**Test Summary Report**

* **Unit Test :**
  + **Objective :** 
    - Unit testing, a testing technique using which individual modules are tested to determine if there are any issues by the developer himself. It is concerned with functional correctness of the standalone modules.
  + **Techniques :**
    - Black Box Testing - Using which the user interface, input and output are tested.
    - White Box Testing - used to test each one of those functions behavior is tested.
  + **Report Summary:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Total Cases** | **Pass Cases** | **Fail Cases** |
| **Unit\_Test\_1.0** | **85** | **53** | **32** |
| **Unit\_Test\_2.0** | **85** | **85** | **0** |

* **Integration Test :**
  + **Objective :**
    - Upon completion of unit testing, the units or modules are to be integrated which gives raise to integration testing. The purpose of integration testing is to verify the functional, performance, and reliability between the modules that are integrated.
  + **Techniques :**
    - Big Bang Approach - Here all component are integrated together at once and then tested. It is convenient for small systems.
  + **Report Summary :**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Total Input data** | **Pass Input data** | **Fail Input data** |
| **Integration Testing Report 1.0 admin** | **56** | **54** | **2** |
| **Integration Testing Report 2.0 admin** | **2** | **2** | **0** |
| **Integration Testing Report 1.0 student** | **15** | **11** | **4** |
| **Integration Testing Report 2.0 student** | **4** | **4** | **0** |

* **System Test :**
  + **Objective :** 
    - System Testing (ST) is a black box testing technique performed to evaluate the complete system the system's compliance against specified requirements. In System testing, the functionalities of the system are tested from an end-to-end perspective.
  + **Techniques :**
    - System test falls under the black box testing category of software testing.
    - White box testing is the testing of the internal workings or code of a software application. In contrast, black box or System Testing is the opposite. System test involves the external workings of the software from the user's perspective.
  + **Report Summary :**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Total Cases** | **Pass Cases** | **Fail Cases** |
| **Student\_System\_Test** | **18** | **18** | **0** |
| **Admin\_System\_Test** | **30** | **30** | **0** |

* **Acceptance Testing :**
  + **Objective :**
    - Acceptance testing, a testing technique performed to determine whether or not the software system has met the requirement specifications. The main purpose of this test is to evaluate the system's compliance with the business requirements and verify if it is has met the required criteria for delivery to end users.
  + **Report Summary :**

|  |  |  |
| --- | --- | --- |
| **Total Cases** | **Pass Cases** | **Fail Cases** |
| **21** | **21** | **0** |

* **Automatic Testing :**
  + **Objective :** 
    - Check the system faster and repeatedly.
  + **Techniques :**
    - Used selenium for automated testing.
  + **Report Summary :**
    - Please refer Automatic testing generated file for that.