After user clicks on “Pay Invoice” button, the system shall display Invoice Payment page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, navigate to “Invoice Payment” page where user can make payment of invoice. |
| **Business Rule** |  |
| **Dependencies** | FR-157, FR-151 |
| **Priority** | High |

### Select Payment Method

|  |  |
| --- | --- |
| **Identifier** | FR-157 |
| **Title** | Select Payment Method |
| **Requirement** | The user shall be able to select a “Payment Method” on “Invoice Payment” page which include Card and Easy Paisa. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select the payment method they want to use for payment of their order. |
| **Business Rule** |  |
| **Dependencies** | FR-158, FR-159, FR-160 |
| **Priority** | High |

### Enter Card Information

|  |  |
| --- | --- |
| **Identifier** | FR-158 |
| **Title** | Enter Card Information |
| **Requirement** | The user shall be able to enter Card Information on “Invoice Payment” page if they selected “Card” payment method. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter details of card to make payment. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Enter Easy Paisa Mobile Number

|  |  |
| --- | --- |
| **Identifier** | FR-159 |
| **Title** | Enter Easy Paisa Mobile Number |
| **Requirement** | The user shall be able to enter Easy Paisa Mobile Number on “Invoice Payment” page if they selected “Easy Paisa” payment method. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter details of easy paisa to make payment. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Enter Easy Paisa Token

|  |  |
| --- | --- |
| **Identifier** | FR-160 |
| **Title** | Enter Easy Paisa Token |
| **Requirement** | The user shall be able to enter Easy Paisa Token on “Invoice Payment” page if they selected “Easy Paisa” payment method and entered Easy Paisa Mobile Number. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter token generated by easy paisa to complete payment. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Payment Information

|  |  |
| --- | --- |
| **Identifier** | FR-162 |
| **Title** | Validate Support Ticket Message |
| **Requirement** | After user submit payment Information, the system shall validate payment Information. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-163 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-163 |
| **Title** | Display Error Message |
| **Requirement** | If validation fails, the system shall generate error messages. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Process Payment

|  |  |
| --- | --- |
| **Identifier** | FR-164 |
| **Title** | Process Payment |
| **Requirement** | After user submit payment Information, the system shall process payment. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To process payment from payment method selected by user. |
| **Business Rule** |  |
| **Dependencies** | FR-166 |
| **Priority** | High |

### Process Payment Fails

|  |  |
| --- | --- |
| **Identifier** | FR-165 |
| **Title** | Process Payment Fails |
| **Requirement** | If payment processing fails, the system shall generate error messages. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Send Notification to Seller

|  |  |
| --- | --- |
| **Identifier** | FR-166 |
| **Title** | Send Notification to Seller |
| **Requirement** | After payment processing, the system shall send notification to sellers of invoice payment. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To notify seller of payment of invoices for service requests they have received. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Upgrade to Pro Membership



### Display Membership Payment Page

|  |  |
| --- | --- |
| **Identifier** | FR-168 |
| **Title** | Display Membership Payment Page |
| **Requirement** | After user clicks on “Upgrade” button, the system shall display “Membership Payment” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, navigate to “Membership Payment” page where user can see make payment for membership. |
| **Business Rule** |  |
| **Dependencies** | FR-169, FR-173 |
| **Priority** | High |

### Select Payment Method

|  |  |
| --- | --- |
| **Identifier** | FR-169 |
| **Title** | Select Payment Method |
| **Requirement** | The user shall be able to select a “Payment Method” on “Membership Payment” page which include Card, Easy Paisa and user balance. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select the payment method they want to use for payment of their membership. |
| **Business Rule** |  |
| **Dependencies** | FR-170, FR-171, FR-172 |
| **Priority** | High |

### Enter Card Information

|  |  |
| --- | --- |
| **Identifier** | FR-170 |
| **Title** | Enter Card Information |
| **Requirement** | The user shall be able to enter Card Information on “Membership Payment” page if they selected “Card” payment method. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter details of card to make payment. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Enter Easy Paisa Mobile Number

|  |  |
| --- | --- |
| **Identifier** | FR-171 |
| **Title** | Enter Easy Paisa Mobile Number |
| **Requirement** | The user shall be able to enter Easy Paisa Mobile Number on “Membership Payment” page if they selected “Easy Paisa” payment method. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter details of easy paisa to make payment. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Enter Easy Paisa Token

|  |  |
| --- | --- |
| **Identifier** | FR-172 |
| **Title** | Enter Easy Paisa Token |
| **Requirement** | The user shall be able to enter Easy Paisa Token on “Membership Payment” page if they selected “Easy Paisa” payment method and entered Easy Paisa Mobile Number. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter token generated by easy paisa to complete payment. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Payment Information

|  |  |
| --- | --- |
| **Identifier** | FR-174 |
| **Title** | Validate Support Ticket Message |
| **Requirement** | After user submit payment Information, the system shall validate payment Information. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-175 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-175 |
| **Title** | Display Error Message |
| **Requirement** | If validation fails, the system shall generate error messages. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Process Payment

|  |  |
| --- | --- |
| **Identifier** | FR-176 |
| **Title** | Process Payment |
| **Requirement** | After user submit payment Information, the system shall process payment. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To process payment from payment method selected by user. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Process Payment Fails

|  |  |
| --- | --- |
| **Identifier** | FR-177 |
| **Title** | Process Payment Fails |
| **Requirement** | If payment processing fails, the system shall generate error messages. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |

