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Explanations of the features:

**Feature 1**:

Best friends feature which calculates every friend rating according to the amount of likes and comments that were made on the logged-in user's posts, each comment/like gives one more point to the score of that specific friend.

Eventually after calculating the scores for all the friends a sort is being made by the number of points (descending order) and then the ten pictures on the tab are being updated to the profile pictures of the top 10 friends overall.

The feature is implemented in class TenBestFriendsAlgorithm.cs and can be found in the Best Friends Tab.

**Feature** **2**:

Compare between the logged-in user and another friend of his that was selected from the list.

The stats of both are being compared "against each other" according to Name, Age, Birthday Date and Hometown – then the user can choose whether to export the comparison into a file and save it.

This feature is implemented by the FacebookForm.cs and can be found in the Compare Tab.

Additional information: [can be found on the FacebookForm.cs Clicked methods]

1. Once you click on one of the Posts in the list box that appear in the General Data Tab, a window pops up with the comments that were made on the specific post.
2. When clicking on a date in the calendar the events on that day will appear in the list box underneath it.

**Use Case Diagram - System**



**Class Diagram**



**Sequence Diagram - View ten best friends**

**Sequence Diagram – Compare and export to file\***

\*Regarding both sequence diagram, the ‘Auto Login’ sequence is the more complex scenario. It can be replaced with a ‘Login’ sequence if the user is logged out, as shown below: