

SDA - Quiz 02
Fully Dressed Use Cases
BSSE-4-A

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Class: BSSE-F-22-A

March 26, 2024

Table 1: Use Case UC001: Register Account

Use Case ID: UC001		
Use Case Name: Register Account		
Created By: Muhammad Faseeh		
Last Updated By: Muhammad Faseeh		
Date Created: March 22, 2024		
Last Revision Date: March 23, 2024		
Actors:	User (Primary Actor), CharitE App System	
Description:	This use case describes how a user can register an CharitE account in the CharitE app.	
Trigger:	The trigger for this use case is a new user want to register an CharitE account.	
Preconditions:	<ul style="list-style-type: none"> - The charitE app is accessible and operational. - The user has no existing CharitE account. 	
Post Conditions:	<ul style="list-style-type: none"> - The user can successfully register CharitE account with CharitE app. - The user can review his registering information in his CharitE account in CharitE app. 	
Normal Flow:	<ol style="list-style-type: none"> 1. User: Opens the CharitE app and press the Sign Up button to register the account. 3. User: enters his information to register his account and submits the form. 	<ol style="list-style-type: none"> 2. CharitE App System: Displays the user registration form and allows the user to enter details. 4. CharitE App System: successfully verifies the information provided. 5. CharitE App System: Registers the user account successfully.
Alternative Flow:	<ol style="list-style-type: none"> 3a. User wants to change its information that he provided. 	<ol style="list-style-type: none"> 1. User open his account information and request to edit its information. 2. User edit his information and submits the request to verify his information again. 3. CharitE App System: successfully verifies the changed information and update its database with user's new record.
Exceptions:	<ul style="list-style-type: none"> - If an error occurs while registering the user account, the charitE app displays an error message and prompts the user to try again later or report the issue to the App management. - If CharitE app system won't be able to verify user information based on incorrect information then CharitE app displays an error to user to correct that information that won't be able to verify. - User don't want to register CharitE account. CharitE app system displays the user a form to enter the reason of not registering account. 	

Table 2: Use Case UC002: Login Account

Use Case ID: UC002		
Use Case Name: Login Account		
Created By: Muhammad Faseeh		
Last Updated By: Muhammad Faseeh		
Date Created: March 22, 2024		
Last Revision Date: March 24, 2024		
Actors:	User (Primary Actor), CharitE App System	
Description:	This use case describes how a user can login his CharitE account in the CharitE app.	
Trigger:	The trigger for this use case is any user want to login his CharitE account.	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The user has existing CharitE account. 	
Post Conditions:	<ul style="list-style-type: none"> - The user can successfully login his CharitE account with CharitE app. 	
Normal Flow:	<ol style="list-style-type: none"> 1. User: Opens the charity app and enter his login credentials 2. User: enters the login button to login his CharitE account. 	<ol style="list-style-type: none"> 3. CharitE App System: verifies the user's credentials and displays the user his account in app dashboard.
Alternative Flow:	<ol style="list-style-type: none"> 2a. User doesn't want to login his account. 	<ol style="list-style-type: none"> 1. User decides not to login to his CharitE account. 2. User: closes the app. 3. CharitE app system: refreshes itself to remove the login credentials in the app if entered by user.
Exceptions:	<ul style="list-style-type: none"> - If an error occurs while logging in CharitE account, the CharitE app displays an error message and prompts the user to check network connectivity and try again later. 	

