```cpp
TEST_METHOD(UndoTest)
            {
                    Parser parser;
                    architectureStorage storage;

                    parser.pushUserInput("add meet ivy on 14 mar 14:00");
                    parser.pushUserInput("add meet zx on 5 mar 15:00");
                    parser.pushUserInput("add meet reuben on 14 feb 14:00");
                    parser.pushUserInput("undo");
                    std:: vector<TASK> actualList =
storage.retrieveTodayTaskList();

                    storage.clearTodayFromStorage();
                    storage.addToMasterStorage("meet zx", "5", "feb", "15",
"00", "", "");
                    storage.addToMasterStorage("meet ivy", "14", "mar", "14",
"00", "", "");

                    std:: vector<TASK> expectedList =
storage.retrieveTodayTaskList();
                    Assert::AreEqual(expectedList.size(), actualList.size());

                    for (int i=0; i< expectedList.size(); i++) {

        Assert::AreEqual(expectedList[i].taskDescriptionList,
actualList[i].taskDescriptionList);
                    }
            }


TEST_METHOD(UpdateUpcomingTest)
            {
                    Parser parser;
                    architectureStorage storage;

                    parser.pushUserInput("add meet ivy on 14 may 14:00");
                    parser.pushUserInput("add meet zx on 5 apr 15:00");
                    parser.pushUserInput("update upcoming 1 meet reuben on 14
apr 14:00");
                    std:: vector<TASK> actualList =
storage.retrieveUpcomingTaskList();

                    storage.clearUpcomingFromStorage();
                    storage.addToMasterStorage("meet reuben", "14", "apr",
"14", "00", "", "");
                    storage.addToMasterStorage("meet ivy", "14", "may", "14",
"00", "", "");

                    std:: vector<TASK> expectedList =
storage.retrieveUpcomingTaskList();
                    Assert::AreEqual(expectedList.size(), actualList.size());

                    for (int i=0; i< expectedList.size(); i++) {

        Assert::AreEqual(expectedList[i].taskDescriptionList,
actualList[i].taskDescriptionList);
                    }
            }

            TEST_METHOD(DeleteTest)
            {
```

```cpp
				architectureStorage storageDelete;
				architectureLogic logic;

				storageDelete.addToMasterStorage("meet ivy", "4", "april",
"17", "00", "", "");
				storageDelete.addToMasterStorage("meet reuben", "4",
"april", "18", "00", "", "");

				logic.deleteTask("today", "1");
				std:: vector<TASK> actual =
storageDelete.retrieveTodayTaskList();
				size_t expected = 1;
				Assert::AreEqual(expected,actual.size());

				storageDelete.addToMasterStorage("meet ivy", "27",
"december", "17", "00", "", "");
				storageDelete.addToMasterStorage("meet reuben", "27",
"april", "18", "00", "", "");

				expected = 2;
				actual = storageDelete.retrieveUpcomingTaskList();
				Assert::AreEqual(expected,actual.size());

				expected = 3;
				actual = storageDelete.retrieveMasterTaskList();
				Assert::AreEqual(expected,actual.size());

				logic.deleteTask("upcoming", "1");
				expected = 1;
				actual = storageDelete.retrieveUpcomingTaskList();
				Assert::AreEqual(expected,actual.size());

				storageDelete.addToMasterStorage("go to school", "", "",
"", "", "", "");
				storageDelete.addToMasterStorage("submit project", "", "",
