
Software Test Document

for

KAFA Management System

Version 1.0 approved

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30/5/2024

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Revision History

Document Name	Date	Status	Version
Software TD	16/06/2024	Complete	1.0

CHAPTER 1

1.1 System Identification

System Title	KAFA Management System								
System Abbreviation	KMS								
System Identification Number	KMS-2024 <table border="1"><tr><td>KMS</td><td>KAFA Management System</td></tr><tr><td>2024</td><td>Year of document created</td></tr></table>	KMS	KAFA Management System	2024	Year of document created				
KMS	KAFA Management System								
2024	Year of document created								
Document Identification System	STD-KMS-2024-1.0 Meaning for terms use: <table border="1"><tr><td>STD</td><td>Software Test Document</td></tr><tr><td>KMS</td><td>KAFA Management System</td></tr><tr><td>2024</td><td>Year of document created</td></tr><tr><td>1.0</td><td>The version of this document</td></tr></table>	STD	Software Test Document	KMS	KAFA Management System	2024	Year of document created	1.0	The version of this document
STD	Software Test Document								
KMS	KAFA Management System								
2024	Year of document created								
1.0	The version of this document								
Test Case Number	TC-01-XX <table border="1"><tr><td>TC</td><td>Test Case</td></tr><tr><td>01</td><td>Identification Number of the module</td></tr><tr><td>XX</td><td>The number of the test case within the module</td></tr></table>	TC	Test Case	01	Identification Number of the module	XX	The number of the test case within the module		
TC	Test Case								
01	Identification Number of the module								
XX	The number of the test case within the module								

1.2 References

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Bhogale, M., Palani, N. and Kabra, S. (2023) What are the best practices for writing concise test documentation?, How to Write Clear and Concise Test Documentation. Available at: <https://www.linkedin.com/advice/1/what-best-practices-writing-concise-test-documentation>

CHAPTER 2

2.1 Testing Schedule

No.	Task	Activities	Target Date
1.	Test Planning & Design	<ul style="list-style-type: none">• Define test plan• Define test objectives• Review & Approve plan• Design test case	27/5/2024 - 31/5/2024
2.	Test Development & Execution	<ul style="list-style-type: none">• Develop test script• Setup & testing	3/6/2024 - 7/6/2024
3.	Test Summarization & Result	<ul style="list-style-type: none">• Perform data reduction• Prepare the final test report• Review & approve final test report	10/6/2024-14/6/2024

2.2 Test Case of System

No.	Module	Test Case ID	Objective
1.	Manage User Profile	TC-01-01	Verify that the system successfully displays to parents the list of children who have applied to be KAFA students.
		TC-01-02	Verify the system successfully creates new student applications.
		TC-01-03	Verify the system successfully displays to

			parents the student application details.
		TC-01-04	Verify the system successfully deletes the student application details.
		TC-01-05	Verify the system successfully displays to Kafa Administrator the student application list.
		TC-01-06	Verify the system successfully updates student applications.
		TC-01-07	Verify the system successfully deletes the student application details.
		TC-01-08	Verify the system successfully displays the staff lists.
		TC-01-09	Verify the system successfully creates new staff.
		TC-01-10	Verify the system successfully displays the staff details.
		TC-01-11	Verify the system successfully updates staff details.
		TC-01-12	Verify the system successfully deletes the staff details.
2.	Manage Kafa Activities	TC-02-01	Verify that Kafa Admins and Teachers can create new activities.
		TC-02-02	Verify that Kafa Admins, Teachers, and Parents can view all the Kafa activities.
		TC-02-03	Verify that Kafa Admins and Teachers can edit upcoming Kafa activities.

