Project Requirements

**Features:**

- Log In / Register - This feature will allow users to create an account and login to their account. Their account will have information such as their name, profile picture, and videos they've liked.
    - Functional: User is able to create an account of the app using username, email, and password.
    - Non-Functional: We will validate the users email, username, and password to ensure that the email and username does not already belong to an existing user, the email is a valid email, and the password meets our minimum password requirements.

- Like - We will add a feature to our app that will allow users to like videos they come across. This will increment the likes counter on the video itself and also add it to the list of videos that the user has liked.
    - Functional: User can like a video they find in our app in order to show their support to the creator and find it again later.
    - Non-Functional: By clicking the Like button, an API call will be made that increments the number of likes the video has in our database and adds it to the users liked videos.

- "Feed" - The home screen of our app will be called the feed. The feed will automatically pull the videos that the user is most interested in first (i.e. videos from people they follow) and then videos that were recently uploaded.
    - Functional: When users log in to the app, the home page is a scrollable feed filled with videos uploaded by those that the user follows
    - Non-Functional: When users open the app, we will make an API call that gets the relevant videos in a prioritized queue. The queue will be prioritized first by upload time from videos the user is friends with/following, and then other recently uploaded videos.

- Upload Video - This feature will allow the user to select a video off of their phone and upload it to our video hosting and distribution server so that others users are able to view and like the video.
    - Functional: Logged in users are able to select videos from their storage or record a live video and have them uploaded to our storage servers for others to view.
    - Non-Functional: Once a user has selected a video to be uploaded it will run an API call to upload the media to an Amazon S3 bucket or similar media storage service.

- Follow - a feature to follow other users. Users will be able to add other users to their followers/subscription list so that their videos will appear in the feed. When a user follows another, they have the option to follow back or not.
    - Functional: Users can press a follow button to follow another user and see their videos. Provide a prompt to the followed user asking if they would like to follow back.
    - Non-Functional: Limiting number of people one can follow daily to 10 eliminate follow bots.

- Delete Video - If you upload a video, this feature will allow you to delete your own video from our video hosting and distribution server before it expires normally.
    - Functional: User is able to delete videos that they have posted/uploaded. These videos should be deleted from everywhere they are saved/archived such as user feeds and "liked" pages.
    - Non-Functional: When user that uploaded video requests to delete it, an API function is called that deletes the video from our video hosting and distribution server and marks it as deleted in our database (we keep the video information in our database still for data analytics)

Project Plan
- Format this project plan using either GANTT or Kanban
- Include each feature
- Indicate the sequence of sprints for each feature (design, develop, test, integrate)
- Include When (start, projected finish) and Who for the development of each feature
- Project Application should be working and ready to present by December 2, 2019

Push this PDF to milestones repo and submit a txt file to Canvas with the link to the repo.

**OCTOBER 2019**

| | WN 43 (21-27) | | | | | | WN 44 (28-03) | | | | | | | WN 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Tu 15 | We 16 | Th 17 | Fr 18 | Sa 19 | Su 20 | Mo 21 | Tu 22 | We 23 | Th 24 | Fr 25 | Sa 26 | Su 27 | Mo 28 | Tu 29 |

**TASK**

**Register/Login**
21.10.2019 - 01.11.2019

Register/Login

(FE) De... (FE) Develop

(BE) Create basic API functions to support Register/Login

(BE) Testing/Integ

(FE) Connect/Test

**TASK**

**Upload/Share video**
28.10.2019 - 10.11.2019

Upload/Share

(BE) Create API fu

(FE) Design

**TASK**

**Follow/Request**
04.11.2019 - 17.11.2019

**TASK**

**Feed**
11.11.2019 - 24.11.2019

| 45 (04-10) | | | | | | WN 46 (11-17) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| We 30 | Th 31 | Fr 01 | Sa 02 | Su 03 | Mo 04 | Tu 05 | We 06 | Th 07 | Fr 08 | Sa 09 | Su 10 | Mo 11 | Tu 12 | We 13 | Th 14 |

ration

(FE) Integrate

(FE) Develop

e video

nction to upload videos to AWS server

(BE) Testing/Integration

(FE) Connect/Test

(FE) Integrate

**Follow/Request**

(FE) Design

(BE) Set-up API call to add user you follow to your followed users list

(FE) Develop

(FE) Connect/Test

(BE) Testing/Integration

(FE) Integr...

**Feed**

(FE) Design

(BE) Create API function that will fetch rel...

(FE) Develo...

**Setup**
16.10.2019 - 20.10.2019

**Setup**

(BE) Set-up AWS for app to hold video