Test Case ID: TUTask01	**Test Designed by:** Jonatan Berg
Test Name: AddTaskJUnitTest	**Test Designed date:** 2017-04-24
Requirements tested: 2.2, 2.3	**Test Executed by:** Jonatan Berg
Description: Task creation testing with JUnit	**Test Excution date:** 2017-05-27

Pre-conditions: Task and AddTaskController classes are created.
Post-conditions: Tasks are successfully created with the correct information.

Part 1 – Testing one task

Step	Test Steps	Test Data	Comparison	Expected Result/Value	Actual Result/Value	Status (Pass/Fail)
1	Add a task using the method controller.addTheTask()	setTitle("TestTitle0"); setDescription("TestDescription0"); setStartDate(LocalDate.now().plusDays(0)); setEndDate(LocalDate.now().plusDays(1));	N/A	Task is created	Task is created	Pass
2	Test title	tasks.get(0).getTitle()	=	"TestTitle0"	"TestTitle0"	Pass
3	Test description	tasks.get(0).getDescription()	=	"TestDescription0"	"TestDescription0"	Pass
4	Test startTime	tasks.get(0).getStartTime()	=	LocalDate.now()	LocalDate.now()	Pass
5	Test endTime	tasks.get(0).getEndTime()	=	LocalDate.now().plusDays(1)	LocalDate.now().plusDays(1)	Pass

Part 2 – Adding 100 tasks and testing the last task

Step	Test Steps	Test Data	Comparison	Expected Result/Value	Actual Result/Value	Status (Pass/Fail)
1	Add 100 tasks	Increment Title, Description, Dates, Color and Priority by 1 for each task.	N/A	Tasks are created	Tasks are created	Pass
2	Test title	tasks.get(100).getTitle()	=	"TestTitle100"	"TestTitle100"	Pass
3	Test description	tasks.get(100).getDescription()	=	"TestDescription100"	"TestDescription100"	Pass
4	Test startTime	tasks.get(100).getStartTime()	=	LocalDate.now().plusDays(100)	LocalDate.now().plusDays(100)	Pass
5	Test endTime	tasks.get(100).getEndTime()	=	LocalDate.now().plusDays(101)	LocalDate.now().plusDays(101)	Pass

Part 3 – Testing the first task again

Step	Test Steps	Test Data	Comparison	Expected Result/Value	Actual Result/Value	Status (Pass/Fail)
1	Test title	tasks.get(0).getTitle()	=	"TestTitle0"	"TestTitle0"	Pass
2	Test description	tasks.get(0).getDescription()	=	"TestDescription0"	"TestDescription0"	Pass
3	Test startTime	tasks.get(0).getStartTime()	=	LocalDate.now()	LocalDate.now()	Pass
4	Test endTime	tasks.get(0).getEndTime()	=	LocalDate.now().plusDays(1)	LocalDate.now().plusDays(1)	Pass

Part 4 – Testing exceptions

Step	Test Steps	Test Data	Comparison	Expected Result/Value	Actual Result/Value	Status (Pass/Fail)
1	Test empty title	e.getMessage()	=	"Please insert title"	"Please insert title"	Pass
2	Test empty start date	e.getMessage()	=	"Select start date"	"Select start date"	Pass
3	Test empty end date	e.getMessage()	=	"Select end date"	"Select end date"	Pass
4	Test end date before start date	e.getMessage()	=	"End date cannot be before start date"	"End date cannot be before start date"	Pass