		TC-02-04	Verify that KAFA Admins, Teachers, and Parents can view the details of the specific KAFA activity.
		TC-02-05	Verify that KAFA Admins and Teachers can delete the existing activity.
		TC-02-06	Verify that parents can add participation for their students to the existing upcoming KAFA activity.
		TC-02-07	Verify that parents can view all the joined KAFA activities by their registered students.
		TC-02-08	Verify that parents can view the details of the specific KAFA activity joined by their registered students.
		TC-02-09	Verify that Parents can cancel the participation of their registered students in KAFA activities they have previously joined.
		TC-02-10	Verify that parents cannot add the same student to an activity multiple times.
		TC-02-11	Verify that KAFA Administrators and Teachers can view the participants list of the KAFA activity.
		TC-02-12	Verify that parents cannot add participation for their registered students if the activity capacity is full.
		TC-02-13	Verify that parents cannot add participation for their registered students in past activities.

		TC-02-14	Verify that parents cannot add more participants than the available slots.
		TC-02-15	Verify that parents cannot delete participation in past activities joined by their registered students.
		TC-02-16	Verify that KAFA Admins and Teachers cannot edit the details of past activities.
3.	Manage Student Results	TC-03-01	Verify that a result can be added successfully by KAFA Admin/Teacher for an existing student.
		TC-03-02	Verify that the system prompts the user when adding a result for a non-existent student.
		TC-03-03	Verify that the system prompts the user to fill all required fields.
		TC-03-04	Verify that KAFA Admin/Teacher can view the view result form of a student.
		TC-03-05	Verify that a parent can view the result slip of a student that registered under the parent.
		TC-03-06	Verify that a result can be edited successfully for an existing student by KAFA Admin/Teacher.
		TC-03-07	Verify that a result can be deleted successfully by KAFA Admin/Teacher.
		TC-03-08	Verify that a result deletion action can be cancelled by KAFA Admin/Teacher.
		TC-03-09	Verify that the Parent can perform view

			operation on student results only.
		TC-03-10	Verify that the user is able to return to the home page regardless of any student results related page.
		TC-03-11	Verify that the IC number input field accepts only 12 digits.
		TC-03-12	Verify that a result cannot be added by KAFAs Admin/Teacher if the IC number is the same as the existence record.
4.	Manage KAFAs Bulletin	TC-04-01	Verify that KAFAs Admin and MUIP Admin can successfully create a new KAFAs Bulletin.
		TC-04-02	Verify that KAFAs Admin and MUIP Admin can successfully view the selected KAFAs Bulletin.
		TC-04-03	Verify that KAFAs Admin and MUIP Admin can successfully edit the selected KAFAs Bulletin
		TC-04-04	Verify that KAFAs Admin and MUIP Admin can successfully delete the selected KAFAs Bulletin.
		TC-04-05	Verify that KAFAs Admin and MUIP Admin can successfully view search results of the specific list of KAFAs Bulletin.
		TC-04-06	Verify that Teachers and Parents can successfully view the published KAFAs Bulletin.
		TC-04-07	Verify that Teachers and Parents can

			successfully view the search result of the published KAFA Bulletin.
		TC-04-08	Verify that KAFA Admin and MUIP Admin can successfully view the KAFA Bulletin lists they created.

2.3 Hardware Preparation

This section provides an overview of the hardware preparation, including specifications and configurations used in conducting the test cases. The following table describes the specifications of the laptop used in detail.

Hardware Name	ASUS Vivobook 14 X415
Manufacturer	ASUSTek COMPUTER INC.
CPU	11th Gen Intel(R) Core(TM) i5-1135G7, 2.40 GHz, 4 Core(s), 8 Logical Processor(s)
RAM	12GB
Storage	512GB
Operating System	Windows 11 Home

2.4 Software Preparation

This section describes the software used in the testing process.

Software	Description
Google Docs	To record and document all relevant documents associated with the system.
XAMPP/Laragon	To establish a connection between the system and a database for testing the data flow.
GitHub	To manage collaborative activities among team members, including version control and code collaboration.
Visual Studio Code	To build and execute the system for testing activities.

