

# Development Plan

Team 3

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# 1 Team Information

Team Name: Banana Boat

Team Members:

<b>Name</b>	<b>MacId</b>
Shuying Chen	chens121
Ziyang Huang	huang60
Guiye Wu	wug13

## 2 Team Meeting Plan

Date	Location	Time	Content	Document
Sep 9-15	Student Center	Sep 10 17:00-17:15	team formation	
Sep 16-22	Mills Library	Sep 18 16:30-17:45	Problem Statement Rev 0	Problem Statement.tex
Sep 23-29	Mills Library	Sep 25 16:30-18:30	Development Plan Rev 0	Development Plan 0.tex
Sep 30-Oct 6	Mills Library	Oct 2 17:30-19:00	Requirements document rev0	Requirements Doc 0
Oct 7-13	Mills Library	Oct 10 17:30-18:30	Proof of concept demonstration	
Oct 14-20	Mills Library	Oct 17 17:30-18:30	Proof of concept demonstration	
Oct 20-27	Mills Library	Oct 23 17:30-18:30	Testing and Debugging	
Oct 28-Nov 3	Mills Library	Nov 1 17:30-18:30	Test plan rev0	
Nov 4-10	Mills Library	Nov 7 17:30-18:30	Design and Document rev0	
Nov 11-17	Mills Library	Nov 14 17:30-18:30	Rev0 demonstration	
Nov 18-24	Mills Library	Nov 21 17:30-18:30	Final demonstration Preparation and peer evaluation	
Nov 25-Dec 2	Mills Library	Nov 28 17:30-18:30	Final Documentation	
Dec 2-8	Mills Library	Dec 5 17:30-18:30	Final Documentation	

Rules for agenda: we will have a template for the meeting minutes and one of the member will take the notes and update a new meeting minutes every time to keep in track with the meeting plan.

### **3 Team Communication Plan**

We will use emails and messenger to communicate with each other. We have exchanged our contact information so that we are able to communicate with each other about everything that is relative to our project.

## 4 Team Member Roles

Team Leader: Shuyin Chen

Team Member: Ace Huang, Guiye Wu

Scribe: All of the members(one at each time) will do the process documentation and Gantt Chart uploading.

## 5 Git Work-flow Plan

1. Create a new branch(for the use of merging and bug fixing).
2. Do any addition or modification in the new branch.
3. If everything in the new branch work correctly, merge with the master branch.
4. Use the issues on the git-lab to show our discussion results of important issues, bugs or milestones(descriptions of the big events).

Every submission of milestones or any modification of files or adding tags are able to be done in above steps.

## 6 Proof of Concept Demonstration Plan

The program "minesweeper" should be available and feasible for us to use python to re-develop it. The user interface will be the hardest part of the implementation, the original code was written in java, which using GUI to implement the user interface. We are planning to re-implement this project in python. Unfortunately, we are not very familiar with how to create user interface with python, so this will be a challenge for the project. We will make a simple user interface for the initial implementation and try to refine the interface step by step. The customization is necessary for us while re-develop the program. We will add some more customized features(outlooks, functions) that based on the custom feedback and tests.



## 7 Technology

language: python

IDE: python idle

test framework: Unit Testing - PyTest

document Generation: Latex and Doc; We will using overleaf and GOOGLE DOC as supporting tool for the team member to work together on the documentation

## 8 Coding Style

We will focus on one python style for coding which reference to <https://google.github.io/styleguide/pyguide.html>

## 9 Project Schedule

Project schedule refers to GanttProject file, and the file will be updated each time after the meeting(or if the work is done). All milestones and the roles assignment are in GanttProject file, roles are separated equally and every of us will follow the roles to finish the corresponding work on time.

## 10 Project Review