## Cancel Pro Membership



### Displays Confirmation Popup

|  |  |
| --- | --- |
| **Identifier** | FR-179 |
| **Title** | Displays Confirmation Popup |
| **Requirement** | When seller click “Cancel Pro Membership” button, the system shall display a dialog box to confirm the cancel action. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To warn user that this confirm action is permanent and cannot be reverted, and make sure “Cancel Pro Membership” button was not pressed accidentally. |
| **Business Rule** |  |
| **Dependencies** | FR-180 |
| **Priority** | Medium |

## View Product Questions



### Display Product Questions

|  |  |
| --- | --- |
| **Identifier** | FR-181 |
| **Title** | Display Product Questions |
| **Requirement** | Seller shall be able to view the list of questions against the product after clicking “View Questions” button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To see and can reply of the Buyer’s questions. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Answer Product Question



### Display “Product” Page

|  |  |
| --- | --- |
| **Identifier** | FR-182 |
| **Title** | Display Product Page |
| **Requirement** | The system shall display “Product” page after seller clicks on product. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, view the product and its detail. |
| **Business Rule** |  |
| **Dependencies** | FR-183 |
| **Priority** | High |

### Select Product Question

|  |  |
| --- | --- |
| **Identifier** | FR-183 |
| **Title** | Select Product Question |
| **Requirement** | The Seller shall be able to select a question for a product after clicking on the question. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To reply the Buyer’s questions. |
| **Business Rule** |  |
| **Dependencies** | FR-184, FR-185 |
| **Priority** | High |

### Answer Question

|  |  |
| --- | --- |
| **Identifier** | FR-184 |
| **Title** | Answer Question |
| **Requirement** | The Seller shall be able to answer question related to the product which buyer asked after clicking on input field below the question. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, reply to buyer’s questions. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Answers

|  |  |
| --- | --- |
| **Identifier** | FR-186 |
| **Title** | Validate Answers |
| **Requirement** | After seller submit answers, the system shall validate all the answers. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input field submitted by seller to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-187 |
| **Priority** | Medium |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-187 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error message if seller exceed 500 characters in answer field. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Ask Product Question



### Display “Service” Page

|  |  |
| --- | --- |
| **Identifier** | FR-188 |
| **Title** | Display Product Page |
| **Requirement** | The system shall display “Service” page after buyer clicks on shop that offering the service. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, view the service and its detail. |
| **Business Rule** |  |
| **Dependencies** | FR-189, FR-190 |
| **Priority** | High |

### Question a Service

|  |  |
| --- | --- |
| **Identifier** | FR-189 |
| **Title** | Question a Service |
| **Requirement** | The buyer shall be able to put a question related to the service after clicking “Ask Question”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, get all possible detail related to the service. So, there would be no confusion in his/her mind before buying the service. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Question

|  |  |
| --- | --- |
| **Identifier** | FR-191 |
| **Title** | Validate Question |
| **Requirement** | After buyer submit a question, the system shall validate that the question shouldn’t exceed 500 characters. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input field submitted by buyer to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | Medium |

## View Service Questions



### Display Service Questions

|  |  |
| --- | --- |
| **Identifier** | FR-192 |
| **Title** | Display Service Questions |
| **Requirement** | Seller shall be able to view the list of questions against the service after clicking “View Questions” button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To see and can reply of the Buyer’s questions. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Answer Service Question



### Display “Service” Page

|  |  |
| --- | --- |
| **Identifier** | FR-193 |
| **Title** | Display Service Page |
| **Requirement** | The system shall display “Service” page after seller clicks on service. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, view the service and its detail. |
| **Business Rule** |  |
| **Dependencies** | FR-194 |
| **Priority** | High |

### Select Service Question

|  |  |
| --- | --- |
| **Identifier** | FR-194 |
| **Title** | Select Service Question |
| **Requirement** | The Seller shall be able to select a question for a Service after clicking on the question. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To reply the Buyer’s questions. |
| **Business Rule** |  |
| **Dependencies** | FR-195 |
| **Priority** | High |

### Answer Question

|  |  |
| --- | --- |
| **Identifier** | FR-195 |
| **Title** | Answer Question |
| **Requirement** | The Seller shall be able to answer question related to the Service which buyer asked after clicking on input field below the question. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, reply to buyer’s questions. |
| **Business Rule** |  |
| **Dependencies** | FR-196 |
| **Priority** | High |

### Validate Answers

|  |  |
| --- | --- |
| **Identifier** | FR-197 |
| **Title** | Validate Answers |
| **Requirement** | After seller submit answers, the system shall validate all the answers. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input field submitted by seller to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-198 |
| **Priority** | Medium |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-198 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error message if seller exceed 500 characters in answer field. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Search Products



