UiTM Raub Club Registration System Software Testing Documentation (STD)

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GROUP: CDCS1104E

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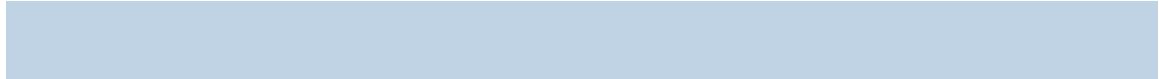**Ahmad Azib bin Azmi, 2022609928**

Revision History

Name	Date	Reason For Changes	Version

Approvals Signature Block

Organization Responsibility	Signature	Date
Mohd Azim Bin Zainal		
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1.   Introduction

1.1   Document Purpose

The objective of system testing for the Club Registration System is to verify the accuracy and completeness of its functionality. This includes confirming that all key features such as club registration, member management, event and announcement coordination, and search capabilities function correctly and align with the specified requirements.

System testing aims to detect and correct any deviations between the designed specifications and the actual system behavior, ensuring a smooth and efficient user experience. Additionally, it focuses on validating the seamless flow and interaction of data across various modules, thereby confirming the integration and coordination of the system's components.

1.2   References

System Requirement Specification (SRS Version 1.0)
Software Design Description (SDD Version 1.1)

2. Features to be tested

Test Case #: 1	Test Case Name: User Registration
System: UiTM Raub Club Registration System	Subsystem: User Management
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Muhammad Izwan Bin Mohd Sharil	Execution Date: 04/07/2024
Short Description: Validate the user registration process.	

Pre-conditions

- The system must be running.
- The registration page must be accessible.
- The user must not already exist in the system.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the registration page.	- Registration form is displayed. - Prompt to enter username, email, password, matric number, current semester and program code will be displayed		
2	Enter valid user details.	- System accepts input and enables the "Register" button.		
3	Click "Register".	- System creates a new user and redirects to the login page.		

Post-conditions

- A new user account is created in the database.

Test Case #: 2	Test Case Name: User Login
System: UiTM Raub Club Registration System	Subsystem: Authentication
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Muhammad Izwan Bin Mohd Sharil	Execution Date: 04/07/2024
Short Description: Verify that a registered user can log in.	

Pre-conditions

- The user must be registered in the system.
- The system must be operational.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the login page.	- Login form is displayed. - Prompt to enter email and password will be displayed		
2	Enter valid username and password.	- System validates credentials.		
3	Click "Login".	- Users are redirected to their dashboard.		

Post-conditions

- User is logged in and has access to their dashboard.

Test Case #: 3	Test Case Name: Club Search
System: UiTM Raub Club Registration System	Subsystem: Club Management
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Aziq Hilman Bin Abdul Rahim	Execution Date: 04/07/2024
Short Description: Test the ability to search for clubs.	

Pre-conditions

- The user must be logged in.
- The system must have clubs registered.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the "Explore" section.	- The Explore page is displayed.		
2	Enter club name or select a category.	- System displays matching clubs.		
3	Click on a club name.	- Club details are shown.		

Post-conditions

- A new user account is created in the database.

Test Case #: 4	Test Case Name: Join Club Request
System: UiTM Raub Club Registration System	Subsystem: Club Membership
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Aziq Hilman Bin Abdul Rahim	Execution Date: 04/07/2024
Short Description: Ensure the user can request to join a club	

Pre-conditions

- The user must be logged in.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to a club's profile.	- Club profile is displayed		
2	Click "Join"	- System sends join request to club admin		

Post-conditions

- A join request is sent to the club admin for approval.

Test Case #: 5	Test Case Name: Update User Profile
System: UiTM Raub Club Registration System	Subsystem: User Management
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Ahmad Azib Bin Azmi	Execution Date: 04/07/2024
Short Description: Validates that users can update their profile information.	

