	Student Information System						
ID	**Test Case Description**	**Test Case Procedure**	**Expected Output**	**Test date**	**Result**	**State**	**Note**

Test suite1. AdminLoginTest

ID	Test Case Description	Test Case Procedure	Expected Output	Test date	Result	State	Note
TC1: testSend()	Test Admin login valid	1: Enter username: "admin" 2: Enter pass: "admin" 3: Click button Login	View Dashboard form of Admin			Pending	Pre-conditions: User has valid username: "admin" and password: "admin"
TC2: testSend1()	Test case checking admin login with null username.	1: Enter username: "" 2: Enter pass: "admin" or null 3: Click button Login	Show message : **"Tên đăng nhập không được trống!"**			Pending	
TC3: testSend2()	Test case checking admin login with null pass.	1: Enter username: "admin" or null 2: Enter pass: "" 3: Click button Login	Show message : ""Mật khẩu không được trống!""			Pending	
TC4: testSend3()	Test case checking admin login with null username and password.	1: Enter username: "" 2: Enter pass: "" 3: Click button Login	Show message : "Mật khẩu va password không được trống!"			Pending	
TC5: testSend4()	Test case checking admin login with not exists user in database.	1: Enter username: "usernotindatabase" 2: Enter pass: "password" 3: Click button Login	Show message : **"Không tồn tại User!"**			Pending	
TC6: testSend5()	Test case admin login wrong password.	1: Enter username: "admin" 2: Enter pass: "passwordwrong" 3: Click button Login	Show message : "Wrong password!"			Pending	

Test suite2. CreateCoursesTest

ID	Test Case Description	Test Case Procedure	Expected Output	Test date	Result	State	Note
TC1: testCreateNewCourse()	Test case Create new course successfully.	1: Enter form input data (TextField, Combobox, DateTimePicker,... with data in column Note) 2: Click Submit button AddNew.	New record added in table Show message: **"Đã tạo mới thành công mã lớp: "**			Pending	Pre-conditions: maLop = "123456"; batDau = "12:30:00"; ketThuc = "15:30:00"; thu = "5"; tuanHoc = "2-9/11-18"; loaiLop = "LT+BT"; maMonHoc = "IT1010"; nhom = "TC TEST"; phongHoc = "TESTROOM"; maxDK = 100; hocki = "20181"; Str = "2018-12-31";
TC2: testUpdateCourse()	Test case Update course successfully.	1: Click row in table form input(data will auto load into TextField, Combobox, DateTimePicker, ...) 2: Click Submit button Update	New record updateded in table Show message: **"Đã cập nhật dữ liệu thành công!"**			Pending	Pre-conditions: maLop = "123456"; batDau = "12:30:00"; ketThuc = "15:30:00"; thu = "5"; tuanHoc = "2-9/11-18"; loaiLop = "LT+BT"; maMonHoc = "IT1010"; nhom = "TC TEST"; phongHoc = "TESTROOM UPDATE"; maxDK = 100; hocki = "20181"; Str = "2018-12-31";
TC3: testDeleteCourse()	Test case Delete course successfully.	1: Click row in table form input(data will auto load into TextField, Combobox, DateTimePicker, ...) 2: Click Submit button Delete	Record removed from table Show message: **"Đã xóa thành công mã lớp!"**			Pending	Pre-conditions: User must chosse row to delete if not will show message **"Bạn chưa chọn lớp cần xóa!"**
TC4: testDeleteError1()	Test case Check delete course(class) with more than 20 students registered.	1: Click row in table form input(data will auto load into TextField, Combobox, DateTimePicker, ...) 2: Click Submit button Delete	Show message: **"Bạn không thể xóa lớp ĐK: Do lớp đã có đủ tối thiểu 20 sinh viên"**			Pending	

Test suite3. ChangePasswordTest

ID	Test Case Description	Test Case Procedure	Expected Output	Test date	Result	State	Note
TC1: testChangePasswordUser()	Test case change password successfully.	1: Enter Old Pass: pass="20148888" 2: Enter New Pass: pass= "testupdate" 3: Enter Confirm New Pass: pass= "testupdate"	Show message : "Đã thay đổi mật khẩu thành công!!"			Pending	Pre-conditions: **User has valid username and password**
TC2: testChangePasswordUser1()	Test case Old password not match or null.	1: Enter Old Pass: pass="20148888testnotmatch" or null 2: Enter New Pass: pass= "testupdate" 3: Enter Confirm New Pass: pass= "testupdate"	Show message : **"Mật khẩu cũ không đúng!!"**			Pending	Pre-conditions: **User has valid username and password**
TC3: testChangePasswordUser2()	Test case New password not match or null.	1: Enter Old Pass: pass="20148888" or null 2: Enter New Pass: pass= "testupdate" 3: Enter Confirm New Pass: pass= "testupdatenotmatch"	Show message : **"Mật khẩu mới không trùng khớp!"**			Pending	Pre-conditions: **User has valid username and password**

Test suite4: ScheduleTest

ID	Test Case Description	Test Case Procedure	Expected Output	Test date	Result	State	Note
TC1: testFetchData()	Test case Schedule with function search information.	1: Enter data need to search. 2: Enter button Search.	Right data show on table			Pending	Pre-conditions: Has valid data in database other scenarios failed have no data show on table

Test suite5: ManagerUserTest

ID	Test Case Description	Test Case Procedure	Expected Output	Test date	Result	State	Note
TC1:testCheckInfo1()	Test case Check null user when create new User.	1: Enter username = "" 2: Click button AddNew. (password null or not)	Show message : "Tên đăng nhập không được trống!"			Pending	
TC2:testCheckInfo2()	Test case Check null password when create new User.	1: Enter pass = "" 2: Click button AddNew. (user null or not)	Show message : "Nhập mật khẩu sai!"			Pending	
TC3: testCheckInfo()	Test case check add new user success.	1: Enter username = "testusername" 2: Enter pass= "passtest"	Nothing happened			Pending	
TC4: testDeleteUser()	Test case check delete user.	1:Select row to Delete 2: Click button Delete	Show message : "Đã xóa thành công User: "			Pending	Pre-conditions: User need to select row in table.
TC5: testUpdateUser()	Test case check update user.	1:Select row to Update 2: Click button Update	Show message : "Đã cập nhật dữ liệu thành công!"			Pending	Pre-conditions: User need to select row in table.