### Enter Search Query

|  |  |
| --- | --- |
| **Identifier** | FR-199 |
| **Title** | Enter Search Query |
| **Requirement** | The user shall be able to enter a query in order to search a product. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, find a product efficiently. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Click Search Button

|  |  |
| --- | --- |
| **Identifier** | FR-200 |
| **Title** | Click Search Button |
| **Requirement** | The system shall display a product against buyer’s query after the buyer clicks on Search button. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, find a product efficiently. |
| **Business Rule** |  |
| **Dependencies** | FR-200 |
| **Priority** | High |

## Filter Products



### Filter By Category

|  |  |
| --- | --- |
| **Identifier** | FR-201 |
| **Title** | Filter By Category |
| **Requirement** | The user shall be able to filter products by selecting any predefined product category. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, find a product efficiently by categories. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Filter By Star Rating

|  |  |
| --- | --- |
| **Identifier** | FR-202 |
| **Title** | Filter By Star Rating |
| **Requirement** | The user shall be able to filter products by selecting star ratings from 1-5. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, find a product by its reviews. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Filter By Price Range

|  |  |
| --- | --- |
| **Identifier** | FR-203 |
| **Title** | Filter By Price Range |
| **Requirement** | The user shall be able to filter products by adjusting price range of the products. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, find a product efficiently by price. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Filter By Product Sales

|  |  |
| --- | --- |
| **Identifier** | FR-204 |
| **Title** | Filter By Product Sales |
| **Requirement** | The user shall be able to filter products by setting product sales high to low or low to high. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, find a product efficiently by product sales. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Review Product



### Select Star Rating

|  |  |
| --- | --- |
| **Identifier** | FR-206 |
| **Title** | Select Star Rating |
| **Requirement** | The user shall be able to rate the seller’s product from 1-5. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, review the seller on basis of purchased product. |
| **Business Rule** |  |
| **Dependencies** | FR-207, FR-208 |
| **Priority** | High |

### Enter Review Message

|  |  |
| --- | --- |
| **Identifier** | FR-207 |
| **Title** | Enter Review Message |
| **Requirement** | The buyer shall be able to enter a review message explaining the star rate he/she selected. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, write review on the seller on basis of purchased product. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Review Message

|  |  |
| --- | --- |
| **Identifier** | FR-209 |
| **Title** | Validate Review Message |
| **Requirement** | After seller submit review message, the system shall validate the message. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input field submitted by buyer to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-210 |
| **Priority** | Medium |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-210 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error message if buyer exceed 500 characters in review message field. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Order History

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### View Order History

|  |  |
| --- | --- |
| **Identifier** | FR-211 |
| **Title** | View Order History |
| **Requirement** | The buyer shall be able to view the order history by clicking View order button. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let gave product review. |
| **Business Rule** |  |
| **Dependencies** | FR-212 |
| **Priority** | High |

### Select Order

|  |  |
| --- | --- |
| **Identifier** | FR-212 |
| **Title** | Select Order |
| **Requirement** | The user Shall be able to select the order by clicking on any order. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view order history. |
| **Business Rule** |  |
| **Dependencies** | FR-213 |
| **Priority** | High |

### Display Order Detail

|  |  |
| --- | --- |
| **Identifier** | FR-213 |
| **Title** | Display Order Detail |
| **Requirement** | The system shall display order detail after user clicks on any order. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view order history. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Buyer Product Order Details

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### Display buyer account

|  |  |
| --- | --- |
| **Identifier** | FR-214 |
| **Title** | Display buyer account |
| **Requirement** | The buyer shall be able to view the order details by clicking on “View all orders” button. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view buyer product order details. |
| **Business Rule** |  |
| **Dependencies** | FR-215 |
| **Priority** | High |

### Select Order

|  |  |
| --- | --- |
| **Identifier** | FR-215 |
| **Title** | Select Order |
| **Requirement** | The user Shall be able to select the order by clicking on any order. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view order history. |
| **Business Rule** |  |
| **Dependencies** | FR-216 |
| **Priority** | High |

### Display Order Detail

|  |  |
| --- | --- |
| **Identifier** | FR-216 |
| **Title** | Display Order Detail |
| **Requirement** | The system shall display order detail after user clicks on any order. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To view order history. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Add Product to Wish List



### Add Product to Wish List

|  |  |
| --- | --- |
| **Identifier** | FR-217 |
| **Title** | Add Product to wish list |
| **Requirement** | The buyer shall be able to add the product to the Wishlist by clicking the “add to Wishlist” button. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To add product to the Wishlist. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Buyer Wishlist

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### Display Wishlist Page

|  |  |
| --- | --- |
| **Identifier** | FR-219 |
| **Title** | Display Wish List |
| **Requirement** | After clicking “My Wish List” button, the system shall display “Wish List” page. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view their Wish list items. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Product