"", "", "", "");

				expected = 2;
				actual = storageDelete.retrieveFloatingTaskList();
				Assert::AreEqual(expected,actual.size());

				logic.deleteTask("misc", "1");
				expected = 1;
				actual = storageDelete.retrieveFloatingTaskList();
				Assert::AreEqual(expected,actual.size());
			}
		};
}


		TEST_METHOD(ClearTest)
		{
				architectureLogic logic;
				architectureStorage storage;
				architectureBoost boost;
				std:: vector<TASK> actual;

				storage.addToMasterStorage("meet ivy", "4", "april", "17",
"00", "", "");
				storage.addToMasterStorage("meet reuben", "4", "april",
"18", "00", "", "");
				size_t expected = 0;
```

```cpp
				logic.clearTask("all");

				actual = storage.retrieveTodayTaskList();
				Assert::AreEqual(expected,actual.size());

				storage.addToMasterStorage("meet ivy", "27", "5", "17",
"00", "", "");
				storage.addToMasterStorage("meet reuben", "27", "8", "18",
"00", "", "");
				logic.clearTask("all");

				actual = storage.retrieveUpcomingTaskList();
				Assert::AreEqual(expected,actual.size());

				storage.addToMasterStorage("go to school", "", "", "", "",
"", "");
				storage.addToMasterStorage("submit project", "", "", "",
"", "", "");
				logic.clearTask("all");
				actual = storage.retrieveFloatingTaskList();
				Assert::AreEqual(expected,actual.size());

				logic.addTask("meet ivy", "27", "3", "17", "00", "", "");
				logic.addTask("meet reuben", "27", "8", "18", "00", "",
"");

				logic.addTask("go to school", "", "", "", "", "", "");

				logic.clearTask("all");

				actual = storage.retrieveMasterTaskList();
				Assert::AreEqual(expected,actual.size());

			}
		};
}

			TEST_METHOD(AddTest)
			{
				// TODO: Your test code here
				architectureStorage storageAdd;
				size_t expected = 3;

				storageAdd.clearAllFromStorage();

				storageAdd.addToMasterStorage("meet ivy", "4", "april",
"17", "00", "", "");
				storageAdd.addToMasterStorage("meet ivy", "4", "april",
"15", "00", "", "");
				storageAdd.addToMasterStorage("meet ivy", "4", "april",
"18", "00", "20", "00");

				std:: vector<TASK> actual =
storageAdd.retrieveMasterTaskList();
				Assert::AreEqual(expected, actual.size());

				actual = storageAdd.retrieveTodayTaskList();
				Assert::AreEqual(expected, actual.size());

				storageAdd.addToMasterStorage("meet ivy", "20", "april",
"15", "00", "20", "00");
				storageAdd.addToMasterStorage("meet ivy", "25", "april",
"14", "00", "", "");
```

```cpp
                    expected = 5;
                    actual = storageAdd.retrieveMasterTaskList();
                    Assert::AreEqual(expected, actual.size());

                    expected = 2;
                    actual = storageAdd.retrieveUpcomingTaskList();
                    Assert::AreEqual(expected, actual.size());

                    storageAdd.addToMasterStorage("meet ivy at kfc", "", "",
"", "", "", "");
                    storageAdd.addToMasterStorage("meet ivy for cs2103
project", "", "", "", "", "", "");

                    expected = 5;
                    actual = storageAdd.retrieveMasterTaskList();
                    Assert::AreEqual(expected, actual.size());

                    expected = 2;
                    actual = storageAdd.retrieveFloatingTaskList();
                    Assert::AreEqual(expected, actual.size());
            }
        };
}
```