Table 3: Use Case UC003: Link Bank Account

Use Case ID: UC003		
Use Case Name: Link Bank Account		
Created By: Muhammad Faseeh		
Last Updated By: Muhammad Faseeh		
Date Created: March 22, 2024		
Last Revision Date: March 24, 2024		
Actors:	User (Primary Actor), CharitE App System	
Description:	This use case describes how a user can link his Bank account with his CharitE account in the CharitE app.	
Trigger:	The trigger for this use case is a new user that want to connect his bank account with his CharitE account.	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The user has not link his bank account with his CharitE account yet. 	
Post Conditions:	- The user can successfully connect his bank account with his CharitE account in CharitE app	
Normal Flow:	<ol style="list-style-type: none"> 1. User: Opens the charity app and navigates to the link bank account in the account settings section in CharitE app. 4. User: enters the bank account number and confirms it. 6. User: approved the request through his bank account and waits for the confirmation. 	<ol style="list-style-type: none"> 2. CharitE App System: Displays the user's current linking bank account information (which is null) and allows the user to link his bank account. 3. CharitE app system: Asks the user's to enter his bank account number or IBAN. 5. CharitE App System: verifies the account number and send an approval to that bank account User. 7. CharitE App System: received approval and linked the bank account successfully.
Alternative Flow:	<ol style="list-style-type: none"> 3a.CharitE app system: Asks the user's to enter his bank account number or IBAN. 	<ol style="list-style-type: none"> 1. User enters his IBAN and confirms it. 2. CharitE App System verifies the IBAN and send an approval to that bank account User. 3. User: approved the request through his bank account and waits for the confirmation. 4. CharitE App System: received approval and linked the bank account successfully.
Exceptions:	<ul style="list-style-type: none"> - If CharitE app system failed to verifies the account number based on wrong bank account number, then it displays an error message to enter the valid bank account number. - If User denied the approval then CharitE app system displays the user a message that approval request denied, you can try again later. 	

Table 4: Use Case UC004: Change Password

Use Case ID: UC004		
Use Case Name: Change Password		
Created By: Muhammad Faseeh		
Last Updated By: Muhammad Faseeh		
Date Created: March 22, 2024		
Last Revision Date: March 24, 2024		
Actors:	User (Primary Actor), CharitE App System	
Description:	This use case describes how a user can change password of his CharitE account.	
Trigger:	The trigger for this use case is any user that forgot his password and want to change his password to logging in to his CharitE account.	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The user has forgot his password. 	
Post Conditions:	- The user can successfully change his password of his CharitE account login credentials.	
Normal Flow:	<ol style="list-style-type: none"> 1. User: Opens the charity app and clicks on forgotten password. 2. User: enters his login Id to change his password. 3. User: confirms his mobile number. 5. User: enters new password and re-enter it again to confirm password. 	<ol style="list-style-type: none"> 3. CharitE App System: verifies the user's login Id and displays the user his mobile number to send him an OTP. 4. CharitE App System: sends the user OTP and retrieve the OTP from auto-read messages. 6. CharitE App System: updated user's password successfully.
Alternative Flow:	NILL	
Exceptions:	- If an error occurs while changing the password, the CharitE app displays an error message to try again later due to internet dis-connectivity or other..	

Table 5: Use Case UC005: Provide Unique Wallet Address

Use Case ID: UC005		
Use Case Name: Provide Unique Wallet Address		
Created By: Muhammad Faseeh		
Last Updated By: Muhammad Faseeh		
Date Created: March 22, 2024		
Last Revision Date: March 26, 2024		
Actors:	User (Primary Actor), CharitE App System	
Description:	This use case describes how CharitE App System provides a Unique Wallet address to a recently opened CharitE account.	
Trigger:	The trigger for this use case is a new user that registered a CharitE account recently.	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The user has recently opened a CharitE account. 	
Post Conditions:	<ul style="list-style-type: none"> - The user has been successfully provided a CharitE unique wallet address to his CharitE account. 	
Normal Flow:	<ol style="list-style-type: none"> 1. User: Opens the CharitE App and registered himself successfully. 6. User: Receives the notification or confirmation message containing the unique wallet address. 7. User: Reviews the registering information, including the unique wallet address, before finalizing it. 8. User: Confirms the registration details, including the unique wallet address, to complete the registration process. 	<ol style="list-style-type: none"> 2. CharitE App System: Detects that a new user has successfully registered a CharitE account. 3. CharitE App System: Generates a unique wallet address for the newly registered user. 4. CharitE App System: Associates the unique wallet address with the user's CharitE account. 5. CharitE App System: Sends a notification or confirmation to the user regarding the successful generation of the unique wallet address. 9. CharitE App System: Updates the user's CharitE account status as registered with a unique wallet address. 10. CharitE App System: Allows the user to access and utilize the CharitE platform using the provided unique wallet address.
Alternative Flow:	NILL	
Exceptions:	<ul style="list-style-type: none"> - If the CharitE App System is not accessible or operational, display an error message and prompt the user to try again later. - If the user's registration information is incomplete or contains errors, prompt the user to correct the information before proceeding. - If there are technical issues generating the unique wallet address, notify the user and provide assistance or alternative options. - If the user decides to cancel the registration process after receiving the unique wallet address, allow them to do so and update the CharitE account status accordingly. 	

