**TEST PROCEDURE AND IMPLEMENTATION**

**Test Cases:**

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**Test Procedure and Implementation:**

Testing is vital to the success of the system. Testing has to use to be done for accuracy. Efficiency and effectiveness.

**Preparation of test data:-**

Software testing in the process of executing a program with the intent of finding an error. A successful test one that covers an error yet undiscovered. Testing servers to demonstrate that all functions in the system are fully operational and system performs according to specifications. The test data is prepared on the Requirements specified by the user. The user for the system also gives the sample data.

Following strategies are applied while Testing:-

***Unit Testing:-***

As and when modules implemented. It is tested at the same time. In this testing primarily the data structure defined in the module were checked. Input parameters, return values (interface) for input and output operations were examined

Error reporting is done with proper error message.

***Integration Testing:-***

After unit testing integration testing was supplied on integrated modules in order to fix the bugs occurred after module combination. In the testing, interface integrity and functional validity of the integrate module were the major checking issues.

***Requirements Testing:-***

System as a whole at the completion is tested against requirements specified in the analysis phase. This testing resulted into satisfaction of the user requirements that were targeted for the system.

***Alpha and Beta Testing:-***

Alpha and beta testing was done after all above testing stages to recover errors that only user can find. In this phase recording of software usage problems was done. As a result of problems reported report during beta testing, modification and enhancements are done.