CHAPTER 3

3.1 Formal Qualification Test Description

3.1.1 Manage User Profile [Chong Xue Liang (CB21133)]

Test Case ID	TC-01-01		
Objective	Verify the system successfully displays the children's application list for parents.		
Description	Parents are able to view children's lists that already apply for Kafa Student.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click <<Student Registration>> at the navigation bar.	System should display the children's list that already apply for Kafa Student.	None	None

Test Case ID	TC-01-02		
Objective	Verify the system successfully creates new student applications.		
Description	Parents are able to apply for student applications for their children.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the <<Create New>> button on children list page.	System should display the apply form.	None	None
2. Enter valid user details (student name, ic, gender, date of birth and address).	The entered user details are accepted and displayed in the respective fields.	None	None
3. Click the <<Apply>> button.	A new student application is created and displayed at the children list page. .	- Data entered must be a valid data type.	None

Test Case ID	TC-01-03		
Objective	Verify the system successfully displays the student application details.		
Description	Parents are able to view the application details that have already applied by themselves in a view form.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the <<View>> button on children list page.	System should display the view form with the student application's details.	None	None

Test Case ID	TC-01-04		
Objective	Verify the system successfully deletes the student application details.		
Description	Parents are able to delete student application details.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the <<Delete>> button on children list page.	System should display a delete confirmation dialog.	None	None
2. Click <<OK>> on the delete confirm dialog.	The student application is deleted from the system.	None	None

Test Case ID	TC-01-05		
Objective	Verify the system successfully displays the student application list.		
Description	KAFA Administrator is able to view all student applications that are already applied by parents in a list.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click <<Student Registration>> at the navigation bar.	System should display the student application lists.	None	None

Test Case ID	TC-01-06		
Objective	Verify the system successfully updates student applications.		
Description	KAFAs administrator is able to edit student application details.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the <<Edit>> button on the student application list page.	System should display the edit form with the student application details.	None	None
2. Edit status of student application.	The modified student application details are accepted and displayed in the respective fields.	A reason must be input if the status is "Reject".	None
3. Click the <<Save>> button.	The student application details are updated.	None	None

Test Case ID	TC-01-07		
Objective	Verify the system successfully deletes the student application details.		
Description	KAFAs Administrator is able to delete student application details.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the <<Delete>> button on children list page.	System should display a delete confirmation dialog.	None	None
2. Click <<OK>> on the delete confirm dialog.	The student application is deleted from the system.	None	None

Test Case ID	TC-01-08		
Objective	Verify the system successfully displays the staff lists.		
Description	KAFAs Administrator is able to view all staff in a list.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click <<Staff Management>> at the navigation bar.	System should display the staff lists.	None	None

Test Case ID	TC-01-09		
Objective	Verify the system successfully creates new staff.		
Description	KAFAs Administrator is able to create a new staff account.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the <<Create New>> button on staff list page.	System should display the add Staff form.	None	None
2. Enter valid user details (full name, ic, contact number, email, password, gender, staff_ID and program in charge).	The entered user details are accepted and displayed in the respective fields.	None	None
3. Click the <<Add>> button.	A new staff is created and displayed at the staff list page.	- Data entered must be a valid data type.	None

Test Case ID	TC-01-10		
Objective	Verify the system successfully displays the staff details.		
Description	Kafa Administrator is able to view the staff details in a view form.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the <<View>> button on staff list page.	System should display the view staff form with the staff details.	None	None
4. Click the <<Create New>> button on staff list page.	System should display the add Staff form.	None	None

Test Case ID	TC-01-11		
Objective	Verify the system successfully updates staff details.		
Description	KAFA administrators are able to edit student application details.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the <<Edit>> button on the staff list page.	System should display the edit staff form with the staff details.	None	None
2. Edit valid staff details.	The modified staff details are accepted and displayed in the respective fields.	None.	None
3. Click the <<Save>> button.	The staff details are updated.	None	None

Test Case ID	TC-01-12		
Objective	Verify the system successfully deletes the staff details.		
Description	KAFAs Administrator is able to delete staff details.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the <<Delete>> button on children list page.	System should display a delete confirmation dialog.	None	None
2. Click <<OK>> on the delete confirm dialog.	The staff details are deleted from the system.	None	None