Pre-conditions

- The user must be logged in.
- The system must have clubs registered.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the profile page.	- Profile information is displayed.		
2	Modify profile details(e.g : name , current semester , matric number and programme code)	- System accepts new details and enables the "Submit" button.		
3	Click "Submit".	- System updates profile and display the updated details.		

Post-conditions

- User profile information is updated in the database.

Test Case #: 6	Test Case Name: Approve Club Membership
System: UiTM Raub Club Registration System	Subsystem: Club Admin
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Aziq Hilman Bin Abdul Rahim	Execution Date: 04/07/2024
Short Description: Verify that club admins can approve membership requests.	

Pre-conditions

- The user must be logged in as a club admin.
- There must be pending membership requests.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the "applicant list" section.	- List of pending applications is displayed.		
2	Select a pending application and click "view profiles".	- Applicant details are shown.		
3	Click "Approve".	- Membership status is updated to approved.		

Post-conditions

- The applicant is approved and added to the club members list.

Test Case #: 7	Test Case Name: Announcement Management
System: UiTM Raub Club Registration System	Subsystem: Club Admin
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Ahmad Azib Bin Azmi	Execution Date: 04/07/2024
Short Description: Validates that club admins can add or delete announcements	

Pre-conditions
- The user must be logged in. - The system must have clubs registered.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the announcements section.	- Announcement page is displayed.		
2	Click "+ Add"	- Redirected to the add announcement page		
3	Enter announcement details(e.g:title and description)	- System accept details and enables "Submit" button.		
4	Click "Submit"	-Announcement is added and displayed.		
5	Select an existing announcement in the announcement section and click "Delete".	-Announcement is removed.		

Post-conditions
- New announcements are added and old ones can be removed by the admin.

Test Case #: 8	Test Case Name: Event Management
System: UiTM Raub Club Registration System	Subsystem: Club Admin
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Ahmad Azib Bin Azmi	Execution Date: 04/07/2024
Short Description: Validates that club admins can add or delete event	

Pre-conditions

- The user must be logged in.
- The system must have clubs registered.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the event section.	- Event page is displayed.		
2	Click "+ Add"	- Redirected to the add event page		
3	Enter event details(e.g:title , date and description)	- System accepts details and enables the "Submit" button.		
4	Click "Submit"	- Events are added and displayed.		
5	Select an existing event in the event section and click "Delete".	- Event is removed.		

Post-conditions

- New Event are added and old ones can be removed by the admin.

Test Case #: 9	Test Case Name: View Club Members
System: UiTM Raub Club Registration System	Subsystem: Club Admin
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Ahmad Azib Bin Azmi	Execution Date: 04/07/2024
Short Description: Validate that club admins can view and manage club members.	

Pre-conditions

- The user must be logged in as a club admin.
- The club must have existing members.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the club members list.	- List of current members is displayed.		
2	Click on "view profile" on the member list	- Member details are shown.		
3	Click "Remove" for a member	- Member is removed from the list.		

Post-conditions

- Club member list is updated to reflect changes.

Test Case #: 10	Test Case Name: Update Club Information
System: UiTM Raub Club Registration System	Subsystem: Club Admin
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Aziq Hilman Bin Abdul Rahim	Execution Date: 04/07/2024
Short Description: Validates that club admins can update their club information	

Pre-conditions

- The user must be logged in as club admin

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the club admin dashboard.	- "Edit Profile" button will be displayed.		
2	Click the "Edit Profile" button.	- Edit club details form will be displayed and will prompt the user to enter new details (e.g , mission, vision, email, phone)		
3	Click "Submit".	- System updates club profile and display the updated details.		
4	Navigate to the profile page.	- updated information is displayed.		

Post-conditions

- Club information is updated in the database.

Test Case #: 11	Test Case Name: HEP Add New Club
System: UiTM Raub Club Registration System	Subsystem: Club Management
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Luqman Hanis Daniel Bin Khailmi	Execution Date: 04/07/2024
Short Description: Validate that the HEP can add a new club to the system.	

