

# Iteration 1 Sprint Planning Document

*Team Number: 11*

*Team Leader: Zhuo Chen*

*Team Members: Peng Liang, Wenting Shi, Yik Fei Wong, Hon Kwan Wu, Tianyi Zhang*

*Project Name: What Does the Board Say?*

1. User stories to be implemented in this Sprint (at least 4): 2 points

(1) Invite function for host

As a host user, I would like to create a whiteboard.

User action	System Response
1. Click host button 3. Confirm to create a whiteboard	2. Show host interface with IP address 4. Establish server and show the whiteboard

As a host user, I would like to invite others while creating the whiteboard.

User action	System Response
2. Click on "+" button	1. Show "+" button 3. Ask user to input invitee's email or choose recent invitee

(2) Join function for participant:

As a client user, I would like to join the whiteboard.

User action	System Response
1. Click join button 3. Confirm to join a whiteboard	2. Ask user to input host IP and password 4. a) Establish connection to the server and show the whiteboard if password is right b) Tell the user to retry if password is wrong

(3) Basic whiteboard functions (draw):

As a user, I would like to modify my drawing anytime I want.

User action	System Response
1. Click the function button  3. User do action on the board	2. Change the touch screen response according to the function  4. The changes are reflected on the whiteboard.

(4) Exit function:

As a user, I would like to know who leave the whiteboard.

User action	System Response
1. Someone leaves the whiteboard	2. Server realizes that since no data is transferred from that client 3. Reflect on everyone's user list

As a host, I would like to terminate the whiteboard when I leave.

User action	System Response
1. Choose to exit the whiteboard	2. Send termination signal to every client 3. Terminate the whiteboard 4. Clients terminate the whiteboard when receive the termination signal

2. Description of tasks (minimum of 1 task per team member): 3 points

Yik Fei Wong:

Task	Description	Workload Estimation
Start-Up Interface	The interface will provide two buttons, one is invite and another is "Join".	10 hours
Mainframe Interface	This interface will display all the functional buttons (including draw, eraser, voice chat, etc.) and the white board.	13 hours
Familiar with Android UI design	Try to get familiar with the basic of Android UI design	10 hours
Testing with the Interface	Test the functionality of the Listener and test whether the button will show up in the correct location	8 hours

Wenting Shi

Task	Description	Workload Estimation
Join Interface	The app will display two text fields. Each User can join the whiteboard interface by entering host IP and password.	12 hours
Mainframe Interface	This interface will display all the functional buttons (including draw, eraser, voice chat, etc.) and the white board.	6 hours
Familiar with Android UI design	Get familiar with the basic of Android UI design	10 hours
GUI usability testing	Test the functionality of the GUI elements.	6 hours

Tianyi Zhang:

Task	Description	Workload Estimation
Create Interface	This function will first prompt the IP address of the host device. Then, the host can invite others via email or other way.	9 hours
Mainframe Interface	This interface will display all the functional buttons (including draw, eraser, voice chat, etc.) and the white board.	6 hours
Familiar with Android UI design	Try to get familiar with Android app GUI design element.	12 hours
GUI usability testing	Test if every GUI elements are able to appear correctly on screen when called. Test if GUI elements are at the correct location.	6 hours

Zhuo Chen:

Task	Description	Workload Estimation
Android Development Environment	Learn android development knowledge, Setup android development environment	12 hours
MainFrame.class	Main class design, Data representation and communication to backend, OnDraw function	18 hours
Pencil.class	Implement basic pencil function	6 hours
Testing	Write test class to test above classes and function	6 hours

Peng Liang:

Task	Description	Workload Estimation
Android Development Environment	Learn android development knowledge, Setup android development environment	5 hours
Join.class	Implement back-end of Join interface	8 hours
Create.class	Implement back-end of Create interface	8 hours
Invite.class	Implement back-end of Invite interface	9 hours

Honkwan Wu:

Task	Description	Workload Estimation
Android Development Environment	Learn android development knowledge, Setup android development environment	15 hours
Server.class	Send and receive data	8 hours
Client.class	Setup connection to the server. Send and receive data	5 hours
Testing	Test to make the everything work correct	2 hours