Table 6: Use Case UC006: Access Transaction History

Use Case ID: UC006		
Use Case Name: Access Transaction History		
Created By: Danial Saleem		
Last Updated By: Danial Saleem		
Date Created: March 23, 2024		
Last Revision Date: March 23, 2024		
Actors:	User (Primary Actor), CharitE App System	
Description:	This use case describes how a user can view his transaction history.	
Trigger:	The trigger for this use case is a user wanting to overlook his overall transactions.	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The user is logged into their account. 	
Post Conditions:	<ul style="list-style-type: none"> - The user successfully views his transaction history. - The user can review the transactions made. 	
Normal Flow:	1. User: Opens the CharitE app and navigates to the account settings section. 3. User: Views his/her transaction history. 5. User: Overlooks and can report if Find any transaction ambiguous.	2. CharitE App System: Displays the user's current account settings and allows the user to view transaction history. 4. CharitE App System: Opens a screen with all the transaction history.
Alternative Flow:	3a. User wants to cancel report	1. User decides not to report. 2. Charity App System: Discards the changes and restores the previous settings.
Exceptions:	<ul style="list-style-type: none"> - If an error occurs while fetching transaction history, the CharitE app displays an error message with proper explanation of the error and prompts the user to try again later or report the issue to the admin. 	

Table 7: Use Case UC007: Manage Account

Use Case ID: UC007		
Use Case Name: Manage Account		
Created By: Danial Saleem		
Last Updated By: Danial Saleem		
Date Created: March 23, 2024		
Last Revision Date: March 23, 2024		
Actors:	User (Primary Actor), CharitE App System	
Description:	This use case describes how a user can Manage his Account.	
Trigger:	The trigger for this use case is a user wanting to Manage his Account.	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The user is logged into their account. 	
Post Conditions:	<ul style="list-style-type: none"> - -The user's can view his current account settings. - The user can update or change his account setting. 	
Normal Flow:	1. User: Opens the charity app and navigates to the account settings section. 3. User: Views his/her Account Settings. 5. User: Overlooks his account setting and save his settings.	2. CharitE App System: Displays the user's current account settings. 4. CharitE App System: The App allows the user to view and update his account settings.
Alternative Flow:	3a. User decides not to change the settings.	1. User Choose unsave the settings. 2. CharitE App System: Restore the previous setting of the App.
Exceptions:	<ul style="list-style-type: none"> - If an error occurs while fetching Account Settings, the CharitE app displays an error message and prompts the user to try again later or report the issue to the admin. 	

Table 8: Use Case UC008: Calculate Zakat

Use Case ID: UC008		
Use Case Name: Calculate Zakat		
Created By: Danail Saleem		
Last Updated By: Danail Saleem		
Date Created: March 23, 2024		
Last Revision Date: March 23, 2024		
Actors:	User (Primary Actor), CharitE App System	
Description:	This use case describes how a user can calculate zakat.	
Trigger:	The trigger for this use case is a user wanting to calculate his/her zakat and lend a helping hand.	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The user is logged into their account. 	
Post Conditions:	<ul style="list-style-type: none"> - The user has calculated his zakat - The User can donate now or later. 	
Normal Flow:	1. User: Opens the CharitE app and goes to the settings tab. 3. User: Provides input of all his assets like, gold and silver owned.	2. CharitE App System: Displays the user's account and an option to calculate zakat. 4. CharitE App system: Calculates and displays the zakat.
Alternative Flow:	3a. User has prompt wrong inputs	1. User has entered wrong input. 2. CharitE App System: The app allows the user to change the inputs before pressing the calculate button.
Exceptions:	- If an error occur while calculating Zakat, the system prompts an error with full detail of error. Please try again.	