3.1.2 Manage KAFA Activities [Sho Ming Kang (CB21065)]

Test Case ID	TC-02-01		
Objective	Verify that KAFA Admins and Teachers can create new activities.		
Description	KAFA Administrator and Teachers can create new activities.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the KAFA Activities option on the side menu.	The system displays all created activities in two lists: upcoming KAFA activities and previous KAFA activities.	None	None
2. Click <<Create Activity>> button.	The system should display the Create Activity form.	None	None
3. Fill in the form with valid details (activityName, activity details, startTime, endTime, activityDate, activityCapacity).	The entered activity details are accepted and displayed in the respective fields.	None	None
4. Click <<Submit>> button.	A new activity is created with the entered details and a success message is displayed on the activity list page.	- The entered details in the field must meet the data type. - The required field must be filled.	None

Test Case ID	TC-02-02		
Objective	Verify that KAFA Admins, Teachers, and Parents can view all the KAFA activities.		
Description	The system should display all created activities in two sections: upcoming KAFA activities and previous KAFA activities.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Activities option on the side menu.	The system displays all created activities in two lists: upcoming KAFA activities and previous KAFA activities.	None	None

Test Case ID	TC-02-03		
Objective	Verify that KAFA Admins and Teachers can edit upcoming KAFA activities.		
Description	KAFA Admins and Teachers can edit the details of upcoming activities.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the KAFA Activities option on the side menu.	The system displays all created activities in two lists: upcoming KAFA activities and previous KAFA activities.	None	None
2. Click the edit icon of the specific activity in the upcoming activities section.	The system displays the edit activity form with the specific upcoming activity details.	None	None
3. Enter the appropriate fields with valid activity details in the edit form.	The edited activity details are accepted and displayed in the respective fields.	None	None
4. Click <<Edit>> button.	The activity details are updated with the edited details and a success message is displayed on the activity list page.	- The edited details in the field must meet the data type. - The required field must be filled.	None

Test Case ID	TC-02-04		
Objective	Verify that KAFA Admins, Teachers, and Parents can view the details of the specific KAFA activity.		
Description	The system displays the details of the selected activity.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the KAFA Activities option on the side menu.	The system displays all created activities in two lists: upcoming KAFA activities and previous KAFA activities.	None	None
2. Click the view icon of the specific activity in the upcoming activities or previous activities section.	The system displays the view activity form with the specific activity details.	None	None

Test Case ID	TC-02-05		
Objective	Verify that KAFA Admins and Teachers can delete the existing activity.		
Description	The system will delete the activity from the database when the deletion is confirmed.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Activities option on the side menu.	The system displays all created activities in two lists: upcoming KAFA activities and previous KAFA activities.	None	None
2.Click the delete icon of the specific activity in the upcoming activities or previous activities section.	The system displays a delete confirmation dialogue to confirm the deletion.	None	None
3.Click <<OK>> on the confirmation dialogue to confirm the deletion.	The activity is deleted from the system and a successful delete activity message is displayed.	None	None

Test Case ID	TC-02-06		
Objective	Verify that parents can add participation for their students to the existing upcoming KAFA activity.		
Description	The system will save the participation details into the database with the IDs of the students and the activities.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the KAFA Activities option on the side menu.	The system displays all created activities in two lists: upcoming KAFA activities and previous KAFA activities.	None	None
2. Click the view icon of the specific activity in the upcoming activities section.	The system displays the view activity form with the specific activity details.	None	None
3. Click the <<Join>> Button.	The system displays the add participants page.	None	None
4. Mark the checkboxes for the children's names (e.g., Ali and Abu Bin Ali) by clicking the checkboxes.	Each checkbox should be ticked when selected.	None	None
5. Click the <<Submit>>	The participants are	- Check whether	None

button.	successfully added to the database and a successful add participants message is displayed.	the activity capacity is full or not - Check whether the current count of participants is more than the available slots. - Check whether the student has joined the activity or not.	
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Test Case ID	TC-02-07		
Objective	Verify that parents can view all the joined KAFA activities by their registered students.		
Description	The system should display all activities joined by the parent's registered students in two lists: upcoming joined activities and past joined activities.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the Joined Activities option on the side menu.	The system displays all activities joined by the parent's registered students in two lists: upcoming joined activities and past joined activities.	None	None