EasyToDo is able to

- Add timed/deadline/misc tasks and it will be displayed as according to each of the three boxes today, upcoming and miscellaneous and sorted by time in both today and upcoming, with the earliest right on top
- If the task is overdue, that means the task was supposed to be done yesterday, it will appear as red
- If the task clashes with another task, both will appear orange and italic
- If the task is done, it will be blue and strikeout e.g *["done misc 1"]*
- If the task is newly added, it will be (another shade of blue)
- Else the task will be black
- Delete task from today/upcoming/miscellaneous e.g *["delete today 1"].*
- Clear task from today/upcoming/miscellaneous/all e.g *["clear today"]*
- Press F1 for built-in guide
- Press F2 for colour legend
- Observe feedback
- Quicksearch highlighted in yellow
- Multiple undo
- Update task e.g *["update misc 1 meet zx for bbq at my house 15 april 14:00 – 16:00"]*
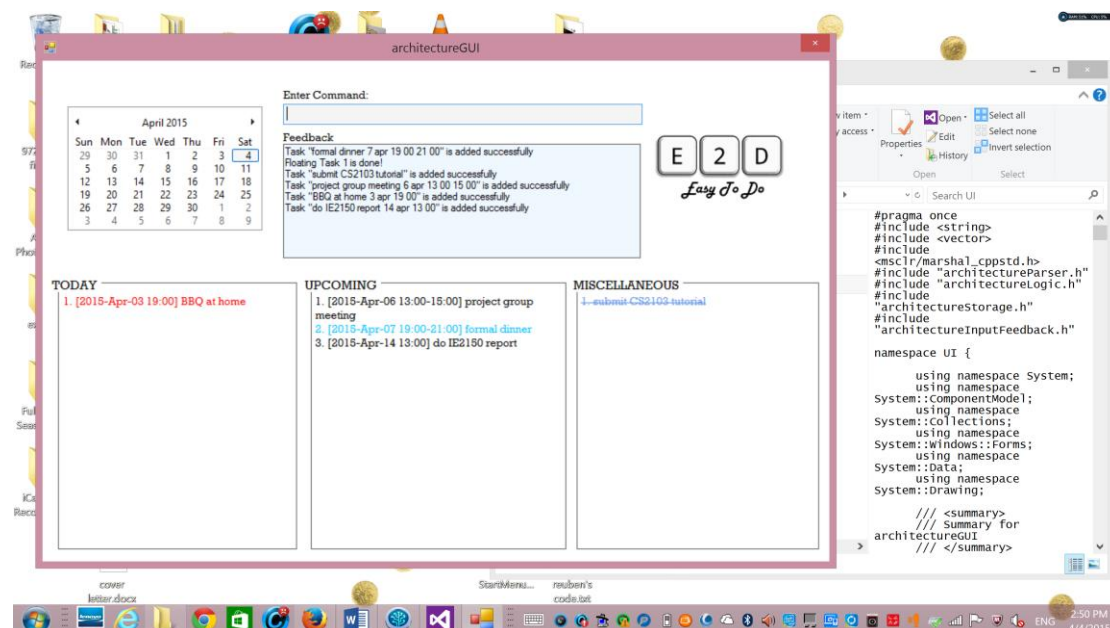
Enter Command:
do IE21