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### Display Products Page

|  |  |
| --- | --- |
| **Identifier** | FR-221 |
| **Title** | Display Products Page |
| **Requirement** | After clicking “Products” button, the system shall display “Products” page. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the products to allow them to manage them. |
| **Business Rule** |  |
| **Dependencies** | FR-222, FR-223 |
| **Priority** | High |

### Select Product

|  |  |
| --- | --- |
| **Identifier** | FR-222 |
| **Title** | Select Product |
| **Requirement** | The moderator shall be able to select a product on “Products” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a product to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Display Product Detail Page

|  |  |
| --- | --- |
| **Identifier** | FR-224 |
| **Title** | Display Product Detail Page |
| **Requirement** | After clicking “Detail” button, the system shall display “Product Detail” page. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the product details. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Seller’s Product Details

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### Select Seller

|  |  |
| --- | --- |
| **Identifier** | FR-225 |
| **Title** | Select Seller |
| **Requirement** | The moderator shall be able to select a product on “Products” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a seller to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-225 |
| **Priority** | High |

### Display Seller Account

|  |  |
| --- | --- |
| **Identifier** | FR-226 |
| **Title** | Display Seller Account |
| **Requirement** | After selecting a Seller, the system shall display “Seller” Account page along with their products. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the seller account to allow them to manage them. |
| **Business Rule** |  |
| **Dependencies** | FR-227 |
| **Priority** | High |

### Select Product

|  |  |
| --- | --- |
| **Identifier** | FR-227 |
| **Title** | Select Product |
| **Requirement** | The moderator shall be able to select a product on “Seller Account” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a product to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-228 |
| **Priority** | High |

### Display Product Detail Page

|  |  |
| --- | --- |
| **Identifier** | FR-229 |
| **Title** | Display Product Detail Page |
| **Requirement** | After clicking “Detail” button, the system shall display “Product Detail” page. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the product details. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Seller’s Product Order Details

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### Select Seller

|  |  |
| --- | --- |
| **Identifier** | FR-230 |
| **Title** | Select Seller |
| **Requirement** | The moderator shall be able to select a product on “Products” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a seller to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-231 |
| **Priority** | High |

### Display Seller Account

|  |  |
| --- | --- |
| **Identifier** | FR-231 |
| **Title** | Display Seller Account |
| **Requirement** | After selecting a Seller, the system shall display “Seller” Account page along with their products. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the seller account to allow them to manage them. |
| **Business Rule** |  |
| **Dependencies** | FR-232 |
| **Priority** | High |

### Select Product Order

|  |  |
| --- | --- |
| **Identifier** | FR-232 |
| **Title** | Select Product |
| **Requirement** | The moderator shall be able to select a product order on “Seller Account” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a product order to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-233 |
| **Priority** | High |

### Display Product Order Detail Page

|  |  |
| --- | --- |
| **Identifier** | FR-234 |
| **Title** | Display Product Order Detail Page |
| **Requirement** | After clicking “Detail” button, the system shall display “Product Order Detail” page. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the product order details. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Seller’s Service Details

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### Select Seller

|  |  |
| --- | --- |
| **Identifier** | FR-235 |
| **Title** | Select Seller |
| **Requirement** | The moderator shall be able to select a product on “Products” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a seller to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-236 |
| **Priority** | High |

### Display Seller Account

|  |  |
| --- | --- |
| **Identifier** | FR-236 |
| **Title** | Display Seller Account |
| **Requirement** | After selecting a Seller, the system shall display “Seller” Account page along with their services. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the seller account to allow them to manage them. |
| **Business Rule** |  |
| **Dependencies** | FR-237 |
| **Priority** | High |

### Select Service

|  |  |
| --- | --- |
| **Identifier** | FR-237 |
| **Title** | Select Service |
| **Requirement** | The moderator shall be able to select a service on “Seller Account” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a service to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-238 |
| **Priority** | High |

### Display Service Detail Page

|  |  |
| --- | --- |
| **Identifier** | FR-239 |
| **Title** | Display Service Detail Page |
| **Requirement** | After clicking “Detail” button, the system shall display “Service Detail” page. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the service details. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Review Seller Service

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### Display List of Services

|  |  |
| --- | --- |
| **Identifier** | FR-241 |
| **Title** | Display List of Services |
| **Requirement** | After clicking “Seller Services” button, the system shall display List of Services along with the service’s status. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the list of services of seller. |
| **Business Rule** |  |
| **Dependencies** | FR-242 |
| **Priority** | High |

### Select Service

|  |  |
| --- | --- |
| **Identifier** | FR-242 |
| **Title** | Select Service |
| **Requirement** | The moderator shall be able to select a service from list of services. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a service to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-243, FR-244 |
| **Priority** | High |

### Click "Approve" Button

|  |  |
| --- | --- |
| **Identifier** | FR-243 |
| **Title** | Click “Approve” Button |
| **Requirement** | The moderator shall be able to click “Approve” button on selected service. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, approve the product to allow it to show on system for buyers. |
| **Business Rule** |  |
| **Dependencies** | FR-245 |
| **Priority** | High |

