**Tsubasa Hirooka (A00395102)**

**Function: History**

**Description**: Have the shell keep track of commands the user as typed. The shell can hold maximum 10 commands.

**Input**: int command\_type, char[] command

command\_type: 1: Add, 2: Choose, 3: View

command: needed when command\_type is 1:Add

**Output**: int 0 (normal case) / -1 (error case)

**Feature**:

Data structure: Linked List

Functionality:

[Add] When a new command typed, the command is added at the head of the command list. When the number of commands reaches 10, the oldest command (the last command of the command list) is removed.

[Choose] When a command is chosen, the command is moved to the head of the command list.

[View] A user can view commands’ history.

**Schedule**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Planned Start Date | Planned Completed Date | Start Date | End Date | Name |
| Documentation | 2014/11/02 | 2014/11/06 | 2014/11/02 | 2014/11/06 | Tsubasa |
| Coding [Add] | 2014/11/03 | 2014/11/04 | 2014/11/02 | 2014/11/06 | Tsubasa |
| Coding [Choose] | Phase 2 | Phase 2 | Phase 2 | Phase 2 | Tsubasa |
| Coding [View] | Phase 2 | Phase 2 | Phase 2 | Phase 2 | Tsubasa |
| Testing [Add] | 2014/11/05 | 2014/11/06 | 2014/11/06 | 2014/11/06 | Tsubasa |
| Testing [Choose] | Phase 2 | Phase 2 | Phase 2 | Phase 2 | Tsubasa |
| Testing [View] | Phase 2 | Phase 2 | Phase 2 | Phase 2 | Tsubasa |