Table 9: Use Case UC009: Interact with other users.

Use Case ID: UC009		
Use Case Name: Interact with Other Users		
Created By: Danial Saleem		
Last Updated By: Danial Saleem		
Date Created: March 23, 2024		
Last Revision Date: March 23, 2024		
Actors:	User (Primary Actor), CharitE App System	
Description:	This use case describes how a user can interact with other user's posts.	
Trigger:	The trigger for this use case is a user wanting to explore the recent crisis and lend a helping hand.	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The user is logged into their account. 	
Post Conditions:	<ul style="list-style-type: none"> - The user can view posts. -The user can respond to the other users. 	
Normal Flow:	1. User: Opens the CharitE app. 3. User: Can like, comment or donate to a post.	2. CharitE App System: Displays the user's feed which has other user's posts.
Alternative Flow:	3a. User wants to delete a comment	1. User has entered wrong comment. User holds on the comment 2. CharitE App System: displays a menu allowing user to edit or delete comment.
Exceptions:	- If an error occur while registering user comment, the CharitE app reloads the feed and displays a toast saying Internet connection disrupted.	

Table 10: Use Case UC010: Make a Post.

Use Case ID: UC010		
Use Case Name: Make a Post		
Created By: Danial Saleem		
Last Updated By: Danial Saleem		
Date Created: March 23, 2024		
Last Revision Date: March 23, 2024		
Actors:	Receiver (Primary Actor), CharitE App System	
Description:	This use case describes how a receiver can make a post to receive donations.	
Trigger:	The trigger for this use case is a receiver needs money to fulfill the basic needs of his life.	
Preconditions:	<ul style="list-style-type: none"> - The charitE app is accessible and operational. - The user is logged into their account. - The user has verified his account. 	
Post Conditions:	<ul style="list-style-type: none"> - The receiver has successfully made the post - The Post is visible to others. 	
Normal Flow:	1. Receiver: Opens the CharitE app and goes to the Post tab. 3. User: fills the form and clicks on the post button.	2. CharitE App System: Displays a form allowing user to enter title, amount needed and specify a reason. 4. CharitE App system: Makes the post visible to others.
Alternative Flow:	3a. User wants to delete a post.	1. User has entered wrong input. 2. Charity App System: The app allows the creator of the post to delete a post by clicking on the three dots button and pressing delete post button.
Exceptions:	- If an error occur while posting, the system prompts an error with complete detail of the error like network error. Please try again.	

Table 11: Use Case UC011: Change Language

Use Case ID: UC011		
Use Case Name: Change Language		
Created By: Maarij Bukhari		
Last Updated By: Maarij Bukhari		
Date Created: March 22, 2024		
Last Revision Date: March 23, 2024		
Actors:	User (Primary Actor), CharitE App System	
Description:	This use case describes how a user can change the language of an app.	
Trigger:	The trigger for this use case is a user facing trouble understanding post written in other language.	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The user is logged into their account. 	
Post Conditions:	<ul style="list-style-type: none"> - The receiver has successfully changed the language - The Content language of the app is changed. 	
Normal Flow:	1. User: Opens the CharitE app and goes to the accounts tab. 3. User: Clicks the button and changes the language. 4. CharitE App system: Changes the app language.	2. CharitE App System: Displays a button that allows user to toggle language between English and Urdu.
Alternative Flow:	3a. User wants to change the language back to default.	1. User goes to the account tab again and clicks the change language button. 2. Charity App System: Toggles the language.
Exceptions:	- If an error occur while changing the language, the system throws an error saying language cannot be changed at the moment. Please try later.	

