

**Test Case ID:** TUTimeline01

**Test Designed by:** Jonatan Berg

**Test Name:** AddTimelineJUnitTest

**Test Designed date:** 2017-04-18

**Requirements tested:** 2.1

**Test Executed by:** Jonatan Berg

**Description:** Timeline creation testing with JUnit

**Test Excution date:** 2017-05-27

**Pre-conditions:** Timeline class is created.

**Post-conditions:** Timelines are successfully created with the correct information.

### Part 1 – Testing one timeline

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

### Part 2 – Adding 100 timelines and testing the last timeline

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

### Part 3 – Testing the first timeline again

Step	Test Steps	Test Data	Comparison	Expected Result/Value	Actual Result/Value	Status (Pass/Fail)
1	Test title	timelines.get(0).getTitle()	=	"TestTitle0"	"TestTitle0"	Pass
2	Test description	timelines.get(0).getDescription()	=	"TestDescription0"	"TestDescription0"	Pass
3	Test startTime	timelines.get(0).getStartTime()	=	LocalDate.now()	LocalDate.now()	Pass
4	Test endTime	timelines.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 select a title"	"Please select a title"	Pass
2	Test empty start date	e.getMessage()	=	"Please select start date"	"Please select start date"	Pass
3	Test empty end date	e.getMessage()	=	"Please select end date"	"Please 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