

Testing Strategy Documentation

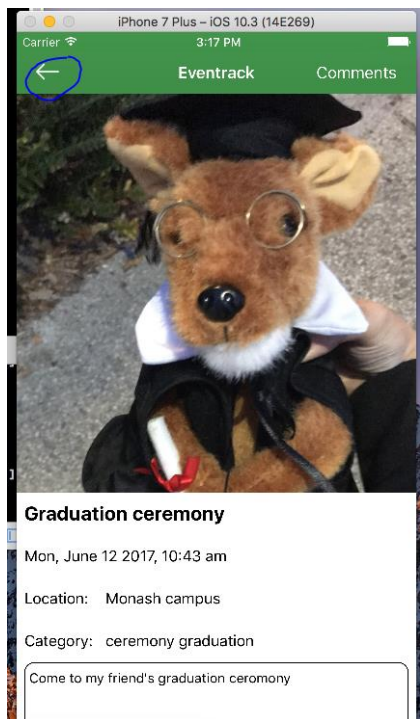
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While in the development, I used a testing strategy which is similar to Black Box Testing. It means after I have implemented one feature. I tested it using several inputs including correct inputs and wrong inputs to test the output. Since I know what should be the correct behaviour of the feature and the expected output, it is easy and quick for me to test each feature.

For example, when I've done one back button of a screen which is at the top left corner of the application, I usually click on the button to see if it goes back to the previous screen. Then I go to comments screen using the top right corner button and then go back to this screen again to test the back button in this screen. After few testing, I found that if this event is removed, it goes back to the comment screen which should not exist at all. Then I checked the code and found that one return value is not correct.



It is always quick to use Black Box testing rather than White Box testing because specification test is quicker and easier than looking into the code and analysis the logic. However, if the test samples are not enough to get all possible outcomes, Black Box testing will leave some hidden bugs due to the logic error.

Also, regression fault is important and should be test always. Since we cannot make the best coupling between modules, it is easy for us to get the regression fault when we change one line of the code. Then we need to check all the other implemented features to make sure that everything is not affected.

Then, testing null value and empty value is another task. It's better to test the whole application when there is no data in the database and see what happens for the null or empty value. Then debug each feature to see any missing handler for null value.

At last is the syntax error. It is easy to test using the complier in the system. Try to click all the buttons, tap everything to see if any user interface bug exists.

In conclusion, small test while developing the module and black box testing when finish the module development. Unit testing after everything is ready.