### Click "Disapprove" Button

|  |  |
| --- | --- |
| **Identifier** | FR-244 |
| **Title** | Click “Disapprove” Button |
| **Requirement** | The moderator shall be able to click “Disapprove” button on selected service. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, disapprove the product to disallow it to show on system for buyers. |
| **Business Rule** |  |
| **Dependencies** | FR-245 |
| **Priority** | High |

### Send Notification to Seller

|  |  |
| --- | --- |
| **Identifier** | FR-245 |
| **Title** | Send Notification to Seller |
| **Requirement** | After service review, the system shall send notification to sellers of status of service. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To notify seller of approval or disapproval of their services. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Review Seller Product

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### Display List of Products

|  |  |
| --- | --- |
| **Identifier** | FR-247 |
| **Title** | Display List of Products |
| **Requirement** | After clicking “Seller Products” button, the system shall display List of Products along with the product’s status. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the list of products of seller. |
| **Business Rule** |  |
| **Dependencies** | FR-248 |
| **Priority** | High |

### Select Product

|  |  |
| --- | --- |
| **Identifier** | FR-248 |
| **Title** | Select Product |
| **Requirement** | The moderator shall be able to select a product from list of products. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a product to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-249, FR-250 |
| **Priority** | High |

### Click "Approve" Button

|  |  |
| --- | --- |
| **Identifier** | FR-249 |
| **Title** | Click “Approve” Button |
| **Requirement** | The moderator shall be able to click “Approve” button on selected product. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, approve the product to allow it to show on system for buyers. |
| **Business Rule** |  |
| **Dependencies** | FR-251 |
| **Priority** | High |

### Click "Disapprove" Button

|  |  |
| --- | --- |
| **Identifier** | FR-250 |
| **Title** | Click “Disapprove” Button |
| **Requirement** | The moderator shall be able to click “Disapprove” button on selected product. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, disapprove the product to disallow it to show on system for buyers. |
| **Business Rule** |  |
| **Dependencies** | FR-251 |
| **Priority** | High |

### Send Notification to Seller

|  |  |
| --- | --- |
| **Identifier** | FR-251 |
| **Title** | Send Notification to Seller |
| **Requirement** | After product review, the system shall send notification to sellers of status of product. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To notify seller of approval or disapproval of their products. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Create Product Category

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### Display Dialog

|  |  |
| --- | --- |
| **Identifier** | FR-253 |
| **Title** | Display Dialog |
| **Requirement** | After clicking “Add New” button, the system shall display a dialog for creating product category. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, see the form for creating “Product Category”. |
| **Business Rule** |  |
| **Dependencies** | FR-254, FR-255 |
| **Priority** | High |

### Enter Category Name

|  |  |
| --- | --- |
| **Identifier** | FR-254 |
| **Title** | Enter Category Name |
| **Requirement** | The admin shall be able to enter category name. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter category name for new category. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Category Name

|  |  |
| --- | --- |
| **Identifier** | FR-256 |
| **Title** | Validate Category Name |
| **Requirement** | After admin clicks “Submit” button, the system shall validate “category name”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-257 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-257 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error message if input fields are invalid. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Product Categories

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### Click “Product Categories” Button

|  |  |
| --- | --- |
| **Identifier** | FR-258 |
| **Title** | Click “Product Categories” Button |
| **Requirement** | The admin shall be able to click on “Product Categories” button on Admin portal. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, navigate to Product Categories page. |
| **Business Rule** |  |
| **Dependencies** | FR-259 |
| **Priority** | High |

### Display List of Product Categories

|  |  |
| --- | --- |
| **Identifier** | FR-2592 |
| **Title** | Display List of Product Categories |
| **Requirement** | After clicking “Product Categories” button, the system shall display “Product Categories” page. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the product categories to allow them to manage them. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Edit Product Category

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### Select Product Category

|  |  |
| --- | --- |
| **Identifier** | FR-260 |
| **Title** | Select Product Category |
| **Requirement** | The admin shall be able to select a “Product Category” on “Product Categories” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a product category to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-261 |
| **Priority** | High |

### Display Dialog

|  |  |
| --- | --- |
| **Identifier** | FR-262 |
| **Title** | Display Dialog |
| **Requirement** | After clicking “Edit” button, the system shall display a dialog for editing “Product Category”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, see the form for editing “Product Category”. |
| **Business Rule** |  |
| **Dependencies** | FR-263, FR-264 |
| **Priority** | High |

### Update Category Name

|  |  |
| --- | --- |
| **Identifier** | FR-263 |
| **Title** | Update Category Name |
| **Requirement** | The admin shall be able to enter category name. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter category name for new category. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Category Name

|  |  |
| --- | --- |
| **Identifier** | FR-265 |
| **Title** | Validate Category Name |
| **Requirement** | After admin clicks “Submit” button, the system shall validate “category name”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-266 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-266 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error message if input fields are invalid. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Delete Product Category



