Login Module

Test ID	Name	Precondition Steps	Steps	Expected Results	Actual Result	Status (Pass/Fail)
1	User login	1. User is student or supervisor 2. User must be in database.	1. Fill in correct username and password 2. Click Login button	Redirect to user's homepage	Redirect to user's homepage	Pass
2	Admin login	1. User is admin 2. User must be in database.	1. Fill in correct username and password 2. Click Login button	Redirect to admin page	Redirect to admin page	Pass
3	Incorrect authorization		1. Fill in incorrect username and password 2. Click Login button	Show error message	Show error message	Pass
4	Inactive account login	1. User must be registered. 2. User account is inactive	1. Fill in incorrect username and password 2. Click Login button	Show error message	Show error message	Pass
5	Logout	1. User must be logged in.	1. Click Logout button	Redirect to login page	Redirect to login page	Pass

Profile Module

Test ID	Name	Precondition Steps	Steps	Expected Results	Actual Result	Status (Pass/Fail)
1	View profile	1. User must be logged in.	1. Go to Profile tab	User's info are displayed correctly	All user's info are displayed correctly/	Pass
2	Edit profile	1. User must be logged in.	1. Go to Profile tab 2. Fill in new info 3. Click Submit button	User's info are updated accordingly	User's info are updated accordingly	Pass
3	Change password	1. User must be logged in.	1. Go to profile tab 2. Click change password (go to change password page)	User's password are updated accordingly	User's password are updated accordingly	Pass
4	Search profile	1. User must be logged in.	1. Go to Navigation search bar 2. Type in keyword: username or user type (student or supervisor) 3. Click Search button	List profile with matching keyword for username and type in a table. .	Username with the searched keyword are listed in search result table.	Pass
5	Update progress	1. User must be logged in. 2. User is supervisor.	1. Go to the supervising research student's profile 2. Click on Update	Research student's progress are updated accordingly.	Research student's progress are updated accordingly.	Pass

			Progress 3. Input latest progress status 4. Click Update button			

User Management

Test ID	Name	Precondition Steps	Steps	Expected Results	Actual Result	Status (Pass/Fail)
1	Add user	1. User must be logged in. 2. User is admin.	1. Go to admin's manage profile page 2. Click add profile 3. Input user name and password for new user. 4. Click Add User 5. Create new Profile with newly created user 6. Click Save	New user and profile added to database with the correct information.	New user and profile added to database with the correct information.	Pass
2	Delete user	1. User must be logged in. 2. User is admin.	1. Go to admin's manage profile page 2. Select the user to be deleted. 3. Click Delete button.	Selected user and profile record is removed from the database.	Selected user and profile record is removed from the database.	Pass
3	Edit user	1. User must be	1. Go to admin's	Selected user's	Selected user's	Pass

Test ID	Name	Precondition Steps	Steps	Expected Results	Actual Result	Status (Pass/Fail)
		logged in. 2. User is admin.	manage profile page 2. Select the user to be edited. 3. Click Edit button 4. Input field to be edited. 5. Click Save button.	information are updated.	information are updated.	
4	Search user	1. User must be logged in. 2. User is admin.	1. Go to admin's manage profile page 2. Type in keyword: username or user type (student or supervisor) 3. Click Search button	List profile with matching keyword for username and type in a table.	Profile with matching keyword for username and type listed in a table.	Pass
			1. Select user type	List user of selected user type.	List user of selected user type.	Pass

Appointment Module

Test ID	Name	Precondition Steps	Steps	Expected Results	Actual Result	Status (Pass/Fail)
1	User(student and supervisor) is able to view appointment details	1. User must be log into the system 2. User has added an appointment before	1. Go to appointment page	List of related appointment details is shown to respective user (empty table if no appointment)	List of related appointment details is shown to respective user (empty table if no appointment)	Pass

2	User is able to make appointment	1. User must be a student 2. User must be log into the system	1. Go to appointment page 2. All fields in form is fill correctly 3. Submit	Appointment is added to the form	Appointment is added to the form	Pass
3	User is able to approve/reject appointment	1. User must be a supervisor 2. User must be log into the system	1. Go to appointment page/the notification bar 2. Fill form 3. Submit	Appointment Status is updated in the database	Appointment Status is updated in the database	Pass
4	User is unable to add appointment	1. Date is before current date	1. Go to appointment page 2. All fields in form is fill, but the date is before current date 3. Submit	Error message shown that the form is invalid	Error message shown that the form is invalid	Pass

