Project Proposal: Due _____ (11:59:59 pm)
version 0.0

Project Overview:

You will need to decide as a group what you would like to implement. The requirements for this project are that you must implement a login and provide services depending on the user login (which is the minimum requirements for iteration 1), and use at least one API (which is the minimum requirements for iteration 3). The API should be a significant part of your project (i.e. the API should be involved in more than one feature) and you may feel free to use as many APIs as necessary. Some examples of open APIs include translink, googlemaps, and open data Canada – DO NOT GIVE OUT SENSITIVE INFORMATION SUCH AS CREDIT CARD IF REGISTRATION IS REQUIRED. Different APIs have very different documentations and usages so it is also advised that you research the one you would like to use for feasibility. Do not simply use a gem as an API.

Overview:

Your zeroth iteration (project proposal) will include your first group meeting. In this meeting, you should get to know your group, analyze the abilities (backgrounds/experience) of each member, and decide how to best use this. You should also come up with an initial description of your project. You are to present this in a write up using an abstract of your project, an overview of existing systems, and why you would like to improve on this. Here are some guidelines to help you along. In your write up, include answers to the following:

What is the name of your web application?

Do we have a clear understanding of the problem?

-   How is this problem solved currently (if at all)?
-   How will this project make life easier?
-   Who is the target audience? Who will use your product?

What is the scope of your project?

-   Does this project have many individual features, or one main feature (possibility with many subproblems)? These are the 'epics' of your project.
-   What are some sample stories/scenarios? For example, as a regular user to your site, what types of things can I do? As an admin for your site? These are the 'stories' of your project.
-   You may choose to start creating some UI mockups on paper.
-   Be honest, is the amount of work required in this proposal enough for five group members

Group Meetings:

Your first meeting should be a chance to get to know each other but here are some goals for follow-up meetings (ideally, you should aim to meet one to two times a week, even over Skype or Facebook):

- You should take note of the discussions made so you don't repeat yourselves during subsequent meetings.
- Plan for the next meeting (otherwise you will never meet again :). Estimate how much work you want to get done. For example, "do research on …".
- Try to over-deliver :P

What to do:

Create a public github or gitlab repo for your group; you will be submitting this URL as part of your project proposal. Make sure all group members have push access and that all iterations of the heroku deployed code is also deployed to your github/gitlab repository; this is how we check your progress.

Next submit a PDF write up (answering the questions in the 'Iteration 0 Overview') to coursys; see Marking Criteria below. Please note: only one of your group members has to submit the write up.

Finally, replace or create the README.md (text) file in the root directory of your application with the text of your write up.

Submission:

Please submit the following for the Project Proposal:

1. Your group's git link
2. The PDF of the project proposal write up

Marking Criteria:

We will be marking for your content, which should involve a clear statement about your customers' needs, problems and how they currently solve the problem. This should include notes about competitive analysis of your proposed application and should include a high level description of the features that will exist in the final delivery. Your write up should be done in natural language form (i.e. no point form and should be formatted accordingly). The document should be clearly written without grammatical errors and must be consistent throughout. Please be as unambiguous as possible.

We will also evaluate whether the scope of the project is big enough; small projects may result in lower creativity marks. A good rule of thumb is that you should have at least (as a minimum) as many epics as people in your group.

I have included a few example of abstracts of past projects (use it for inspiration only). If you have any questions, please feel free to ask!

Project Abstract Examples:

The following are projects from past semesters that I would deem as having "large enough scope". Please use these as inspiration only. Be creative with your ideas!

CanvUs is an online web application allowing multiple users to collaboratively draw together. Users can sign up/login and create private or public rooms where they will be able to share access to the room with their friends (or strangers!). The features of the application will include pencil, eraser, various colors, and shapes as a base, with future implementations including undo, clear screen, chat room, and much more. When in the room, users can work together concurrently (or against each other) to create beautiful pieces of art, or messy assortment of colors. Though this application can be used as an educational tool, it is intended to be a general multipurpose application allowing concurrent user drawing.

The YouDrive application makes use of the Secure File Transfer Protocol turning the personal file space (U drive) provided by the university into a file storage service that can be remotely accessed via various platforms and devices. Apart from basic downloading and uploading capabilities, users will be able to share access to their personal files and directories. In addition, users will be able to edit, search and print files, as well as play the video and audio files stored in their U drive directly from the application. This software allows users without the ability to set up SFTP on their own computers to access their U drive. The application contains one main feature: SFTP access and subproblems such as file editing, sharing, searching and video/audio playback.

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Project Proposal based on Bobby Chan's course material