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### Display List of Product Categories

|  |  |
| --- | --- |
| **Identifier** | FR-267 |
| **Title** | Display List of Product Categories |
| **Requirement** | Admin shall be able to view “List of Product Categories” after pressing the “Product Categories” link. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To show product categories in system. |
| **Business Rule** |  |
| **Dependencies** | FR-268 |
| **Priority** | High |

### Select Product Category

|  |  |
| --- | --- |
| **Identifier** | FR-268 |
| **Title** | Select Product Category |
| **Requirement** | Admin shall be able to select a “Product Category” from “List of Product Categories”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, perform actions on “Product Category” such as edit and delete. |
| **Business Rule** |  |
| **Dependencies** | FR-269 |
| **Priority** | High |

### Displays Confirmation Dialog Box

|  |  |
| --- | --- |
| **Identifier** | FR-270 |
| **Title** | Displays Confirmation Dialog Box |
| **Requirement** | When admin click “Delete” button, the system shall display a dialog box to confirm the delete action. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To warn user that this delete action is permanent and cannot be reverted, and make sure “Delete” button was not pressed accidentally. |
| **Business Rule** |  |
| **Dependencies** | FR-271 |
| **Priority** | High |

## Create Service Category

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### Display Dialog

|  |  |
| --- | --- |
| **Identifier** | FR-273 |
| **Title** | Display Dialog |
| **Requirement** | After clicking “Add New” button, the system shall display a dialog for creating Service category. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, see the form for creating “Service Category”. |
| **Business Rule** |  |
| **Dependencies** | FR-274, FR-275 |
| **Priority** | High |

### Enter Category Name

|  |  |
| --- | --- |
| **Identifier** | FR-274 |
| **Title** | Enter Category Name |
| **Requirement** | The admin shall be able to enter category name. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter category name for new category. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Category Name

|  |  |
| --- | --- |
| **Identifier** | FR-276 |
| **Title** | Validate Category Name |
| **Requirement** | After admin clicks “Submit” button, the system shall validate “category name”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-277 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-277 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error message if input fields are invalid. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Service Categories

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### Display List of Service Categories

|  |  |
| --- | --- |
| **Identifier** | FR-279 |
| **Title** | Display List of Service Categories |
| **Requirement** | After clicking “Service Categories” button, the system shall display “Service Categories” page. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the Service categories to allow them to manage them. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Edit Service Category

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### Select Service Category

|  |  |
| --- | --- |
| **Identifier** | FR-280 |
| **Title** | Select Service Category |
| **Requirement** | The admin shall be able to select a “Service Category” on “Service Categories” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a Service category to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-281 |
| **Priority** | High |

### Display Dialog

|  |  |
| --- | --- |
| **Identifier** | FR-282 |
| **Title** | Display Dialog |
| **Requirement** | After clicking “Edit” button, the system shall display a dialog for editing “Service Category”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, see the form for editing “Service Category”. |
| **Business Rule** |  |
| **Dependencies** | FR-283, FR-284 |
| **Priority** | High |

### Update Category Name

|  |  |
| --- | --- |
| **Identifier** | FR-283 |
| **Title** | Update Category Name |
| **Requirement** | The admin shall be able to enter category name. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter category name for new category. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Category Name

|  |  |
| --- | --- |
| **Identifier** | FR-285 |
| **Title** | Validate Category Name |
| **Requirement** | After admin clicks “Submit” button, the system shall validate “category name”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-286 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-286 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error message if input fields are invalid. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Delete Service Category



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### Display List of Service Categories

|  |  |
| --- | --- |
| **Identifier** | FR-287 |
| **Title** | Display List of Service Categories |
| **Requirement** | Admin shall be able to view “List of Service Categories” after pressing the “Service Categories” link. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To show Service categories in system. |
| **Business Rule** |  |
| **Dependencies** | FR-288 |
| **Priority** | High |

### Select Service Category

|  |  |
| --- | --- |
| **Identifier** | FR-288 |
| **Title** | Select Service Category |
| **Requirement** | Admin shall be able to select a “Service Category” from “List of Service Categories”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, perform actions on “Service Category” such as edit and delete. |
| **Business Rule** |  |
| **Dependencies** | FR-289 |
| **Priority** | High |

### Displays Confirmation Dialog Box

|  |  |
| --- | --- |
| **Identifier** | FR-290 |
| **Title** | Displays Confirmation Dialog Box |
| **Requirement** | When admin click “Delete” button, the system shall display a dialog box to confirm the delete action. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To warn user that this delete action is permanent and cannot be reverted, and make sure “Delete” button was not pressed accidentally. |
| **Business Rule** |  |
| **Dependencies** | FR-291 |
| **Priority** | High |

## Create Product Tag

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### Display Dialog

|  |  |
| --- | --- |
| **Identifier** | FR-293 |
| **Title** | Display Dialog |
| **Requirement** | After clicking “Add New” button, the system shall display a dialog for creating Product Tags. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, see the form for creating “Product Tags”. |
| **Business Rule** |  |
| **Dependencies** | FR-294, FR-295 |
| **Priority** | High |

