Bug Report: Exercise 3

# Author

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# Bugs Discovered

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| Bug # | Test Case | Description of bug | class |
| 1 | testAddCourse\_Null | Null values result in an uncaught runtime exception | StudentTimeTable |
| 2 | testSetMaxCourses\_Negative | Negative values are not dealt with in the set max courses function | StudentTimeTable |
| 3 | testSingleLectureCourse\_CourseTimeNegative | Constructor does not deal with negative courseTime | SingleLectureCourse |
| 4 | testSingleLectureCourse\_LectureLengthNegative | Constructor does not deal with negative lectureLength | SingleLectureCourse |
| 5 | testStudentTimeTable\_Negative | Constructors treats negative integers as a valid input for a student number | StudentTimeTable |
| 6 | testSingleLectureCourse\_LectureLength\_AboveMax | You can input a lecture length of any size above 3 and the code does not throw an exception. This will cause big problems if mixed with more method calls. | SingleLectureCourse |
| 7 | testSingleLectureCourse\_LectureLengthZero | Lectured length of 0 is treated as valid input | SingleLectureCourse |
| 8 | testSingleLectureCourse\_CourseTimeAboveMax | The course start time can be set as any large number. This will lead to messy interactions with the rest of the code | SingleLectureCourse |
| 9 | testSingleLectureCourse\_CourseDayNull | The field courseDay being null when called in the constructor is not dealt with | SingleLectureCourse |
| 10 | testSingleLectureCourse\_CourseTimeZero | The course time can be 0 (default input) and is not changed, nor is an exception thrown | SingleLectureCourse |