<p align="center">**Memelify - Sprint Planning Meeting 1 (11/15/2018 at 11am)**</p>

Agenda:
1) **What we did:**
   - We created a boilerplate GraphQL backend service to allow iOS app query memes. At the moment, it just returns dummy data in json.
   - We spent the first week exploring our solutions for frameworks, server support etc. We also created a detailed document for our milestone 1 meeting.
   - We went through some tutorials to learn about/how to use GraphQL, using Heroku and Alamo fire, etc. We were successful in deploying an application with Heroku using AFNetworking. The problem is that AFNetworking uses Objective-C, but Alamo fire is the same as AFNetworking, but in Swift.
2) **What we plan to do:**
   - **Server Solution:** Instead of using Firebase, we plan to use Heroku instead. Heroku is free for relatively small projects like ours and it is relatively easy to use. That is why we will use Heroku for our Platform as a Service.
   - **Facebook for Developers application:** Try applying to facebook one more time: Upload a screencast for the application that is currently under review "davis memes"
     - Screencast Idea
     - Use the draw.io to walk through how our app works.
     - Emphasize on how we are not going to access/store any user information.
     - We only need to access to the photos, number of reactions on the group page.
   - **Facebook API solution**: If after applying to facebook again doesn't work. We will get the meme posts from Reddit, which unlike Facebook has a public official API. The Reddit Forums we will use will probably be /r/ucdavis and /r/memes. Therefore, this week we will have a team member explore how to use the Reddit API to get images from posts and possibly how many upvotes the post has (for the trending window)
   - Explore and learn the Reddit API just in case we already set for the plan B in case Facebook denies us again.
3) **Issues we are having:**
   - **Server issues**: We were planning to use Firebase and GCP's App Engine initially for our server support, but the problem is that we want to query third-party APIs (Facebook or Reddit APIs for example) and the free Firebase plan (Spark Plan) only lets us communicate with Google services only. To talk to the third-party APIs we would need to choose the Flame Plan which costs $25/month or the Blaze Plan (pay as you go). The problem with the Blaze plan is that since we will have real users, they may find some bug or make some mistakes that will cost us a lot of money.
   - **Facebook API issues:**
     - Facebook recently strengthened their authentication request. In order to have access to the "UC Davis Meme Group" through access token, we

need to provide detail plan on how we are going to use this permission, on what platform, and a screencast demonstrating how our app works
- We have applied once but got rejected due to lacking of a screencast. We are currently working on creating a screencast to explain how we are not going to access any user info except the photos on the group.
- If it does not work out, we would proceed to our backup plan. We will use reddit to query the memes from /r/ucdavis subreddit page.