Test Case ID	TC-02-08		
Objective	Verify that parents can view the details of the specific KAFA activity joined by their registered students.		
Description	The system should display the details of the selected joined activity.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the Joined Activities option on the side menu.	The system displays all activities joined by their registered students in two lists: upcoming joined activities and past joined activities.	None	None
2. Click the view icon of the specific joined activity in the upcoming joined activities or past joined activities section.	The system displays the view joined activity form with the specific joined activity details.	None	None

Test Case ID	TC-02-09
Objective	Verify that Parents can cancel the participation of their registered students in KAFA activities they have previously joined.
Description	The system deletes the participation data of the selected students from the database, removing the association of the selected

	students from the activity.		
Input	Expected Result	Special Procedural Requirement	Inter-case Dependency
1. Click the Joined Activities option on the side menu.	The system displays all activities joined by their registered students in two lists: upcoming joined activities and past joined activities.	None	None
2. Click the view icon of the specific joined activity in the upcoming joined activities.	The system displays the view joined activity form with the specific upcoming joined activity details.	None	None
3. Click the <<Unjoin>> button.	The system displays the delete participants page.	None	None
4. Mark the checkboxes for the children's names by clicking the checkboxes.	Each checkbox should be ticked when selected.	None	None
5. Click the <<Submit>> button.	The participants are successfully deleted from the database and a successful delete participants message is displayed.	- The available slot will be increased based on the count of participants selected.	None

Test Case ID	TC-02-10		
Objective	Verify that parents cannot add the same student to an activity multiple times.		
Description	The system will not update the database with a duplicate entry for the same student in the activity.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the Joined Activities option on the side menu.	The system displays all activities joined by their registered students in two lists: upcoming joined activities and past joined activities.	None	None
2.Click the view icon of the specific activity in the upcoming activities.	The system displays the view activity form with the specific upcoming activity details.	None	None
3.Click the <<Join>> button.	The system displays the add participants page.	None	None
4. Mark the checkboxes for the children's names who were previously added by clicking the checkboxes	Each checkbox should be ticked when selected.	None	None

5. Click the <<Submit>> button.	The error message will appear, indicating that the student has already joined the activity.	None	None
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Test Case ID	TC-02-11		
Objective	Verify that KAFA Administrators and Teachers can view the participants list of the KAFA activity.		
Description	The system displays a page that shows the participants list.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Activities option on the side menu.	The system displays all created activities in two lists: upcoming KAFA activities and previous KAFA activities.	None	None
2.Click the view icon of the specific activity in the upcoming activities or previous activities section.	The system displays the view activity form with the specific activity details.	None	None
3.Click the <<View Participants>> button.	The system displays the ListofParticipants page with all the participants of the activity.	None	None

Test Case ID	TC-02-12		
Objective	Verify that parents cannot add participation for their registered students if the activity capacity is full.		
Description	The system will display an error message to indicate that the activity is currently full.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Activities option on the side menu.	The system displays all created activities in two lists: upcoming KAFA activities and previous KAFA activities.	None	None
2.Click the view icon of the specific activity in the upcoming activities section where the activity capacity is full, indicating zero available slots.	The system displays the view activity form with the specific activity details.	None	None
3.Click the <<Join>> button.	The system displays an error message to indicate that the activity is full, and cannot join the activity.	None	None

Test Case ID	TC-02-13		
Objective	Verify that parents cannot add participation for their registered students in past activities.		
Description	There is no join button available for the parent to add participants.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Activities option on the side menu.	The system displays all created activities in two lists: upcoming KAFA activities and previous KAFA activities.	None	None
2.Click the view icon of the specific activity in the previous KAFA activities section.	The system displays the view activity form with specific activity details, excluding the join button, indicating the parent cannot add participation for their registered students in past activities.	None	None

Test Case ID	TC-02-14		
Objective	Verify that parents cannot add more participants than the available slots.		
Description	The system will display an error message, indicating that the number of added participants exceeds the available slots and the parent will be redirected to the view activity details page.		

Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the KAFA Activities option on the side menu.	The system displays all created activities in two lists: upcoming KAFA activities and previous KAFA activities.	None	None
2. Click the view icon of the specific activity in the upcoming KAFA activities section.	The system displays the view activity form with specific activity details.	None	None
3. Click the <<Join>> button.	The system displays the add participants page.	None	None
4. Mark the participants more than the available slots of the activity by clicking the checkbox.	Each checkbox should be ticked when selected.	None	None
5. Click <<Submit>> button	The system displays an error message, indicating that the number of added participants exceeds the available slots and the parent is redirected to the view activity details page.	None	None

Test Case ID	TC-02-15		
Objective	Verify that parents cannot delete participation in past activities joined by their registered students.		
Description	There is no unjoin button available for the parent to delete participants.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the Joined Activities option on the side menu.	The system displays all created activities in two lists: upcoming joined activities and past joined activities.	None	None
2.Click the view icon of the specific joined activity in the past joined activities section.	The system displays the view joined activity form with specific joined activity details, excluding the unjoin button, indicating the parent cannot delete participation for their registered students in past activities.	None	None

Test Case ID	TC-02-16		
Objective	Verify that KAFA Admins and Teachers cannot edit the details of past activities.		
Description	The system does not display the edit icon in the previous KAFA Activities section for admins and teachers to edit activities when viewing the KAFA Activities.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Activities option on the side menu.	The system presents all created activities in two lists: upcoming joined activities and past joined activities. In the past joined activities section, the action tab includes a view icon and a delete icon, excluding the edit icon.	None	None

3.1.3 Manage Student Results [Yee Zhi Yew (CB21026)]

Test Case ID	TC-03-01		
Objective	Verify that a result can be added successfully by KAFA Admin/Teacher for an existing student.		
Description	KAFA Admin/Teacher adds a result for a student who exists in the system by filling the result form.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click <<Student Result>> at the side navigation menu.	System displays student results list table.	None	None
2. Click <<Add Result>> button	System displays add result form	None	None
3. Fill add result form	System displays inputs received.	None	None
4. Click <<Submit>> button	System saves the result into the database and displays result added successfully message.	Required fields must be filled.	None

Test Case ID	TC-03-02		
Objective	Verify that the system prompts the user when adding a result for a non-existent student.		
Description	KAFA Admin/Teacher attempts to add a result for a student not registered in the system.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click <<Student Result>> at the side navigation menu.	System displays a student results list table.	None	None
2. Click <<Add Result>> button	System displays add result form		
3. Fill add result form	System displays inputs received.		

4. Click <<Submit>> button	System displays a confirmation box with “IC number not found, please check again.” message and prevent submission.	Required fields must be filled.	None
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Test Case ID	TC-03-03		
Objective	Verify that the system prompts the user to fill all required fields.		
Description	KAFAs Admin/Teacher tries to add a result without filling all mandatory fields.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click <<Student Result>> at the side navigation menu.	System displays a student results list table.	None	None
2. Click <<Add Result>> button	System displays add result form	None	None
3. Partially fill add result form	System displays inputs received.	None	None
4. Click <<Submit>> button	System detects missing fields, displays an error message, highlights the missing field and prompts to fill the required fields, no result added.	None	None

Test Case ID	TC-03-04		
Objective	Verify that KAFAs Admin/Teacher can view the view result form of a student.		
Description	KAFAs Admin/Teacher views the view result form for a specific student.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency

Click <<View>> icon button for a selected student result.	System displays the view result form correctly with student name, IC number, exam center, year, all courses and respective grades.	None	None
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Test Case ID	TC-03-05		
Objective	Verify that a parent can view the result slip of a student that registered under the parent.		
Description	Parent view the result slip of the registered student.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
Click <<View>> icon button for a selected student result.	System displays the result slip correctly with student name, IC number, exam center, year, all courses and respective grades.	None	None

