

Project Proposal

<https://sreeshanath.github.io/Project%20Milestones/Project%20Milestone%201/index.html>

Group Number: CSCI 3308-206 Group #1

Team Name: Dem Boiz

Team Members: Connor Thompson, Neil Borde, Akhil Kunam, James Vogenthaler, Andrew Mitchell

Application Name: Leaf or Bootleg Vine

Application Description:

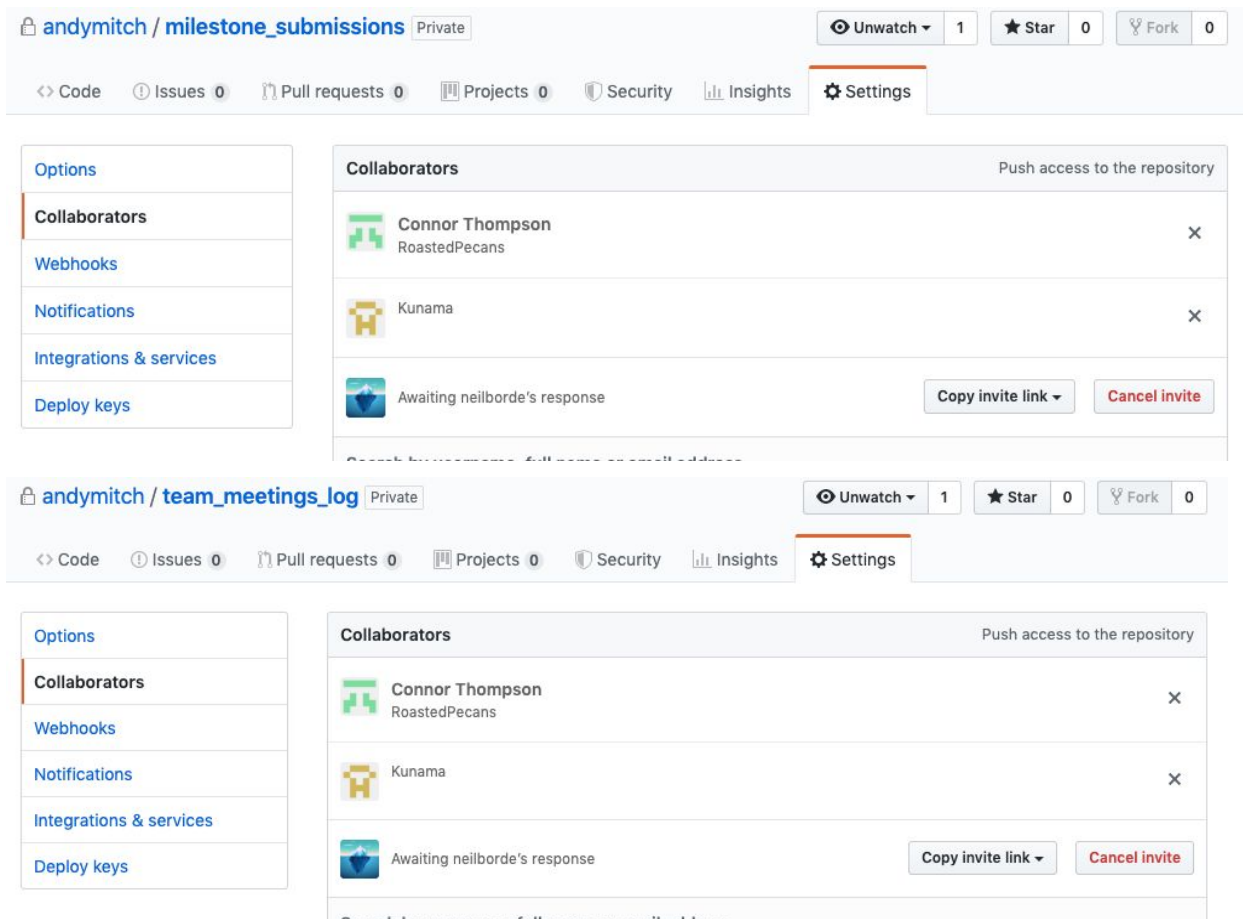
Our project will essentially be a new implementation of the popular video social network Vine, which was shutdown a few years ago. Our project will allow users to download our app, create an account, and log-in to view short videos other users have uploaded. They will be able to comment on others videos. Users will also be able to upload their own short videos to Leaf to allow other users to view and comment on their content. Users gain entertainment and social interaction from using our app.

Vision Statement:

Leaf is a mobile video social networking platform that provides continuous entertainment in the form of videos and a way for users to create their own content and share their experiences with friends and followers by uploading short video content that remains visible for 24 hours. Unlike Snapchat or Vine, our product combines the benefit of both capabilities (short videos retained for a 24 hour period) and combines them into one application.

Git Screenshot:

The screenshot shows the GitHub repository settings page for 'andymitch / Bootleg_Vine'. The repository is marked as 'Private'. At the top, there are buttons for 'Unwatch' (1), 'Star' (0), and 'Fork' (0). Below these are tabs for 'Code', 'Issues' (0), 'Pull requests' (0), 'Projects' (0), 'Security', 'Insights', and 'Settings' (which is selected). On the left sidebar, there are links for 'Options', 'Collaborators' (which is selected), 'Webhooks', 'Notifications', 'Integrations & services', and 'Deploy keys'. The main content area is titled 'Collaborators' and includes a link to 'Push access to the repository'. It lists two collaborators: 'Connor Thompson' (username: RoastedPecans) and 'Kunama'. Below them, it shows 'Awaiting neilborde's response' with a 'Copy invite link' button and a 'Cancel invite' button.



Development Method: Agile/Scrum

Communication Plan: SMS Text, Slack

Proposed Architecture Plan:

- **Front end:**
 - **Mobile App** - Use React Native to build app to work on iOS and Android and provide simple and intuitive interface to end users
 - **Website(?)** - If we build a website for our project, we will use React.JS
- **Back end:**
 - **API** - Write API using AWS Lambda or something like that
 - **Database** - Amazon AWS RDS instance to run database in the cloud
 - **Storage Server** - Amazon S3 or MediaFront service to store needed videos
- **Communication:** App will communicate with our backend via API requests to authenticate the user, get video links and comments, and more. Users uploading video will have their video data uploaded to Storage Server and the video metadata stored to the Database.

Meeting Plan: Face to face meetings every Mon/Wed from 12-1PM at the South Gravity Cafe in the Engineering Center