BCEO Use Cases

Team name

      BOO (Business in Online and Offline)

Android App Title

      BCEO (be a CEO of your own trustworthy second-hand market)

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List of Use Cases

Use Case ID	Use Case Name	Frequency
SIGN-UP	Sign up	Low
AUTH-USR	Authenticate User	High
SRCH-GRP	Search Group	Low
JOIN-GRP	Join Group	Low
ENTR-GRP	Enter Group	High
SWTCH-GRP	Switch out Group	Medium
READ-ITEM	Read Item	High
CREATE-ITEM	Create Item	High
UPDATE-ITEM	Update Item	High
DELETE-ITEM	Delete Item	High
SEARCH-ITEM	Search Item	High
GET-NOTI	Get Notification	High
SEND-NOTI	Send Notification	High

LEAVE-GRP	Leave Group	Low

User Requirements Model – Detailed Use Case Specifications

Table 1 Use Case Details - SIGN-UP: Sign up

Use Case ID: SIGN-UP	Use Case Name: Sign up
Primary Actor(s):	All BCEO user want to be
Secondary Actor(s):	N/A
Description:	Sign up the user with username and password into BCEO system
Preconditions:	Sign up display page is available and waiting for user input for user ID (email address) and password text fields
Normal Flow of Events:	1. User enters user ID in ID field textbox and then clicks into password field and enters password 2. User clicks "Sign Up"
Postconditions:	User with given ID and password will be created into BCEO system.
Frequency of Use:	Low
Alternative Flows:	User can clear a misspelled ID or password
Exceptions:	User does not enter data in the ID or password field and is given a message that all fields need to contain information or has entered an invalid ID or password User ID already exists in the system and BCEO will give the user message to use other ID because it exists in the system.
Assumptions:	BCEO is up and running
Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 2 Use Case Details - AUTH-USR: Authenticate User

Use Case ID: AUTH-USR	Use Case Name: Authenticate User
Primary Actor(s):	All authorized users of BCEO
Secondary Actor(s):	N/A
Description:	Requests username and password and authenticates user into BCEO system
Preconditions:	User login display page is available and waiting for user input
Normal Flow of Events:	1. User enters user ID in ID field textbox and then clicks into password field and enters password 2. User clicks "Sign In"
Postconditions:	After step 2, the choosing the group page of BCEO display appears.
Frequency of Use:	High
Alternative Flows:	User can clear a misspelled ID or password
Exceptions:	User does not enter data in the ID or password field and is given a message that all fields need to contain information or has entered an invalid ID or password
Assumptions:	BCEO is up and running, user has obtained a valid ID and password from the system administrator
Issues:	User never has no id or password.
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 3 Use Case Details - SRCH-GRP: Search Group

Use Case ID: SRCH-GRP	Use Case Name: Search Group

Primary Actor(s):	All authorized users of BCEO
Secondary Actor(s):	N/A
Description:	Search a group with given name in BCEO and displays it to the user's group list
Preconditions:	User is already logged in to BCEO and Group GUI is displayed.
Normal Flow of Events:	1. User clicks the "Add Group" drop-down, user can see all the available group list in alphabetical order. 2. User clicks his/her group.
Postconditions:	After step 2, the desired group button with given name appears.
Frequency of Use:	Low
Alternative Flows:	If user push group button for 2 seconds, delete button will appear on the corner so that user can delete a group.
Exceptions:	
Assumptions:	BCEO is up and running
Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 4 Use Case Details - JOIN-GRP: Join Group

Use Case ID: JOIN-GRP	Use Case Name: Join Group
Primary Actor(s):	All authorized users of BCEO
Secondary Actor(s):	N/A
Description:	Join a clicked group in BCEO and add it to the user's group list
Preconditions:	User only can choose groups that exist on BCEO.

Normal Flow of Events:	User clicks the button with group name to join
Postconditions:	Email verification has sent to the user's desired group's domain email address, and verify email message prompt is shown.
Frequency of Use:	Low
Alternative Flows:	User clicks the group. User is already logged in with the group's domain email address. BCEO lets user join the group and add it to the user's group list. User moves onto the main page of BCEO. User clicks the group. BCEO displays dialog with email address field. User fill out the email address with the group's domain. User clicks "Send Verification Email" button.
Exceptions:	User inputs non-existing group name. BCEO displays "group doesn't exist" message
Assumptions:	Group exists in BCEO
Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 5 Use Case Details - ENTR-GRP: Enter Group

