**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.

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| 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.

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| 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.

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| 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.

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| 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.

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| 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.

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| 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:

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| 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

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| 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:

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| 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:

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| 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:

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| 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:

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| 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 |