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Namal Tutorial Groups Management System Testing Report

*This document explains the various
activities performed as a part of Testing of
this Software.*

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1. Application Overview

Groups' allocation system is a desktop application. In this application SSO (Student Support Office) can allocate groups to students and staff members (tutors). He/she can add, remove and modify the given information of students, tutors and groups. In order to check that all these functionalities work properly, I performed testing to fulfill the purpose.

1.1 Testing Scope

- ✓ Login Test
- ✓ Adding Students and Staff Members Information Test
- ✓ Removing Students and Staff Members Information Test
- ✓ Editing Students and Staff Members Information Test
- ✓ Allocating Groups Test
- ✓ Editing Groups Test
- ✓ Removing Groups Test

2. Types of Testing Performed

2.1 Smoke Testing

The application was tested manually by using its different functionalities and the result were considered before writing this report and on the basis of those results, the testing results were deduced. It was authenticated that all the major functionalities are working properly.

2.2 System Integration Test

This is the type of testing performed on the application under test, to verify the entire application working as per the requirements. Critical business scenarios were tested to make sure those important functionalities in the application are working as intended without any errors.

3. Testing Environment and Tools

3.1 Login Testing

It was observed that only that user was allowed to login into the software, which has a valid username and password and the user must be SSO member. The error message was displayed on the screen, if the user entered a wrong username or password.

3.2 Adding Students and Staff Members Information Test

SSO can add students and staff members. The functionality was tested by adding different students and staff members and the results proved that the functionality is working precisely and properly.

3.3 Removing Students and Staff Members Information Test

The information of students and staff members can be removed by administrator (SSO). The overall functionality was checked by removing different students and staff members (tutors) and proved that it is working properly.

3.4 Editing Students and Staff Members Information Test

The information of students and staff members (tutors) can be edited by SSO, if any information of some particulars was entered incorrect by sheer mistake. So number of tests was held to edit and modify the incorrect information to correct one and tests were proved that the functionality is working preciously.

3.5 Allocating Groups Test

Administrator has full rights to allocate groups to different students and staff members (tutors) and the testing was proved that it is working great and groups were allocated to students and staff members successfully.

3.6 Editing Groups Test

The very important functionality of application is editing. For example a student or tutor wants to change group then with the help of this functionality, it can be done. The testing was done on that functionality and number of students and tutors were changed from different groups to others and proved that the functionality is working properly.

3.7 Removing Groups Test

Groups can be removed from the list of groups by admin and this functionality was done by testing and proved that it is working very well according to the given demand.

4. Conclusion

The application meets almost all the basic requirements put forward by Namal College in the project. Application is working like a perfect desktop application and provides a friendly user interface to users.