File Module Login

Test ID	Name	Precondition Steps	Steps	Expected Results	Actual Result	Status (Pass/Fail)
1	Upload File	1. User must be logged into the system. 2. User must be student or	1. Go to file page. 2. Click "add file". 3. Select file and fill in file name. 4. Upload	File is uploaded to the database.	File is uploaded to the database.	Pass

		supervisor			
2	Delete File	1. User must be logged into the system 2. User must be student or supervisor 3. The file must be belong to the user.	1. Go to file page. 2. Press "delete" button of the file that user want to delete.	File is deleted and removed from database.	File is deleted and removed from database.	Pass
3.	Search File	1. User must be logged into the system 2. User must be student or supervisor	1. Go to file page. 2. Fill the file name or keyword in search bar. 3. Press "search" button.	Only files that matched the keyword and related to that user will display.	Only files that matched the keyword and related to that user will display.	Pass
4.	Download File	1. User must be logged into the system 2. User must be student or supervisor 3. The file must have related to the file.	1. Go to file page. 2. Press "download" button of the file that user want to download.	File downloaded.	File downloaded.	Pass

Subject Management Module (Admin)

Test ID	Name	Precondition Steps	Steps	Expected Results	Actual Result	Status (Pass/Fail)
1	Add new subject.	1. User must be logged into the system 2. User must be admin.	1. Go to subject management page. 2. Select "add subject" 3. Fill in subject name, credit hour, fee. 4. Click "save".	New subject added to database.	New subject added to database.	Pass

Subject Management Module (Student)

Test ID	Name	Precondition Steps	Steps	Expected Results	Actual Result	Status (Pass/Fail)
1	View enrolled subjects	1. User must logged into system. 2. User must be student.	1. Go to subject page.	Subject list displayed.	Subject list displayed.	Pass
2.	Enroll new subject	1. User must logged into system. 2. User must be	1. Go to subject page. 2. Click "enroll new subject" button.	Subject added to the student's subject list.	Subject added to the student's subject list.	Pass

			student.	3. Select subject. 4. Click "enroll" button.			
3.	Delete subject	1. User must logged into system. 2. User must be student. 3. Student must enrolled the subject that wish to delete.	1. Go to subject page. 2. Click "delete" button of the subject that the student wish to delete.	Subject removed from the subject list.	Subject removed from the subject list.	Pass

Transaction Module

Test ID	Name	Precondition Steps	Steps	Expected Results	Actual Result	Status (Pass/Fail)
1	User is able verified transaction	1. User must be student 2. User must be log into the system	1. Go to Transaction page 2. Fill form 3. Submit	Transaction details are added to the table	Transaction details are added to the table	Pass
2	User is able generate transaction report	1. User must be student 2. User must be log into the system 3. User has already verified transaction	1. Go to Transaction page 2. Select report generation	Report will be shown to User	Report will be shown to User	Pass
3	User is unable to generate transaction report	1. User must be student 2. User must be log into the system 3. User has not verified transaction	1. Go to Transaction page 2. Select report generation	Error message will be shown "invalid, transaction has not been verified"	Error message will be shown "invalid, transaction has not been verified"	Pass

Application module

Test ID	Name	Precondition Steps	Steps	Expected Results	Actual Result	Status (Pass/Fail)
1	Application information fill in	1. Must in application form page	1. Go to Login page 2. Fill in all information required 3. Click submit button	Redirect to login page	Redirect to login page	Pass
2	Incorrect fill in information and empty	1. Must in application form page	1. Go to login page 2. Click submit button	Display error message	Display error message	Pass
3	View list of application request and detail information of applicator	1. User must be admin 2. User must log into the system	1. Go to list page 2. Click view button to display detail information	1. Redirect to list page and show all application request 2. Redirect to detail page	3. Redirect to list page and show all application request 4. Redirect to detail page	Pass
4	Approval application request and create a new username	1. User must be admin 2. User must log into the system	1. Go to detail page 2. Fill in new username and password and click create new	Redirect to list page and new username is created and application request is hide from list table	Redirect to list page and new username is created and application	Pass

				user button		request is hide from list table	
5	Reject application request	1. User must be admin 2. User must log into the system	1. Go to detail page 2. In detail page and click reject button to remove the application request	Redirect to list page and the rejected application request is removed	Redirect to list page and the rejected application request is removed	Pass