

- Create a new FB app
  - create one at <https://developers.facebook.com/apps/>
  - Be sure to grab the app id and secret, and set the website.
- Clone Repo
  - git repo is at <https://github.com/michiganhackers/Hack-FB-talk-template>
  - clone by running "git clone git@github.com:michiganhackers/Hack-FB-Talk-template.git"
- Get the PHP SDK
  - located at: <https://github.com/facebook/php-sdk>
  - It's included in the template repo in the fb/ directory
- Edit fb/config.php
  - Set app id, app secret, and website URL
- fb/auth.php
  - Create a new Facebook object using the app id and secret
  - Set scope/permissions (for a list of permissions, see <https://developers.facebook.com/docs/authentication/permissions/>)
  - Check if there is a logged in user. If not, generate a login URL
- login.php
  - Use the login url generated in fb/auth.php
- status.php
  - Use graph explorer (<https://developers.facebook.com/tools/explorer>) to try out different queries
  - Try out /statuses. Gives you a list of your statuses
  - Check out [https://graph.facebook.com/{your id}/statuses?access\\_token=xxxxxxx..](https://graph.facebook.com/{your id}/statuses?access_token=xxxxxxx..)
  - use \$facebook->api() to make an API call
  - likes and comments are stored as arrays, count the number of elements to get like/comment count.
  - Only gives you the first 25 likes/comments. Do another query to pull more. We'll max out at 100
  - Sort based on score - make a compare function.
  - Then just iterate through and print them out.
- photo.php
  - Uses FQL (Facebook Query Language)
    - Similar syntax to SQL to get data from Facebook.
    - Get a list of tables, and column names from <https://developers.facebook.com/docs/reference/fql/>
    - Try it out - Plug in your fb id and access token, and this pulls the ids of all your friends: [https://graph.facebook.com/fql?q=SELECT%20uid%20FROM%20friend%20WHERE%20uid1%20=%20{enter your id}&access\\_token={enter your access\\_token}](https://graph.facebook.com/fql?q=SELECT%20uid%20FROM%20friend%20WHERE%20uid1%20=%20{enter your id}&access_token={enter your access_token})
  - Create a query to get photo information for all photos the user is tagged in
  - Computing the average is easy, just take the sum/count
  - Then sort by like count, and print out the top 3 photos
- event.php
  - Uses FQL multiquery

- Allows you to send multiple queries in one request
- Supports dependencies within queries
- We want to
  - Get all of the users friends
  - All the events the friends are attending
  - Event info for each one of those events
- We need to sort by the number of friends attending each event.
- Iterate through each event and print them out

- What next?
  - Try stuff out!
    - Show top events that you are not attending, instead of all top events
    - Need a bunch of photos of a friend? Get a list of photos each of your friends are tagged in (\*cough\* BuddyMeme).
    - Rank how popular each one of your friends are. Calculate your popularity score (Klout)