Sprint 2 Plan

Heading
- PeersChat
- PCP
- Sprint Completion Date: 7/14/20
- Revision number: 1.0
- Revision Date: 7/7/20

Goal: Move from 2 person communication to 3 or more person communication. Also configure the voice call to be decentralized, allowing every peer to communicate individually with each other.

User Story 1: As someone who likes CLI's, I want to be able to talk to multiple friends so that when we play video games we can communicate with each other.
- Task 1: Research UDP protocol in C++ (2)
- Task 2: Create example UDP socket program (3)
- Task 3: Add another thread for each new user in the networking portion (5)
- Task 4: Make all current peers aware of incoming new peer (8)
- Task 5: Combine audio streams (13)
- Task 6: Enable muting of users in session (2)

Total time estimate: 31 hours

User Story 2: As somebody who is scared of CLI's, I'd like my VOIP program to have a GUI as well so that I don't have to use scary CLI's.
- Task 1: Decide on a GUI platform to use (2)
- Task 2: Implement simple Hello World interface (5)
- Task 3: Connect backend with GUI frontend (13)

Total time estimate: 20 hours

Team Roles
- Tristan: Developer {none}
- Andrew: Developer {none}
- Omar: Developer {none}
- Ivan: Scrum Master {Developer}
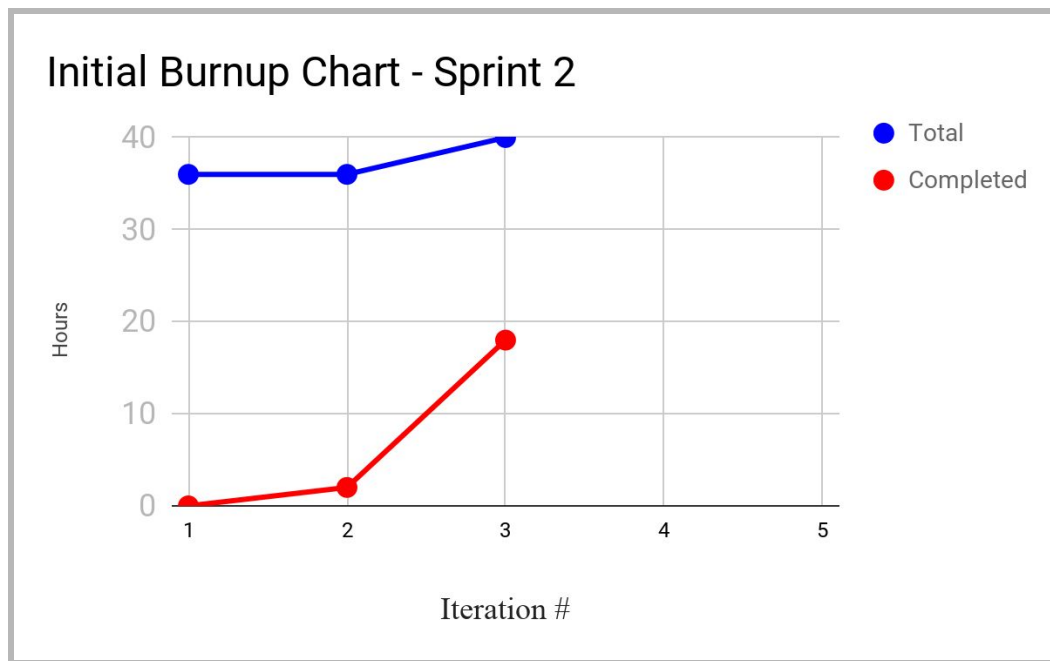- Dane: Product owner {Developer}

Initial Task Assignment
- Tristan: user story 1, task 1

- Andrew: user story 2, task 1
- Omar: user story 1, task 3
- Ivan: user story 1, task 3
- Dane: user story 1, task 4

Initial Burnup Chart
- A graph giving the initial burnup chart for this sprint and is labeled as such with sprint number and project name and is located in the lab.

Initial Burnup Chart - Sprint 2

Initial Scrum Board

User Story	To Do	In Progress	Done

As someone who likes CLI's, I want to be able to talk to multiple friends so that when we play video games we can communicate with each other.	- Task 1: Research UDP protocol in C++ (2)
	  ● Tristan
	- Task 2: Create example UDP socket program (3)
	- Task 3: Add another thread for each new user in the networking portion (5)
	  ● Omar, Ivan
	- Task 4: Establish a connection from existing users to new user (8)
	  ● Dane
	- Task 5: Combine audio streams (13)
	- Task 6: Enable muting of users in session (2)		

As somebody who is scared of CLI's, I'd like my VOIP program to have a GUI as well so that I don't have to use scary CLI's.	- Task 1: Decide on a GUI platform to use (2) ● Andrew - Task 2: Implement simple Hello World interface (5) - Task 3: Connect backend with GUI frontend (13)		

Scrum Times
- TA/tutor meetings:
    - Tuesday 1-2pm
    - Friday 12-1pm
- Team meetings:
    - Sunday 6pm
    - Tues 2-3pm
    - Thurs 1230-130pm