**Results of Testing for our Application**

**1. Admin login (successful)**

**Result:** Success

**Conditions Verified:** yes

**Expected Results:** Successfully uploaded

**Action Performed:** Enter details without leaving any field

**Pre Conditions:** Database Connectivity

**Test Description:** provide images, name, alias and checking type

**Test Case:** Admin Login (successful)

**2. Admin login (unsuccessful)**

**Result:** Success

**Conditions Verified:** yes

**Expected Results:** Display error message\alert box regarding the error

**Action Performed:** Enter invalid login details\leave any field without blank

**Pre Conditions:** Database Connectivity

**Test Description:** Report error message

**Test Case :** Admin Login (unsuccessful)

**3. Buyer Registration (successful)**

**Result:** Success

**Conditions Verified:** yes

**Expected Results:** Successfully Registered

**Action Performed:** Enter details without leaving any field

**Pre Conditions:** Database Connectivity

**Test Description:** provide user name, email id, Gender, Phone No& checking type

**Test Case:** Buyer Registration (successful)

**4. Buyer Registration (unsuccessful)**

**Result:** Success with error messages

**Conditions Verified:** yes

**Expected Results:** Display error message\alert box regarding the error

**Action Performed:** Enter invalid login details\leave any field without blank

**Pre Conditions:** Database Connectivity

**Test Description:** Report error message

**Test Case:** Buyer Registration (unsuccessful)

**Buyer Login (Successful)**

**Result:** Success, Display all the menu items under the buyer option.

**Conditions Verified:** yes

**Expected Results:** Successfully Login

**Action Performed:** Enter details without leaving any field

**Pre Conditions:** Database Connectivity

**Test Description:** provide user name, and user id , checking type

**Test Case:** Buyer Login (successful)

**Buyer login (unsuccessful)**

**Result:** Success with error message.

**Conditions Verified:** yes

**Expected Results:** Display error message\alert box regarding the error

**Action Performed:** Enter invalid login details\leave any field without blank

**Pre Conditions:** Database Connectivity

**Test Description:** Report error message

**Test Case:** Buyer Login (unsuccessful)

**5. Seller login (successful)**

**Result:** Success, Display all the menu items under the seller option.

**Conditions Verified:** yes

**Expected Results:** Successfully Login

**Action Performed:** Enter details without leaving any field

**Pre Conditions:** Database Connectivity

**Test Description:** provide user name, and user id , checking type

**Test Case:** Seller Login (successful)

**6. Seller login (unsuccessful)**

**Result:** Success with error message

**Conditions Verified:** yes

**Expected Results:** Display error message\alert box regarding the error

**Action Performed:** Enter invalid login details\leave any field without blank

**Pre Conditions:** Database Connectivity

**Test Description:** Report error message

**Test Case:** Seller Login (unsuccessful)

**6.4.2 Integration Testing**

After the unit testing we have to perform integration testing. The goal here is to see if modules can be integrated properly, the emphasis being on testing interfaces between modules. This testing activity can be considered as testing the design and hence the emphasis on testing module interactions.

In this project integrating all the modules forms the main system. When integrating all the modules I have checked whether the integration effects working of any of the services by giving different combinations of inputs with which the two services run perfectly before Integration.

* After the completion of unit testing, we tested the functionality of entire system by integrating all the modules.
* For example, in order a student to write an exam for a subject first he must be added as a student to that course by admin, and also question paper must also be loaded into the database for that subject. So here student module is depending on admin module. So we checked whether all students added by the admin are able to access the system to write the exams of their respective courses or not.
* In this way integration testing is followed also to test the interaction among all modules so that the functionality of one module may not affect the functionality of another module in adverse way.

**6.4.3 System Testing**

Here the entire software system is tested. The reference document for this process is the requirements document, and the goal as to see if software meets its requirements.

In the system testing we tested the entire system basing on System requirements specification document i.e., whether the functionality we proposed in document is achieved or not. Here we achieved every thing what ever we specified write from the login, taking exam, pdf conversion, evaluation to viewing results by the student.

**6.4.4 Acceptance Testing**

Acceptance Test is performed with realistic data of the client to demonstrate that the software is working satisfactorily. Testing here is focused on external behavior of the system; the internal logic of program is not emphasized.

Test cases should be selected so that the largest number of attributes of an equivalence class is exercised at once. The testing phase is an important part of software development. It is the process of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied. Our system underwent acceptance test from people who are not involved in the project.

**6.5 Criteria Satisfied by Test Cases**

* + - * 1. Test cases that reduced by a count that is greater than one, the number of additional test cases that much be designed to achieve reasonable testing.
        2. Test cases that tell us something about the presence or absence of classes of errors, rather than an error associated only with the specific test at hand.

In order to test the over all system only one method of testing is not enough, so we have done wide range of tests to validate the functionality of the system.