Use Case ID: ENTR-GRP	**Use Case Name:** Enter Group
Primary Actor(s):	Authorized member of the group
Secondary Actor(s):	N/A
Description:	Enter into the group's main page
Preconditions:	User is authenticated as a valid member of the group
Normal Flow of Events:	User clicks the button with group name to join
Postconditions:	The main page of the group appears (NewsFeed GUI)
Frequency of Use:	Low

Alternative Flows:	TBD
Exceptions:	N/A
Assumptions:	Group exists in BCEO and appears on user's group list
Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 6 Use Case Details - SWTCH-GRP: Leave Group

Use Case ID: SWTCH-GRP	**Use Case Name:** Switch out Group
Primary Actor(s):	Authorized member of the group
Secondary Actor(s):	N/A
Description:	Leave a group the user is in and redirect the user to the Group selection page
Preconditions:	User is already the member of the group
Normal Flow of Events:	User clicks the leave button to leave the group and the use will be switched out from the group
Postconditions:	User will get redirected to Group Selection page where all available, already joined group lists are shown.
Frequency of Use:	MEDIUM
Alternative Flows:	User clicks the leave button. User clicks cancel button when confirmation dialog appears. User stays in the same page where user clicked the leave button from. User clicks the leave button. User confirms the leave. BCEO displays available group lists that user has joined on Group Page.
Exceptions:	TBD
Assumptions:	User is already inside the group

Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 7 Use Case Details - READ-ITEM: Read Item

Use Case ID: READ-ITEM	**Use Case Name:** Read Item
Primary Actor(s):	Authorized member of the group, potential buyer of the product
Secondary Actor(s):	Seller of the product to check the correctness of item information
Description:	Get the data of the item
Preconditions:	Item's picture is shown as a thumbnail in the main page of the group
Normal Flow of Events:	User clicks the thumbnail to read about the item
Postconditions:	Product page with detailed Item description page appears
Frequency of Use:	High
Alternative Flows:	User clicks on the item. Item has been deleted before description page shows up. BCEO displays error message. User clicks on the item. User gets redirected to Product page.
Exceptions:	User clicks on to the item loaded in the NewsFeed page before the seller deletes the item. BCEO displays "item does not exist" message
Assumptions:	There is one or more items shown on the NewsFeed page to be clicked on.
Issues:	TBD

Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 8 Use Case Details - CREATE-ITEM: Create Item

Use Case ID: CREATE-ITEM	**Use Case Name:** Create Item
Primary Actor(s):	Seller
Secondary Actor(s):	N/A
Description:	Create item, add it into seller's My Shop and add it into Group main page
Preconditions:	Product Create Page is shown with Title, Price, Description field available
Normal Flow of Events:	User fills in all available fields and click upload to create item.
Postconditions:	Product has been created, added to the database, added to My Shop and news feed (Group main page) and detailed Item description page appears to user
Frequency of Use:	High
Alternative Flows:	User clicks on "sell" button. Item has been uploaded and the user is redirected to My Shop page with item added and shown on the page. User clicks on the item. User gets redirected to detailed item description page.
Exceptions:	User does not enter data in the all fields given and is given a message that all fields need to contain information User has entered an invalid format for any of the field
Assumptions:	There is one or more items shown on the Group main page to be clicked on.
Issues:	TBD

Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 9 Use Case Details - UPDATE-ITEM: Update Item

Use Case ID: UPDATE-ITEM	Use Case Name: Update Item
Primary Actor(s):	Seller
Secondary Actor(s):	N/A
Description:	Update item
Preconditions:	Product Update Page is shown with Title, Price, Description field filled in with saved materials
Normal Flow of Events:	User fills in all available fields and click upload to update item.
Postconditions:	Product has been updated with newly filled descriptions, and My Shop and database information are all updated
Frequency of Use:	High
Alternative Flows:	User clicks on "update" button. Item has been updated and the user is redirected to Product Page (detailed Item page) with updated descriptions shown on the page. User clicks cancel and goes back to the Product Page.
Exceptions:	User has entered an invalid format for any of the field and BCEO gives error message
Assumptions:	There is an item already created so that user can update. All fields are already filled with pre-update descriptions.
Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 10 Use Case Details - DELETE-ITEM: Delete Item

Use Case ID: DELETE-ITEM	Use Case Name: Delete Item
Primary Actor(s):	Seller
Secondary Actor(s):	N/A
Description:	Delete item, delete it from seller's My Shop and delete it from Group main page
Preconditions:	Product Page (detailed item page) is shown with Title, Price, Description and delete button shown
Normal Flow of Events:	User clicks delete button and item will get deleted.
Postconditions:	Product has been deleted, removed from database and My Shop page as well as from Group main page where news feeds are.
Frequency of Use:	High
Alternative Flows:	User clicks on "cancel" button when confirmation of deletion dialog pops up. User will stay in Product page before clicking the delete button.