Test Case ID	TC-03-06		
Objective	Verify that a result can be edited successfully for an existing student by KAFA Admin/Teacher except student IC number and name.		
Description	KAFA Admin/Teacher edits the result of a student.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click <<Edit>> icon button	System displays the edit result form	None	None
2. Edit the result form	System receives and displays the inputs	None	None
3. Click <<Submit>> button	System updates result with new data and displays results updated successfully.	None	None

Test Case ID	TC-03-07		
Objective	Verify that a result can be deleted successfully by KAFA Admin/Teacher.		
Description	KAFA Admin/Teacher deletes a student's result.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click <<Delete>> icon button.	System displays a confirm delete box	None	None
2. Click <<OK>> button	System deletes the selected result and displays result deleted successfully message.	None	None

Test Case ID	TC-03-08		
Objective	Verify that a result deletion action can be cancelled by KAFA Admin/Teacher.		
Description	KAFA Admin/Teacher cancel delete a student's result.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click <<Delete>> icon button.	System displays a confirm delete box	None	None
2. Click <<Cancel>> button	System cancel deletion action, no result is being deleted.	None	None

Test Case ID	TC-03-09		
Objective	Verify that the Parent can perform view operation on student results only.		
Description	Parent access student results list table with <<View>> icon button available only.		
Input	Expected Result	Special	Intercase

		Procedural Requirement	Dependency
Click <<Student Result>> at the side navigation menu.	System displays a student results list table with a <<View>> icon button available only.	None	None

Test Case ID	TC-03-10		
Objective	Verify that the user is able to return to the home page regardless of any student results related page.		
Description	Users click the <<Back>> button to return to the home page.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click <<Back>> button at add result form page.	System returns to the home page.	Users must already be at the add result form page.	None
2. Click <<Back>> button at edit result form page.	System returns to the home page.	Users must already be at the edit result form page.	
3. Click <<Back>> button at view result form page.	System returns to the home page.	Users must already be at the view result form page.	

Test Case ID	TC-03-11		
Objective	Verify that the IC number input field accepts only 12 digits.		
Description	KAFA Admin/Teacher enters an invalid IC number length.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Enter IC number length less than 12 digits	System should display an IC number length must be 12 digits error message.	None	None

2. Enter IC number length greater than 12 digits	System should display an IC number length must be 12 digits error message.	None	None
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Test Case ID	TC-03-12		
Objective	Verify that a result cannot be added by KAFA Admin/Teacher if the IC number is the same as the existence record.		
Description	KAFA Admin/Teacher adds a result with the same IC number as the existing student result record.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
Enter same IC number as the existing student result record	System should display “The result for this IC number has already been added.” error message.	None	None

3.1.4 Manage KAFA Bulletin [Nuratika Elya Binti Zamri (CB21047)]

Test Case ID	TC-04-01		
Objective	Verify that KAFA Admin and MUIP Admin can successfully create new bulletin.		
Description	KAFA Admin and MUIP Admin can create a new bulletin.		
Input	Expected Result	Special Procedural Requirement	
1. Click the KAFA Bulletin option on the side menu.	The system displays all created bulletin.	None	
2. Click <<Add New Bulletin>> button.	The system should display the Create Bulletin form.	None	
3. Fill in the form with	The entered bulletin details	None	

bulletin details (bulletin Title, publish date, publish to , bulletin details)	are accepted and displayed in the respective fields.		
4.Click <<Submit>> button.	A new bulletin is created with the entered details and a success message is displayed on the bulletin list page.	- The entered details in the field must meet the data type. - The required field must be filled.	