Pre-conditions

- The user must be logged in as HEP.
- The "Add Club" functionality must be accessible.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the HEP dashboard.	- "Add New Club" button will be displayed.		
2	Click the "Add New Club" button.	- "Add new club form" will be displayed and will prompt the user to enter the new club details. (e.g , name, email, password, phone, category, vision, mission)		
3	Enter new club details. (e.g , name, email, password, phone, category, vision, mission)	- System accepts details and enables the "Submit" button.		
4	Click "Submit"	- The new club are added and displayed.		

Post-conditions

- The new club is added to the system and appears in the club list.	

Test Case #: 12	**Test Case Name: HEP Display All Existing Clubs**
System: UiTM Raub Club Registration System	**Subsystem: Club Management**
Designed by: Luqman Hanis Daniel Bin Khailmi	**Design Date: 25/6/2024**
Executed by: Luqman Hanis Daniel Bin Khailmi	**Execution Date: 04/07/2024**
Short Description: Ensure that HEP can view a list of all registered clubs.	

Pre-conditions

- The user must be logged in as HEP.
- There must be clubs registered in the system.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the HEP dashboard.	- "Show All Club" button will be displayed.		
2	Click the "Show All Club" button.	- A list of all the existing clubs will be displayed.		
3	Click "View Details" on a selected club.	- The full details of the club will be displayed.		

Post-conditions

- All clubs are listed and accessible for further actions.

Test Case #: 13	Test Case Name: HEP Display All Students
System: UiTM Raub Club Registration System	Subsystem: Club Management
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Luqman Hanis Daniel Bin Khailmi	Execution Date: 04/07/2024
Short Description: Verify that HEP can view a list of all students.	

Pre-conditions

- The user must be logged in as HEP.
- The system must have registered students.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the HEP dashboard.	- "Show All Student" button will be displayed.		
2	Click the "Show All Student" button.	- A list of all the existing student that has joined at least one club will be displayed.		
3	Click "View Details" on a selected student.	- The full details of the student will be displayed.		

Post-conditions

- All students are listed and accessible for viewing their profiles.

Test Case #: 14	Test Case Name: HEP Display All / Delete Announcement
System: UiTM Raub Club Registration System	Subsystem: Club Management
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Muhammad Izwan Bin Mohd Sharil	Execution Date: 04/07/2024
Short Description: Verify that HEP can view a list of all announcements that have been made by club admin and manage them.	

Pre-conditions

- The user must be logged in as HEP.
- Announcements must be made by club admin.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the HEP dashboard.	- "Show All Announcement" button will be displayed.		
2	Click the "Show All Announcement" button.	- A list of all the existing announcement that have been made by club admin will be displayed.		
3	Click "Delete" on a selected announcement.	- The selected announcement will be deleted and will not be displayed.		

Post-conditions

- All announcements are listed and accessible for further actions.
- Announcement that been deleted will be updated in the database and will not be viewed to other user.

Test Case #: 15	Test Case Name: HEP Display All / Delete Event
System: UiTM Raub Club Registration System	Subsystem: Club Management
Designed by: Luqman Hanis Daniel Bin Khailmi	Design Date: 25/6/2024
Executed by: Muhammad Izwan Bin Mohd Sharil	Execution Date: 04/07/2024
Short Description: Verify that HEP can view a list of all events that have been made by club admin and manage them.	

Pre-conditions

- The user must be logged in as HEP.
- Events must be made by club admin.

Step	Action	Expected System Response	Pass/Fail	Comment
1	Navigate to the HEP dashboard.	- "Show All Event" button will be displayed.		
2	Click the "Show All Event" button.	- A list of all the existing events that have been made by club admin will be displayed.		
3	Click "Delete" on a selected event.	- The selected event will be deleted and will not be displayed.		

Post-conditions

- All events are listed and accessible for further actions.
- Events that been deleted will be updated in the database and will not be viewed to other user.