Feedback
Task "go kikki k 4 apr 20 00" is added successfully
Task "do IE2100 hw7" is added successfully
Task "formal dinner 7 apr 19 00 21 00" is added successfully
Floating Task 1 is done!
Task "submit CS2103 tutorial" is added successfully
Task "project group meeting 6 apr 13 00 15 00" is added successfully
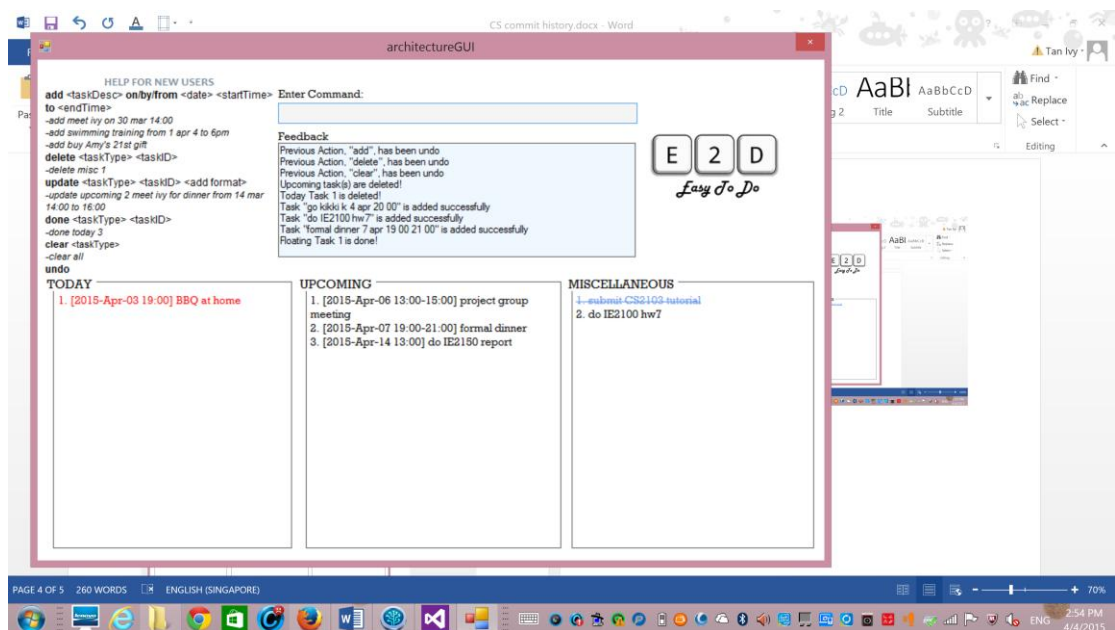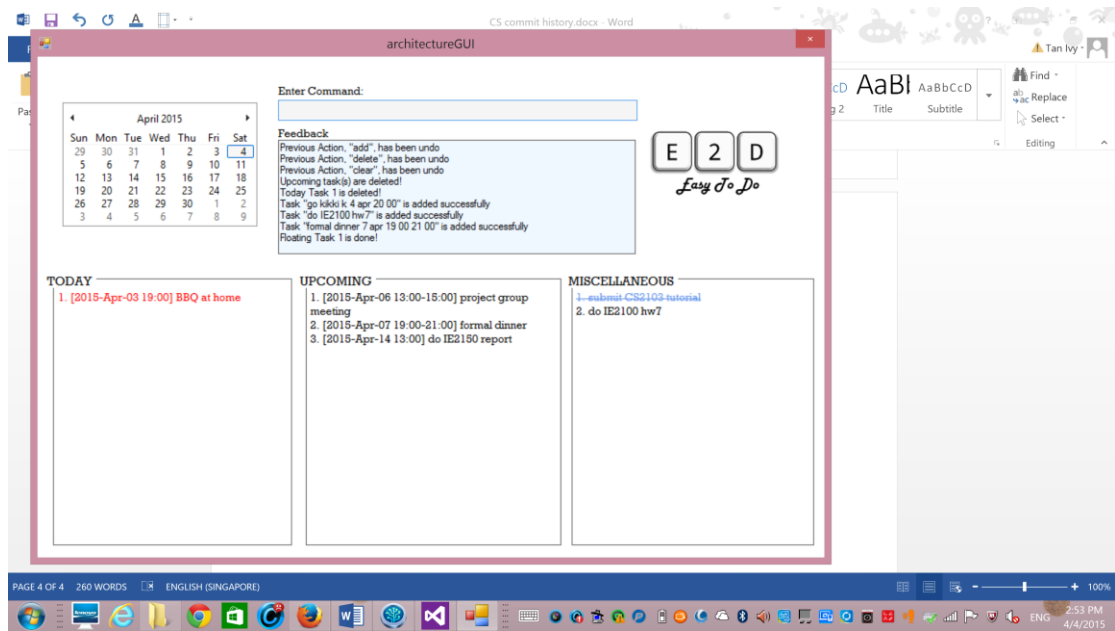Task "BBQ at home 3 apr 19 00" is added successfully
Task "do IE2150 report 14 apr 13 00" is added successfully

April 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

E 2 D
Easy To Do

TODAY
1. [2015-Apr-03 19:00] BBQ at home
2. [2015-Apr-04 20:00] go kikki k

UPCOMING
1. [2015-Apr-06 13:00-15:00] project group meeting
2. [2015-Apr-07 19:00-21:00] formal dinner
3. [2015-Apr-14 13:00] do IE2150 report

MISCELLANEOUS
1. submit CS2103 tutorial
2. do IE2100 hw7

Enter Command:

Feedback
Upcoming task(s) are deleted!
Today Task 1 is deleted!
Task "go kikki k 4 apr 20 00" is added successfully
Task "do IE2100 hw7" is added successfully
Task "formal dinner 7 apr 19 00 21 00" is added successfully
Floating Task 1 is done!
Task "submit CS2103 tutorial" is added successfully
Task "project group meeting 6 apr 13 00 15 00" is added successfully
Task "BBQ at home 3 apr 19 00" is added successfully

April 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

E 2 D
Easy To Do

TODAY
1. [2015-Apr-04 20:00] go kikki k

UPCOMING

MISCELLANEOUS
1. submit CS2103 tutorial
2. do IE2100 hw7

architectureGUI

CS commit history.docx - Word

Enter Command:

Feedback
Previous Action, "add", has been undo
Previous Action, "delete", has been undo
Previous Action, "clear", has been undo
Upcoming task(s) are deleted!
Today Task 1 is deleted!
Task "go kikki k 4 apr 20 00" is added successfully
Task "do IE2100 hw7" is added successfully
Task "formal dinner 7 apr 19 00 21 00" is added successfully
Floating Task 1 is done!

