Assignment 5 Sprint 2

**Team Members:**

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**Sprint Backlog**

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| **Product Items** | **Acceptance Criteria** | **Estimation**  **(time/LOC)**  **Man hours** | **Priority** |
| As a user, I want to create a new tab in the workspace, so that I can have a new space to work  on.  Tasks:   1. Add a “New Space” button above the workspace. 2. Add JtabbedPane in contentPane 3. Realize “create new tab” function | When clicking the “New Space” Button, a new tab will appear. | 6 | 2 |
| As a user, I want to save my workspace into a file, so that I can review it later.  Tasks:   1. A save button above the workspace. 2. Add JfileChooser to let user choose file 3. Realize save file function | When clicking the “Save” Button, the current panel will be saved as a file into the project. | 6 | 2 |
| As a user, I want to load the file that is saved in my device, so that I can review what I used to create.  Tasks:   1. A load button above the workspace. 2. Add JfileChooser to let user choose file 3. Realize load file function | When clicking the “Load” Button, we can choose a file we saved before to load. | 6 | 2 |
| As a user, I want to have a workspace with several tabs, so that I can switch to different tabs.  Tasks:   1. Bind a separate workspace and repository to each tab | When clicking a different tab in the top of the working space, we can switch among different tabs. | 4 | 3 |
| As a user, I want to connect blocks in the workspace by linking the input of one block to the output of another block, so that I can compile them.  Tasks:   1. Each block to have 0..\* inputs.   Each block to have 0..\* outputs.  Inputs can be connected to the outputs.  2. A MouseLisitener to monitor the mouse action  3. The outputs which can be connected will turn to green when clicking an input.  4. A line will appear between the input and output we wanted to connect when clicking them in order. | 1)When clicking a input, this input and the outputs that could be connected will turn into green.  2) When clicking the input and out put we wanted to connect, there will be a line appear between them. | 11 | 1 |
| As a user, I want to compile the blocks in the current tab, so that I can know if the file we created is correct.  Task:   1. A “Compile” button above the workspace. 2. Check connection to get compile result. 3. A dialog with the compile result pops up when the “Compile” Button is clicked. | When clicking the “Compile” Button, we can compile the blocks in the current tab. | 6 | 2 |

**Burndown Chart**

**Retrospective**

What went well?

The whole sprint went well as we planned. Everyone has their own tasks and we had stand-up meeting everyday to adjust our tasks so that we can make sure everything went well. The estimated burndown is similar to the actual burndown.

What went wrong?

We wasted some time when we tried to integrate what we were doing together.

What needs to be improved?

Before we start doing our own stuff, we should discuss how we want to implement our part of the functionality so that we can reduce the time wasted when integrating.

**Review**

For sprint 2 of the assignment, our goal was to complete the whole project. Thus, we chose all the rest of user stories listed in the PBI. At the end of this sprint, we finished all the user stories listed in our storyboard and the project could meet the requirements we planned to meet.

In the working application we implemented, the blocks in our working space can be connected, and the input can be connected to the output. When we click on an input, it and all the outputs that can be connected to it will turn green. When we click the input and output we want to connect in order, a line will appear between them. At the same time, we have four buttons in the top panel, namely "New Space", "Save", "Load", and "Compile". When we click "New Space", a new tab will appear in our When we click on a different tab, the working space will switch to this new tab. When we click "Save", we can save the working space we want to save in the form of a file. When we click "Load", we can select one of the previously saved files and load it. When we click "Compile", we can compile the blocks in our current working space.