Test Case ID	TC-04-02		
Objective	Verify that KAFA Admin and MUIP Admin can view the details of the specific KAFA bulletin.		
Description	The system displays the details of the selected bulletin.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Bulletin option on the side menu.	The system displays all the list of created bulletin created by the user.	None	None
2.Click the view icon of the specific bulletin on the KAFA bulletin list page.	The system displays the view bulletin form with the specific bulletin details.	None	None

Test Case ID	TC-04-03
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Objective	Verify that KAFA Admin and MUIP Admin can edit existing bulletin		
Description	KAFA Admin and MUIP Admin can edit the details of the existing bulletin.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1. Click the KAFA Bulletin option on the side menu.	The system displays all created bulletins by the user on the KAFA bulletin list page.	None	None
2. Click the edit icon of the specific bulletin in the list bulletin page.	The system displays the edit bulletin form with the specific bulletin details.	None	None
3. Edit the desired bulletin details information in the edit form.	The edited bulletin details are accepted and displayed in the respective fields.	None	None
4. Click the <<Update>> button.	The bulletin details are updated with the edited details and a success message is displayed on the bulletin list page.	- The edited details in the field must meet the data type. - The required field must be filled.	None

Test Case ID	TC-04-04
Objective	Verify that KAFA Admin and MUIP Admin can delete the

	existing bulletin created by their own.		
Description	The system will delete the bulletin from the database when the deletion is confirmed.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Bulletin option on the side menu.	The system displays all created bulletins by the user on the KAFA bulletin list page.	None	None
2.Click the delete icon of the specific bulletin in the bulletin list page.	The system displays a delete confirmation dialogue to confirm the deletion.	None	None
3.Click <<OK>> on the confirmation dialog to confirm the deletion.	The bulletin is deleted from the system and a successful delete bulletin message is displayed.	None	None

Test Case ID	TC-04-05		
Objective	Verify that KAFA Admin and MUIP Admin can view search results of the specific list of KAFA Bulletin.		
Description	The system will retrieve the bulletins based on the provided keywords and display the search results of the specific list of KAFA Bulletins to the KAFA Admin and MUIP Admin, ensuring they can view the relevant entries.		
Input	Expected Result	Special	Intercase

		Procedural Requirement	Dependency
1.Click the KAFA Bulletin option on the side menu.	The system displays all created bulletins by the user on the KAFA bulletin list page.	None	None
2.Insert bulletin title, publish date to, publish date from or select publish to user.	The system filters and displays the search results based on the entered criteria.	None	None
3.Click the “Search” button	The system retrieves and displays the list of KAFA Bulletins that match the search criteria to the KAFA Admin and MUIP Admin.	None	None

Test Case ID	TC-04-06		
Objective	Verify that KAFA Admin and MUIP Admin can view the published KAFA bulletin details.		
Description	The system displays the published buletin details along with the publisher name.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Bulletin option on the side menu.	The system displays all the published bulletin details	None	None

	created by the KAFA Admin and MUIP Admin.		
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Test Case ID	TC-04-07		
Objective	Verify that Teachers and Parents can view the search result of the published KAFA Bulletin.		
Description	The system displays the matching search result of the desired published bulletin, along with the bulletin details and the publisher's name.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Bulletin option on the side menu.	The system displays all the published bulletins by the Admins.	None	None
2.Insert bulletin title, publish date to or publish date from.	The system filters and displays the search results based on the entered criteria.	None	None
3.Click the “Search” button	The system retrieves and displays the list of KAFA Bulletins that match the search criteria to the user.	None	None

Test Case ID	TC-04-08		
Objective	Verify that KAFA Admin and MUIP Admin can view the KAFA Bulletin lists they created.		

Description	The system displays a KAFA Bulletin page that has the list of bulletins the user created.		
Input	Expected Result	Special Procedural Requirement	Intercase Dependency
1.Click the KAFA Bulletin option on the side menu.	The system displays all the list of created bulletin created by the user.	None	None

CHAPTER 4: Acronyms and Abbreviations

Acronyms and Abbreviations	Meaning
KMS	KAFA Management System
TC	Test Case
STD	Software Test Document
KAFA	Kelas Al-Quran & Fardu Ain