User clicks confirmation of deletion. Item will get deleted and User gets redirected to My Shop page. |
Exceptions:	TBD
Assumptions:	The item already exists in the database and there is an item to be deleted.
Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 11 Use Case Details - SEARCH-ITEM: Search Item

Use Case ID: SEARCH-ITEM	Use Case Name: Search Item
Primary Actor(s):	Buyer and Seller, all authorized members of the particular group
Secondary Actor(s):	N/A
Description:	Search item with keyword or category and shows the results to the user
Preconditions:	Group main page is shown where all available items are shown in thumbnail, and search area is also shown on the top of the page
Normal Flow of Events:	User fills in search field with name or keyword and click search button
Postconditions:	Product has been searched, shown to user with thumbnail
Frequency of Use:	High
Alternative Flows:	User clicks on "search" button. Item has been found and shown to the user. User clicks on "search" button. Item doesn't exist and user gets the non-existing item message.
Exceptions:	Item user is looking for does not exist in the group page and BCEO will give message saying "item looking for does not exist" User has entered an invalid format or invalid name of item in the search field and BCEO will give error message
Assumptions:	User is already in the group page
Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 11 Use Case Details - GET-NOTI: Get Notification

Use Case ID: GET-NOTI	Use Case Name: Get Notification
Primary Actor(s):	Seller
Secondary Actor(s):	N/A
Description:	Get the lists of notifications user got so far
Preconditions:	User is inside the BCEO, and able to click the button to Notification Center Page
Normal Flow of Events:	User clicks the Notification button in the app.
Postconditions:	User gets redirected to Notification Center Page with all notifications got so far showing up.
Frequency of Use:	High
Alternative Flows:	TBD
Exceptions:	N/A
Assumptions:	User already in the BCEO, and notification button available to be clicked.
Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 12 Use Case Details - SEND-NOTI: Send Notification

Use Case ID: SEND-NOTI	Use Case Name: Send Notification
Primary Actor(s):	Buyer
Secondary Actor(s):	N/A
Description:	Send notification to the seller when the buyer buys the item

Preconditions:	Item is available and the buy button is available to click
Normal Flow of Events:	User clicks "buy" button from the Product Page (detailed item page)
Postconditions:	One notification is sent to the seller of the product, letting the seller know this buyer wants to buy the product and seller's notification center has been updated.

One notification is sent to the buyer of the product, showing the buyer placed order for the item and notification center has been updated. Buyer will stay in the Product Page and confirmation message will be shown.

Waiting list for the item goes up by one. |
| Frequency of Use: | High |
| Alternative Flows: | User clicks on "buy" button. Buyer clicks "cancel" and comes back to the Product Page.

User clicks on "buy" button. Buyer confirms the item. Buyer will see the message of confirmation where the buy button used to be. |
| Exceptions: | Another buyer buys it before the user and the product is not available anymore. BCEO gives a message "placed on to the waiting list" to the user.

Seller deletes the product before the user buys it. BCEO gives "not available item" message to the user. |
Assumptions:	The item Product Page is shown and the user wants to buy this specific item
Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD

Table 13 Use Case Details - LEAVE-GRP: Leave Group

Use Case ID: LEAVE-GRP	**Use Case Name:** Leave Group

Primary Actor(s):	Authorized member of the group
Secondary Actor(s):	N/A
Description:	Remove group from the user's group list and delete the user from authorized member list of the group.
Preconditions:	User is already the member of the group
Normal Flow of Events:	User does long-tab of group name button on the Group List and clicks the "x" button showing to leave the group
Postconditions:	User will be removed from the Group's authorized member list, group will be deleted from user's group list and the group name is not shown on user's Group List Page anymore.
Frequency of Use:	Low
Alternative Flows:	User clicks anywhere outside of the group name button. "x" button to leave group will get disappeared. User stays in the group. User clicks "x" button. Group name will disappear from the screen..
Exceptions:	N/A
Assumptions:	User is already inside the group
Issues:	TBD
Source:	TBD
Includes:	TBD
Associated Requirements:	TBD