### Enter Tag Name

|  |  |
| --- | --- |
| **Identifier** | FR-294 |
| **Title** | Enter Tag Name |
| **Requirement** | The admin shall be able to enter tag name. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter tag name for new Tag. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Validate Tag Name

|  |  |
| --- | --- |
| **Identifier** | FR-296 |
| **Title** | Validate Tag Name |
| **Requirement** | After admin clicks “Submit” button, the system shall validate “Tag name”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-297 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-297 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error message if input fields are invalid. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## View Product Tags

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### Display List of Product Tags

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| --- | --- |
| **Identifier** | FR-299 |
| **Title** | Display List of Product Tags |
| **Requirement** | After clicking “Product Tags” button, the system shall display “Product Tags” page. |
| **Source** | COMSATS Computer Science Department (Client)  Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, view the Product Tags to allow them to manage them. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Edit Product Tag

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### Select Product Tag

|  |  |
| --- | --- |
| **Identifier** | FR-300 |
| **Title** | Select Product Tag |
| **Requirement** | The admin shall be able to select a “Product Tag” on “Product Tags” page. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, select a Product Tag to make them able to perform actions on it. |
| **Business Rule** |  |
| **Dependencies** | FR-301 |
| **Priority** | High |

### Display Dialog

|  |  |
| --- | --- |
| **Identifier** | FR-302 |
| **Title** | Display Dialog |
| **Requirement** | After clicking “Edit” button, the system shall display a dialog for editing “Product Tag”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, see the form for editing “Product Tag”. |
| **Business Rule** |  |
| **Dependencies** | FR-303, FR-304 |
| **Priority** | High |

### Update Product Tag Name

|  |  |
| --- | --- |
| **Identifier** | FR-303 |
| **Title** | Update Product Tag Name |
| **Requirement** | The admin shall be able to enter Product Tag name. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, enter Product Tag name for new Product Tag. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

### Clicks "Submit" Button

|  |  |
| --- | --- |
| **Identifier** | FR-304 |
| **Title** | Click “Submit” Button |
| **Requirement** | The admin shall be able to click on “Submit” button after entering Product Tag Name. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, submit information for new Product Tag. |
| **Business Rule** |  |
| **Dependencies** | FR-305 |
| **Priority** | High |

### Validate Product Tag Name

|  |  |
| --- | --- |
| **Identifier** | FR-305 |
| **Title** | Validate Product Tag Name |
| **Requirement** | After admin clicks “Submit” button, the system shall validate “Product Tag Name”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To validate input fields submitted by user to make sure they are in right format. |
| **Business Rule** |  |
| **Dependencies** | FR-306 |
| **Priority** | High |

### Display Error Message

|  |  |
| --- | --- |
| **Identifier** | FR-306 |
| **Title** | Display Error Message |
| **Requirement** | The system shall generate error message if input fields are invalid. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, know about his/her invalid input so that it could be re-entered correctly. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Delete Product Tag



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### Display List of Product Tags

|  |  |
| --- | --- |
| **Identifier** | FR-307 |
| **Title** | Display List of Product Tags |
| **Requirement** | Admin shall be able to view “List of Product Tags” after pressing the “Product Tags” link. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To show Product Tags in system. |
| **Business Rule** |  |
| **Dependencies** | FR-308 |
| **Priority** | High |

### Select Product Tag

|  |  |
| --- | --- |
| **Identifier** | FR-308 |
| **Title** | Select Product Tag |
| **Requirement** | Admin shall be able to select a “Service Category” from “List of Product Tags”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let seller, perform actions on “Product Tag” such as edit and delete. |
| **Business Rule** |  |
| **Dependencies** | FR-309 |
| **Priority** | High |

### Click “Delete” Button

|  |  |
| --- | --- |
| **Identifier** | FR-309 |
| **Title** | Click “Delete” Button |
| **Requirement** | Admin shall be able to click on “delete” button of selected “Product Tag” from “List of Product Tags”. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let user, remove the Product Tags from the system. |
| **Business Rule** |  |
| **Dependencies** | FR-310 |
| **Priority** | High |

### Displays Confirmation Dialog Box

|  |  |
| --- | --- |
| **Identifier** | FR-310 |
| **Title** | Displays Confirmation Dialog Box |
| **Requirement** | When admin click “Delete” button, the system shall display a dialog box to confirm the delete action. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To warn user that this delete action is permanent and cannot be reverted, and make sure “Delete” button was not pressed accidentally. |
| **Business Rule** |  |
| **Dependencies** | FR-311 |
| **Priority** | High |

## Ban Buyer



### Select Buyer

|  |  |
| --- | --- |
| **Identifier** | FR-312 |
| **Title** | Select Buyer |
| **Requirement** | The moderator shall be able to select the buyer account from the system. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let moderator, specify which buyer to ban. |
| **Business Rule** |  |
| **Dependencies** | FR-313 |
| **Priority** | High |

### Display Buyer Profile

|  |  |
| --- | --- |
| **Identifier** | FR-313 |
| **Title** | Display Buyer Profile |
| **Requirement** | The system shall display the buyer account after clicking Buyer’s profile. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let moderator, specify which buyer to ban. |
| **Business Rule** |  |
| **Dependencies** | FR-314 |
| **Priority** | High |

