

For details of the unit test cases code, please refer to the source code in github repository. Junit test cases are located in src/test

There are total 2 classes written for testing. One is trivial unit test cases for typical methods (ATUtest.java), another one is for testing with running the JavaFx application (AppTest.java) which make use of the TestFx library.

Test result generated from gradle:

Test Summary

16 tests	0 failures	0 ignored	5.763s duration	100% successful
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Packages

Classes

Package	Tests	Failures	Ignored	Duration	Success rate
ATU	16	0	0	5.763s	100%

Coverage report from IntelliJ IDE:

Element	Class, %	Method, %	Line, %
ATU	86% (26/30)	66% (162/244)	68% (878/1290)
> controller	100% (6/6)	71% (10/14)	67% (54/80)
> Ulcomponent	100% (6/6)	80% (24/30)	93% (90/96)
ATUEngine	50% (1/2)	41% (12/29)	37% (83/222)
CourseProject	100% (1/1)	75% (6/8)	62% (17/27)
Library	100% (3/3)	64% (22/34)	84% (175/206)
Main	0% (0/1)	0% (0/1)	0% (0/1)
Student	100% (1/1)	94% (16/17)	93% (68/73)
Team	100% (1/1)	72% (8/11)	85% (24/28)