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Assignment - 4 & TDD, DDD, Monkey Testing, Grossilla Testing

### Assignment-4

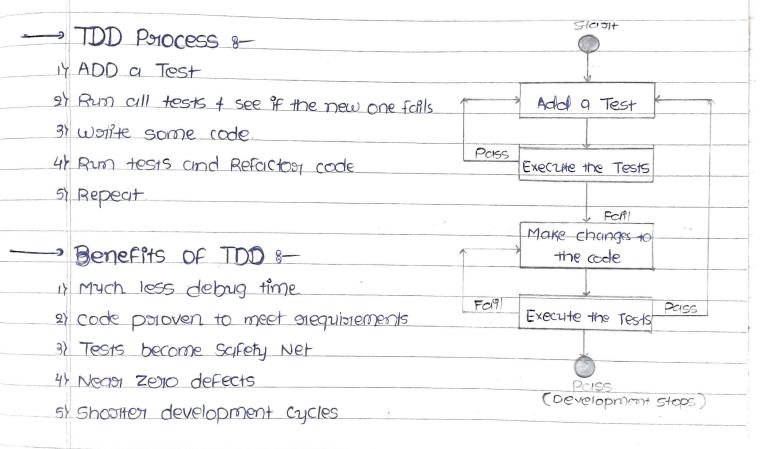




# \* Test Doliver Development (TDD) 8-

Test Dailven development is a software development paracess arelying on software arequirements being converted to test cases before software is fully aleveloped, and tracking all software development by alepeatedly testing the software against all test cases.

- Test-Daiven development is a parocess of developing and alumning crutomated test before actual development of the application. Hence, TDD sometimes also called as Test First Development.



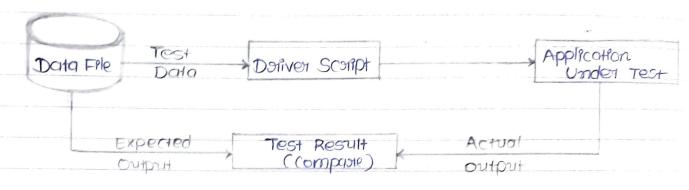
### -> Popular TDD Tools 8-

- il cs Unit: An open souble unit test tool that offers a TDD unit test following for Net policiects.
- I'l Junit: A Java TDD unit test foramewooks.
- 177 NUnit: This one again is used fool . Net palojects.
- M) PyUnit & A standard unit testing friamework for python.
- WY PHPUNIT & This one is used foot PHP polojects



# \* Data Daiven Testing (DDD):

- Data Dativer. Testing is software testing method in which test data is storied in table on spareadsheet footnat. Data driver testing allows testiens to input a single test scalipt that can execute test fool all test data form a table and expect the test output in same table. It is also called table-dailyon testing on parameterized testing.
- Data Dativen Farmewook is an automation testing Faramewook in both.
  Positive and negative test cases into a single test.



### why Data Daliven Testing :-

Data Daliven. Testing is important because testens faequently have multiple data sets food a single test and caleating individual tests food each dataset am be time-consuming.

### - Advantages of DDD &-

- 1. Allows to test application with multiple sets of data values dualing Regalession Testing.
- 2. Test data and verification data can be organized in just one Ale, and it is separate from the test case logic.
- 8. Actions and Functions can be sieused in different tests.
- 4. DDD can perform any phase of the development. A data-dativen test cases able generally merged in the single paracess.
- 5. Allows developens and testens to have clear separation for the logic of their test cases/Scaripts fellom the test data.
- The same test cases can be executed several times which helps to steduce test case and scoripts.



# Disadvantages of DDD 3-

- Quality of the test depended on the crutomation skills of the Implementing team.
- Data Validation is a time-consuming task when testing longe amount data.
- Maintenance is a big issue as large amount of coding needed Fool DDD.
- High-level technical skills asie slequisied. A tester may have to leasin an entisely new scripting language.

#### - conclusion s-

- Data-dativen is a test automation followers which stories test data in a table car sparead spareadsheet format.
- In Data-daliven test crutomation followed in single cer multiple data sources like xls, XML, as and database.
- To calente an individual test fool each dataset is a lengthy and timeconsuming palocess. Data Daliven Testing Follomewoods alesolves this issue by keeping the data separate Follom: Functional tests.
- In Datter Daviven Testing, 4t is an ideal option to use alletic information.

# \* Monkey Testing :-

Monkey testing is a software testing technique in which the testing is performed on the system under test alandomly. The Input dotte that is used to test also generated saddomly and keyed into the system.

#### Characteristics of Monkey Testing:

- This testing is so sandom that the tester many not be able to supplicative. The expression /defect.
- The scendario may NOT be definable and may NOT be the considert business case.
  - Monkey Testing needs testests with very good domain and technical expetise.





Advantages	of	Monkey	Testing 8

- As the scenarios that are tested able adhoc, system might be under Staless so that we can also check for the scaver slesponses.
- This testing is adopted to complete the testing, in positicular of there is a describe time crunch.

## Types of Monkey Testing 8

- It Smart Monkey: Tester has a priecise idea about system its puripose and functionality. Tester navigates training the System and gives valid imputs to perform testing.
- Dumb Monkey: Testers have no idea about system its puripose and functionality. Tester navigates through the system also no assurance about the validity of test case.
- 3) Benilliant Mankey: Testers perform testing as per user's behavior and can specify some palobabilities of bugs to have occurised.
- Monkey Testing can also be performed foor Andoroid even. Mankey Testing many get efficient with the use of tools. Even it can be used to find moste brigs like other testing types. If we use tool for Mankey Testing what could be the general paracess followed for it.
- The perocess of Munkey Testing can be authomated even with the use of tools but as it is some south of new kind of testing interoduced and not yet established an industry level these tooks have less identity, unlike others.



### Growilla Testing :

Glostilla Testing is a testing technique in which testers, sometimes developers also join hands with testers to test a pasticular module throspughly in all aspects.

- Glosilla Testing, a technique in which suspetitive Manual Testing policess, which a tester would have done several times before, is done again to test the subhustness of the system.

Grossilla Testing is a software testing technique cothere in a module of the Pstogorum is stepectedly tested to explose that it cooking constactly and there is no bug in that module.

A module can be tested over a hundred time, and in the same manner. So, crostilla Testing is also known as "Forustrating Testing".

Testing each position on module of a software to its baleaking point is known as Growilla testing. In other woolds, every minor code of the software is tested until it stabils to full apost on Fails to give the designed snesults.

#### Monkey Testing Globilla Testing - It is neither potedefined noot - Monkey Testing is perfeormed standownly with no specifically parediffined organdom. test cases Mankey Testing is performed an - Gronilly Testing is performed on specifically few selective modules entiale system can have several with few test coises test cases - Objective of Chosilla testing is to The objective of Monkey Testing is to check food system colcush. check cothether the module is

woodking polopoly on not