Table 12: Use Case UC012: Choose Interests

Use Case ID: UC012		
Use Case Name: Choose Interests		
Created By: Maarij Bukhari		
Last Updated By: Maarij Bukhari		
Date Created: March 22, 2024		
Last Revision Date: March 23, 2024		
Actors:	Donor (Primary Actor), CharitE App System	
Description:	This use case describes how a user can select his interests to filter out his feed.	
Trigger:	-	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The user is signing up for his account. 	
Post Conditions:	<ul style="list-style-type: none"> - The donor has filtered out his fee. - Feed is shown according to the selected fields. 	
Normal Flow:	1. Donor: Starts signing up for the CharitE app. 3. User: Selects the fields of his interest. 4. CharitE App system: Filter outs the field.	2. CharitE App System: Displays a menu screen to user to select his field of interests.
Alternative Flow:	3a. User wants to change the interests later.	1. User goes to the account tab again and my profile button. There he clicks on the change interest button and selects the field again. 2. Charity App System: Refreshes the feed.
Exceptions:	- If an error occur while changing the fields, the system displays an error message saying cannot change interests at the moment.	

Table 13: Use Case UC013: Create PIN

Use Case ID: UC013		
Use Case Name: Create PIN		
Created By: Maarij Bukhari		
Last Updated By: Maarij Bukhari		
Date Created: March 22, 2024		
Last Revision Date: March 23, 2024		
Actors:	Donor (Primary Actor), CharitE App System	
Description:	This use case describes how a user can Create a PIN for his transactions.	
Trigger:	-	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The donor is signing up for his account. 	
Post Conditions:	<ul style="list-style-type: none"> - The donor has successfully created his PIN. 	
Normal Flow:	1. Donor: Starts signing up for the CharitE app. 3. User: Creates the PIN.	2. CharitE App System: Displays a form field to create a PIN for his transactions.
Alternative Flow:	3a. User wants to change his/her PIN. 3. Donor: Enters the Previous PIN.	1. User goes to the account tab again and clicks on change PIN button 2. CharitE App System: Asks for the previous PIN. 4. CharitE App System: Checks if the previous pin entered is correct or not, then displays field to create new PIN. 5. Donor: Creates the new PIN.
Exceptions:	- If an error occur while changing the PIN, the system prompts the user to change the PIN or recheck the entered PIN.	

Table 14: Use Case UC014: Deposit Funds

Use Case ID: UC014		
Use Case Name: Deposit Funds		
Created By: Maarij Bukhari		
Last Updated By: Maarij Bukhari		
Date Created: March 22, 2024		
Last Revision Date: March 23, 2024		
Actors:	Donor (Primary Actor), CharitE App System	
Description:	This use case describes how a user can deposit funds to his E-wallet.	
Trigger:	-	
Preconditions:	<ul style="list-style-type: none"> - The CharitE app is accessible and operational. - The donor is has verified his account. 	
Post Conditions:	- The donor has successfully deposited funds to his wallet.	
Normal Flow:	1. Donor: Go to the My account tab and clicks on "MY E-wallet". 3. User: Selects Deposit funds and deposits funds to his E-wallet.	2. CharitE App System: displays menu items for "Depositing funds and Withdrawing funds".
Alternative Flow:	NIL	
Exceptions:	- If an error occur while depositing funds, the system displays error 404.	

Table 15: Use Case UC015: Withdraw Funds

Use Case ID: UC015		
Use Case Name: Withdraw Funds		
Created By: Maarij Bukhari		
Last Updated By: Maarij Bukhari		
Date Created: March 22, 2024		
Last Revision Date: March 23, 2024		
Actors:	Receiver (Primary Actor), CharitE App System	
Description:	This use case describes how a receiver can withdraw funds from his E-wallet.	
Trigger:	-	
Preconditions:	- The CharitE app is accessible and operational. - The receiver has verified his account.	
Post Conditions:	- The donor has successfully withdrawn funds from his E-wallet.	
Normal Flow:	1. Receiver: Go to the My account tab and clicks on "MY E-wallet". 3. Receiver: Selects Withdraw funds and withdraws his E-wallet.	2. CharitE App System: displays menu items for "Depositing funds and Withdrawing funds".
Alternative Flow:	NIL	
Exceptions:	- If an error occur while withdrawing funds, the system displays error 404.	