**Description of the Project:**

Develop an interactive conversational travel agent that responds to user questions using Java. The user can ask the chatbot any question that is related to the trip such as weather of the destination, cost of the vacation, and transportation for the trip, etc.

Democratic Team Approach

Repository URL: <https://github.com/allantsai123/COSC310project>

**SDLC: Scrum combined with Incremental**

We choose scrum combine with incremental because we can separate the whole project into small tasks (divide and conquer approach), and each member can work on one part of the project. We also want to prioritize the tasks so we know which functions need to be implemented as soon as possible. Since there will be lots of rapidly changing during the design and development phase, we want to have lots of testing and meetings so we can exchange ideas, update the status and address the issues.

**SDLC Phases:**

1. Planning and Design Phase
   1. Set up the GitHub
      1. Repository and project file set up
      2. Learn push, pull, branch
   2. To know and learn what the project is and how to implement it.
      1. Find some example of Chabot.
      2. Figure out what type of Chabot we are making.
   3. Discuss how to separate the project into different tasks
      1. Functionalities/Sizing
      2. DB? API?
      3. Determine who is doing which task.
2. Development and Testing Phase
   1. Code implementation
      1. Each member code on their own time.
   2. Merging the code
      1. Combine the code from each member
      2. Understanding the code from other
   3. Testing the code
      1. Unit tests
      2. Fixing the code
3. Documentation and Maintenance Phase
   1. Document how the project work in a detail way
      1. Explaining how each method, function, or class works.
      2. List of limitations
   2. More functions?
      1. Discuss the time left and implement more features?

**Actual Timeline:**

**Project Starts:** Jan 21th

**Project Ends:** Feb 6th

**Project starts:**

**Phase 1:**

Jan 21th: Discuss on how to deal with assignment 2 after class

Jan 22th: Set up the GitHub repository and add project folder

Jan 25th: Research on the topic

Jan 27th: Meet at the library; discuss the topic and what functions should be implemented. (basic structure of the code)

**Phase 2:**

Jan 28-31th: Implement the code individually.

Jan 29th: Meet at the library; discuss and revise the code

Jan 31-Feb 3rd: finish up the coding part of the project.

**Phase 3:**

Feb 3rd: Meet at the library; discuss what is done and what is left.

Feb 4th: Documentation.

Feb 5th: Meet at the library; finishing up the project