E 2 D
Easy To Do

April 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

TODAY
1. [2015-Apr-03 19:00] BBQ at home

UPCOMING
1. [2015-Apr-06 13:00-15:00] project group meeting
2. [2015-Apr-07 19:00-21:00] formal dinner
3. [2015-Apr-14 13:00] do IE2150 report

MISCELLANEOUS
1. submit CS2103 tutorial
2. do IE2100 hw7

PAGE 4 OF 4   260 WORDS   ENGLISH (SINGAPORE)   100%

---

architectureGUI

CS commit history.docx - Word

HELP FOR NEW USERS
add <taskDesc> on/by/from> <date> <startTime> **to** <endTime>
-add meet ivy on 30 mar 14:00
-add swimming training from 1 apr 4 to 6pm
-add buy Amy's 21st gift
delete <taskType> <taskID>
-delete misc 1
update <taskType> <taskID> <add format>
-update upcoming 2 meet ivy for dinner from 14 mar 14:00 to 16:00
done <taskType> <taskID>
-done today 3
clear <taskType>
-clear all
undo

Enter Command:

Feedback
Previous Action, "add", has been undo
Previous Action, "delete", has been undo
Previous Action, "clear", has been undo
Upcoming task(s) are deleted!
Today Task 1 is deleted!
Task "go kikki k 4 apr 20 00" is added successfully
Task "do IE2100 hw7" is added successfully
Task "formal dinner 7 apr 19 00 21 00" is added successfully
Floating Task 1 is done!

E 2 D
Easy To Do

TODAY
1. [2015-Apr-03 19:00] BBQ at home

UPCOMING
1. [2015-Apr-06 13:00-15:00] project group meeting
2. [2015-Apr-07 19:00-21:00] formal dinner
3. [2015-Apr-14 13:00] do IE2150 report

MISCELLANEOUS
1. submit CS2103 tutorial
2. do IE2100 hw7

PAGE 4 OF 5   260 WORDS   ENGLISH (SINGAPORE)   70%

GitHub, Inc. [US] | https://github.com/cs2103-jan2015-f11-3c/main/commits/master

branch: master ▾

Commits on Apr 1, 2015

Merge branch 'master' of https://github.com/cs2103-jan2015-f11-3c/main ...
a0115188a authored 2 days ago
a79febf ⟨⟩

added new class to store input and feedback
a0115188a authored 2 days ago
17bc875 ⟨⟩

reduced coupling
a0115188a authored 2 days ago
a6f48f4 ⟨⟩

vector parser
zxiangzx authored 3 days ago
e050cbe ⟨⟩

Commits on Mar 31, 2015

added in-guide help, more SLAP, quicksearch, change strikeout color
a0115188a authored 4 days ago
42ba7b8 ⟨⟩

adding new function called doneTask
reubenchoo authored 4 days ago
3cceec7 ⟨⟩

Commits on Mar 30, 2015

done for today and upcoming works, misc has an error
a0115188a authored 5 days ago
05ddb4e ⟨⟩

DELETE CAN WORK
a0115188a authored 5 days ago
72dc74d ⟨⟩

Commits on Mar 28, 2015

brand new GUI + more SLAP + able to strike out (not completely ready)
a0115188a authored 6 days ago
74799f9 ⟨⟩

Commits on Mar 27, 2015

resolved delete function, now can clear, add and delete all three box... ...
a0115188a authored 8 days ago
0607c36 ⟨⟩

v0.2 but having errors in tokenizing the DELETE function
reubenchoo authored 7 days ago
ded80e0 ⟨⟩