UML DIAGRAMS:

1. Sequence diagram for best friends feature
2. Sequence diagram for photo category feature
3. Use Case Diagram
4. Class Diagram

**:User :FormMain :UiControler :FacebookWrapperAPI**

**buttonFetchBestFriends\_Click**

FetchBestFriendsAndDisplayToListBox

Requests user’s post

Returns user’s post

**New()**

**<<create >>**

**: BestFreindsManager**

**updateBestFriends()**

Loop

**[ post in posts ] Get comments and likedBy**

Return

Get BestFriends list property

Returns Best Friends List

DisplayBestFriendsToListBox

Select a best friend

**DisplayBestFriendsStatistic**

GetLikeAndCommentsStatistics(selectedBestFriend)

Returns like and comment statistics for selected best friend

Display statistics to list box

# :User

# :FormMain

**:UiControler**

:FacebookWrapperAPI

**:CategoryPhotoManagerFactory**

**ComboBoxCategories\_SelectedIndexChanged**

**FetchPhotosPerCategoryAndDisplatToListBox**

**Requests user’s albums**

**Requests all photos from albums**

**Returns all photos**

**Returns user’s albums**

**CreateCategoryPhotoManager(selectedCategory, allPhotos)**

**Alt**

**[selectedCategory = “Country”]**



**Loop**

**new()**

**:CountriesPhotoManager**

**updateItems()**

**Get country where photo created**

**[photo in allPhotod]**

**Return**

**[selectedCategory = “Date”]**

**new()**

**:CreateDatePhotoManager**

**updateItems()**

**Loop**

**[photo in allPhotos]**

**Return**

**Get created date each photo**

**Return ICategoryPhotoManager**

**Return the selected object by user**

**Get Items list property**



**GetPhotosByItem(selectedItem)**

**Return**

**Display Items to list box**

**Return**

**Select Item from list box**

**SelectItemOfCategoryAndDisplay()**

**Display photos to list box**

**Select photo from list box**

**DisplayImageToPictureBox()**

**Display selected image**

**User:**

**Fetch Groups**

**Fetch Check-Ins**

**Fetch Tagged In Photos**

<<includes>>

<<includes>>

<<includes>>

<<includes>>

**Select group in List of groups**

**Select check-in inList of check Ins**

**Select tag in List of tagged in photos**

<<includes>>

<<includes>>

# Show logo

<<includes>>

**SYSTEM**

**Fetch Liked Pages**

**Fetch Posts**

**Fetch Best Friends**

<<includes>>

<<includes>>

<<includes>>

**Select best friend in**

**List of best friends**

**Select like page in List of Like pages**

**Select post in List of posts**

<<includes>>

Show comments for each chosen post

Show like and comment statistic each best friend

<<includes>>

**Fetch Albums**

<<includes>>

**Select album in List of albums**

<<includes>>

Show list of photos name each album

<<includes>>

**Show image**

**Select photos category**

<<includes>>

**List of the chosen category (countries/ date)**

<<includes>>

Show list of photos name each data in the category

<<includes>>

**Facebook API**

**Wrapper**

