**LMS Test Cases**

**1.0 Admin Test Cases**

1.1 Admin – Logging In:

1. User is prompted Username & Password;
2. Fill-in Username;
3. Fill-in Password;
4. Click “Login”;
5. If combination is incorrect, error message shows and must retry;
6. Else, **Admin Main Menu** Shows.

1.2 Admin - add a student record:

1. Successful Admin Login
2. Shows **Admin Main Menu**
3. Admin clicks on student table icon
4. Admin opens student table
   1. If there are not students on table. A message will pop up to add students
5. Admin adds new student onto student table
   1. If there is a student with the same info, a duplicate warning will pop up.
6. Admin saves changes to student table

1.3 Admin - edit a student record:

1. Successful Admin Login
2. Shows **Admin Main Menu**
3. Admin clicks on student table icon
4. Admin opens student table
   1. If there are not students on table. A message will pop up to add students
5. Admin can sort student table by student\_last\_name and/ or student\_id
6. Admin selects desired student on student table
7. Admin edits student record
8. Admin saves changes to student table

1.4 Admin - delete a student record:

1. Successful Admin Login
2. Shows **Admin Main Menu**
3. Admin clicks on student table icon
4. Admin opens student table
   1. If there are not students on table. A message will pop up to add students
5. Admin can sort student table by student\_last\_name and/ or student\_id
6. Admin selects desired student on student table
7. Admin deletes selected student record
   1. A screen will show that this action of deleting a student cannot be undone. It will ask to Admin if sure to delete the student.
8. Admin saves changes to student table

1.5 Admin - add a faculty record:

1. Successful Admin Login
2. Shows **Admin Main Menu**
3. Admin clicks on faculty table icon
4. Admin opens faculty table
   1. If there are not faculty on table. A message will pop up to add faculty
5. Admin can sort student table by faculty\_last\_name and/ or staff\_id
6. Admin adds new faculty onto faculty table
   1. If there is a faculty with the same information, a duplicate warning will pop up
7. Admin saves changes to faculty table

1.6 Admin - edit a faculty record:

1. Successful Admin Login
2. Shows **Admin Main Menu**
3. Admin clicks on faculty table icon
4. Admin opens faculty table
   1. If there are not students on table. A message will pop up to add faculty
5. Admin can sort faculty table by faculty\_last\_name and/ or staff\_id
6. Admin selects desired faculty on faculty table
7. Admin edits faculty record
8. Admin saves changes to faculty table

1.7 Admin - delete a faculty record

1. Successful Admin Login
2. Shows **Admin Main Menu**
3. Admin clicks on faculty table icon
4. Admin opens faculty table
   1. If there are not students on table. A message will pop up to add faculty
5. Admin can sort faculty table by faculty\_last\_name and/ or staff\_id
6. Admin selects desired faculty on faculty table
7. Admin deleted selected faculty record
   1. A screen will show that this action of deleting a faculty record cannot be undone. It will ask to Admin if sure to delete the faculty.
8. Admin saves changes to faculty table

1.8 Admin - add a course record:

1. Successful Admin Login
2. Shows **Admin Main Menu**
3. Admin clicks on course icon
4. Admin opens course table
   1. If there are not courses on table. A message will pop up to add course
5. Admin can sort student table by course\_name and/ or course\_id
6. Admin adds new course onto course table
7. Admin saves changes to course table

1.9 Admin - edit a course record:

1. Successful Admin Login
2. Shows **Admin Main Menu**
3. Admin clicks on course icon
4. Admin opens course table
   1. If there are not courses on table. A message will pop up to add course
5. Admin can sort student table by course\_name and/ or course\_id
6. Admin selects desired course on course table;
7. Admin edits selected course record
8. Admin saves changes to course table

1.10 Admin - delete a course record:

1. Successful Admin Login
2. Shows **Admin Main Menu**
3. Admin clicks on course icon
4. Admin opens course table
5. Admin can sort student table by course\_name and/ or course\_id
6. Admin selects desired course on course table;
7. Admin deletes selected course record
   1. A screen will show that this action of deleting a course cannot be undone. It will ask to Admin if sure to delete the course.
8. Admin saves changes to course table

**2.0 Student Test Cases:**

2.1 Student – Logging In:

1. User is prompted Username & Password;
2. Fill-in Username;
3. Fill-in Password;
4. Click “Login”;
   1. If combination is incorrect, error message shows and must retry;
5. **Student Records** will be displayed.

2.2 Student – Displaying **Student Records**:

1. Successful Student Login
2. Student is welcomed with his/her **Student Records**.
3. Courses are displayed;
   1. If there are not courses. An error will pop up stating that student needs to enroll to courses
4. Grades are displayed;
5. GPA is displayed;
6. “Add Course” Button is displayed;
7. “Drop Course” Button is displayed.

2.3 Student – Adding Course:

1. Successful Student Login
2. Student is welcomed with his/her **Student Records**.
3. User clicks “Add Course”;
4. All available courses are displayed;
5. User can search for name of course or keywords;
6. Clicks class interested in;
   1. If a class is full. A pop up will show that the class is full. Else, it will allow the student to continue
7. Chooses available classroom;
8. Class info displays;
9. Click “Enroll”;
10. User is prompted confirmation window;
11. Click “Accept”;
12. Course is added.

2.4 Student – Dropping Course

1. Successful Student Login
2. Student is welcomed with his/her **Student Records**.
3. User clicks “Drop Course”;
4. Current courses are displayed;
5. Select which course to drop;
6. User is prompted with confirmation window;
7. Click “Accept”;
8. Course is removed.

**3.0 Faculty Test Cases:**

3.1 Faculty – Logging In:

1. User is prompted Username & Password;
2. Fill-in Username;
3. Fill-in Password;
4. Click “Login”;
   1. If combination is incorrect, error message shows and must retry;
5. **Faculty Main Menu** is displayed.

3.2 Faculty – Display Assigned Courses

1. Successful Faculty Login
2. Shows **Faculty Main Menu**
3. Go to tab “Courses”
4. Select option “DisplayCourses”
   1. If faculty does not have any assigned courses, an error screen will show up. Else, it will open screen.
5. “DisplayCourses” will show faculty’s assigned courses

3.3 Faculty – Display Students in course

1. Successful Faculty Login
2. Shows **Faculty Main Menu**
3. Go to tab “Courses”
4. Select option “DisplayCourses”
   1. If faculty does not have any assigned courses, an error screen will show up. Else, it will open screen.
5. “DisplayCourses” will show faculty’s assigned courses
6. Select an assigned course to see students enrolled
7. List will show students registered in course
   1. If no students are enrolled, a result will show as “no students enrolled”

3.4 Faculty – Select Student

1. Successful Faculty Login
2. Shows **Faculty Main Menu**
3. Go to tab “Courses”
4. Select option “DisplayCourses”
   1. If faculty does not have any assigned courses, an error screen will show up. Else, it will open screen.
5. “DisplayCourses” will show faculty’s assigned courses
6. Select an assigned course to see students enrolled
7. List will show students registered in course
   1. If no students are enrolled, a result will show as “no students enrolled”
8. Select a student
9. Show course grade