### Displays Confirmation Dialog Box

|  |  |
| --- | --- |
| **Identifier** | FR-315 |
| **Title** | Displays Confirmation Dialog Box |
| **Requirement** | When moderator clicks “Ban” button, the system shall display a dialog box to confirm the Ban action. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To warn user that this Ban action is permanent and cannot be reverted, and make sure “Ban” button was not pressed accidentally. |
| **Business Rule** |  |
| **Dependencies** | FR-316 |
| **Priority** | High |

## Ban Seller

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### Select Seller

|  |  |
| --- | --- |
| **Identifier** | FR-317 |
| **Title** | Select Seller |
| **Requirement** | The moderator shall be able to select the seller account from the system. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let moderator, specify which seller to ban. |
| **Business Rule** |  |
| **Dependencies** | FR-318 |
| **Priority** | High |

### Display Seller Profile

|  |  |
| --- | --- |
| **Identifier** | FR-318 |
| **Title** | Display Seller Profile |
| **Requirement** | The system shall display the seller account after clicking Seller’s profile. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let moderator, specify which seller to ban. |
| **Business Rule** |  |
| **Dependencies** | FR-319 |
| **Priority** | High |

### Displays Confirmation Dialog Box

|  |  |
| --- | --- |
| **Identifier** | FR-320 |
| **Title** | Displays Confirmation Dialog Box |
| **Requirement** | When moderator clicks “Ban” button, the system shall display a dialog box to confirm the Ban action. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To warn user that this Ban action is permanent and cannot be reverted, and make sure “Ban” button was not pressed accidentally. |
| **Business Rule** |  |
| **Dependencies** | FR-321 |
| **Priority** | High |

### Click “Confirm” Button

|  |  |
| --- | --- |
| **Identifier** | FR-321 |
| **Title** | Click “Confirm” Button |
| **Requirement** | The moderator shall be able to click “confirm” button to verify Ban action. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let moderator, confirm the “Ban” action. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Follow Shop



### Display Shop Page

|  |  |
| --- | --- |
| **Identifier** | FR-322 |
| **Title** | Display Shop Page |
| **Requirement** | The system shall display shop page after buyer clicks on a specific shop. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, view the seller’s shop page. |
| **Business Rule** |  |
| **Dependencies** | FR-323 |
| **Priority** | High |

### Click Follow Button

|  |  |
| --- | --- |
| **Identifier** | FR-323 |
| **Title** | Click Follow Button |
| **Requirement** | The Buyer shall be able to follow seller’s shop after clicking the “Follow” button against the shop. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, notifies about the followed shop. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

## Unfollow Shop



### Display Shop Page

|  |  |
| --- | --- |
| **Identifier** | FR-324 |
| **Title** | Display Shop Page |
| **Requirement** | The system shall display shop page after buyer clicks on a specific shop. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, view the seller’s shop page. |
| **Business Rule** |  |
| **Dependencies** | FR-325 |
| **Priority** | High |

### Click Unfollow Button

|  |  |
| --- | --- |
| **Identifier** | FR-325 |
| **Title** | Click Unfollow Button |
| **Requirement** | The Buyer shall be able to Unfollow seller’s shop after clicking the “Unfollow” button against the shop. |
| **Source** | COMSATS Computer Science Department (Client) Mr. M Rashid Mukhtar (Supervisor) |
| **Rationale** | To let buyer, stop getting notifications about the followed shop. |
| **Business Rule** |  |
| **Dependencies** |  |
| **Priority** | High |

# Non-Functional Requirements

## Usability

|  |  |
| --- | --- |
| **USA-1** | The admin, moderator and seller shall be able to learn all the functionalities of their portal within 3 hours of continuous use. |
| **USA-2** | The buyer shall be able to learn all the functionalities of main site within 1 hour of continuous use. |
| **USA-3** | User shall be familiar with all metaphors used in the system. |
| **USA-4** | User shall be able to understand the errors they made with help of informative error messages generated by the system. |

## Availability

|  |  |
| --- | --- |
| **AVA-1** | The system shall maintain 99.671% uptime yearly. |
| **AVA-2** | The system down time shall not exceed 28.8 hours yearly. |

## Performance

|  |  |
| --- | --- |
| **PER-1** | The system shall be able to handle up to 100 concurrent users. |
| **PER-2** | 90% of webpages generated by the System shall download completely within 4 seconds from the time the user requests the page over a 10 Mbps or faster Internet connection. |
| **PER-3** | The database system shall be able to provide capacity of 1 GB in size or 20 million rows for each individual table. |
| **PER-4** | The system response time shall not exceed 1 second. |

## Security

|  |  |
| --- | --- |
| **SEC-1** | The system shall lock a user’s account after four consecutives unsuccessful login attempts within a period of five minutes. |
| **SEC-2** | Only users who have Admin access privileges shall be able to view seller and buyer’s transaction histories in Admin portal. |

# References

**There are no sources in the current document.**