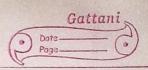
Name-Praven kerner College Id - 18CS 59



Assignment No.-3

what do you mean by segression testing emplains. In details?

Am:

Regression testing is the process of testing the modified perts of the code and the parts that might get affected due to the modification to ensure that no new errors have been introduced in the software after the modification have been merde.

Process of Regression testing & firstly, whenever we make some change to the source code for any reasons like adding new functionality, optimizertion etc., then our program when executed feels in the previously clesiqued test suits for obvious reasons. Affer the failure, the source codes es designed debugged in boder to identify the bugs in the program. After Identification of the buys in the source code, appropriate modification are mende. Then appropriate text cases are selected from the observery existing test suits wellich Covers all the modification and orffeeled pents of the source code. We can add new test Cases if required.

Tools for regression testing?

- most commonly used tooks for regression testing

are

- Selenium
- OTP (ouick test professional)
- after adding new functionalities to the System.
- a. 2) Explain oo system testing In details.
- Ans:) Whenever large scale systems are designed, object oriented testing is done sether than the conventional testing strategies as the concepts of object-wiented system testing is very different from that of conventional over
 - This whole concept revolves around "class".

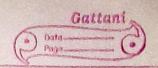
 The object-concept sevolves around "class".

 encompasses three levels, namely, unittesting, subsystem testing and system testing.
 - · unit testing + In unit testing, the individuals

 Classes are tested. Unit testing is

 the responsibilities of the application engineer

 who implements the standard.



- · Subsystem testing a This involves testing a particular module or a subsystem and is the responsibilities of the subsystem (cond.
 - Subsystem tests can be used as regression tests for each newly reloaned version of the system.
- System testing a System testing involves testing the system as a whole and is the sesponsibilities of the quality assurance Learn. The team often uses system test as regression test when assembling new release
- -> Object criented Testing Teahniques ->
 - Grey-box. Testing > The different types of test

 Cases that can be designed

 for testing object-oriented possessams are called

 get box grey box test cases.

 Some important grey box testing are is
 - State model based testing, This encompass a

 State corresogn, state toursition

 Coverage and State toursition path coverage.
 - Use case based testing, Each scenario in each use care is tested.



derived class, associations and aggragations are tested.

Sequence diagram boised testing of the methods in the mersage in the sequence diagram are tested.

a Categories of System testing +

- Alpha testing: This is carried out by the testing team within the organization that develops software.
- Beta testing & This is carried out by select group of co-operating currents.
- Acceptance testing This is carried out by the customers before accepting the deliverables.

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