

# Project Proposal

*Ever, Emma P., Erika, Libby*

## ➤ **The Big Idea:**

- Tinderbot. Machine Learning, Data Mining, Database Creation, Finding things in a Database. Generate a wingman bot. Given a name and/or keywords get out a pickup line. Given a tinder profile, get out the best pickup line for that profile. Possibly write our own pickuplines, export to website, set it free on Tinder.
- Gets more smooth as time goes on

## ➤ **Learning Goals:**

- Everardo Gonzalez: I want to learn how to build an algorithm that can change and adapt with feedback. I also want to get some practice with how markov chains work.
- Erika Lu: My learning goal is to get comfortable with using Github branches. I also want to become more familiar with web parsing using python.
- Elizabeth: I want to work on optimizing machine learning. I only know the very basics of how it works, but I think it would be fun to explore machine learning more fully.
- Emma Pan: I would like to learn more about web scraping, optimization, and machine learning. I'd like to make something that improves the more people use it.

## ➤ **Implementation Plan:** This will probably be pretty vague initially.

Perhaps at this early juncture you will have identified a library or a framework that you think will be useful for your project. If you don't have any idea how you will implement your project, provide a rough plan for how you will determine this information.

- Research on certain web APIs, machine learning, as well as how to get a bot on to Tinder.
- Break down project to individual tasks.

## ➤ **Project schedule:** (2 Week Sprints)

- Week 1 (March 30): Research/More Coherent Plan

- Week 2(April 6th): Create a database of generic pickup lines
- **Collaboration plan:**
  - We plan to use Asana for task-mastering and staying on track
  - We will share code using Github, and learn how to work on branches
  - We want to work on our designated tasks on our own time, and then present/teach each other what we're doing during class
- **Risks:** What do you view as the biggest risks to the success of this project?
  - Tinder shutting us down or blocking us during our testing
  - Overshooting our goals
  - Subjectivity of humor- can machine learning work on the scale we're doing it for something as fickle as humor?
- **Additional Course Content:** What are some topics that we might cover in class that you think would be especially helpful for your project?
  - Git merge conflicts!
  - Machine learning exploration
  - Api advice for data mining
  - Free work period