

1]. Material

- **Objective** : To verify that any reference material can be uploaded successfully by a faculty.
- **Preconditions** : User(faculty) must be logged in with an organization email address. A faculty can add materials to only his/her course.
- **Validity Checks and equivalence class partitioning::**

MAT1-Material Name should not be blank.

MAT2-Material Name accepts numeric input.

MAT3-Material Name accepts special characters.

MAT4-Material Name does not recognise HTML tags.

MAT5-Material Name does not accept whitespace inputs.

MAT6-Material Name can be duplicated.

MAT7-Material Name cannot be multi-line(displayed as a single line in the output).

MAT8-Material Name accepts many languages(for example Hindi).

MAT9-Description should not be blank.

MAT10-Description accepts numeric input.

MAT11-Description accepts special characters.

MAT12-Description does not recognise HTML tags.

MAT13-Description does not accept whitespace inputs.

MAT14-Description can be duplicated.

MAT15-Description can be multi-line.

MAT16-Description accepts many languages(for example Hindi).

MAT17-File field should not be blank.

MAT18-File field should only contain a file input.

MAT19-All three fields can be duplicated.

Sr. no	Test name	Reference Material Name	Description	File	Remarks	Expected Output
1	MAT1	BLANK	This is a general update on the project's status.	A file is selected.	Material Name should not be blank	Please fill out this field(Error message)
2	MAT9	This is a general	BLANK	A file is selected	Description should not	Please fill out this field(Error

		update on the project's status.			be blank	message)
3	MAT17	This is a general update on the project's status.	This is a general update on the project's status.	BLANK	File should not be blank	Please fill out this field(Error message)
4	MAT1, MAT9, MAT17, MAT18 (Valid Inputs)	This is a general update on the project's status.	This is a general update on the project's status.	A file is selected	New material upload success	New material upload success
5	Maximum Length Inputs	Maximum Length Inputs**				
6	MAT1, MAT2, MAT9, MAT10, MAT18 (Boundary test)	1	1	A file is selected	New material upload success	New material upload success
7	MAT1, MAT3, MAT9, MAT11, MAT18 (Boundary test)	#	\$	A file is selected	New material upload success	New material upload success
8	MAT4, MAT12, MAT18	This is <i>really</i> important!	Important Update	A file is selected	New material upload success. However, the text doesn't get bold/italics.	New material upload success
9	MAT5,	whitespace inputs	whitespace inputs	A file is selected	New material upload	New material upload failure.

	MAT13, MAT18				failure. White spaces are not accepted.	
10	MAT2, MAT6, MAT10, MAT14, MAT18, MAT19 (duplicate material)	12 12	12 12	Two same files uploaded	New material upload success New material upload success	New material upload success New material upload success
11	MAT7, MAT15, MAT18	This is a general update on the project's status. (single line)	Description Trial Testing (multiple lines)	Two different files uploaded.	The previous file gets replaced by the new file. However, the description is displayed as a single line.	New material upload success.
12	MAT8, MAT16, MAT18	घोषणा	घोषणा	File added from the computer.	New material upload success	New material upload success
13	Cross browser Testing	This is a general update on the project's status.	This is a general update on the project's status.	File uploaded from the computer.	New material upload success	New material upload success

2]. Students List

- **Objective** : To verify that any student enrolled can be searched using the search field.
- **Preconditions** : User(faculty) must be logged in with an organization email address. A faculty can search students enrolled in that particular course only.
- **Validity Checks and equivalence class partitioning::**

SL1-Search field shouldn't be blank.

SL2-Student Name should be searched and not username/email.
SL3-Student Name or Surname both are accepted(Not full name).
SL4-Search field accepts names with alphanumeric characters.
SL5-It accepts many languages(for example Hindi).

Sr. no	Test name	Search field	Remarks	Expected Output
1	SL1	BLANK	Search field should not be blank. In that case, all students are listed.	All students listed
2	SL2, SL3	Dhruvam	Searched student's profile display if exists (all students with same name are displayed)	Student profile displayed if it exists. Otherwise, a blank list(no student) is displayed.
3	SL2, SL3	Shah	Searched student's profile display if exists (all students with same surname are displayed)	Student profile displayed if it exists. Otherwise, a blank list(no student) is displayed.
4	SL2	202101015@daiict.ac.in (Username)	In that case, nothing is listed.	Blank list
5	SL4	Dhruvam@12% (existing name)	Searched student's profile display (all students with same name are displayed)	Student profile displayed
6	SL5	घोषणा (existing name)	Searched student's profile display (all students with same name are displayed)	Student profile displayed

7	SL1,SL3, SL4 (Boundary test)	1 (existing 1 character first name)	Searched student's profile display (all students with same name are displayed)	Student profile displayed
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3]. Query

- **Objective** : To verify that the faculty can resolve a query of any student.
- **Preconditions** : User(faculty) must be logged in with an organization email address. A faculty can reply to the query only once and cannot edit the reply.
- **Validity Checks and equivalence class partitioning:**

QR1-Reply field shouldn't be blank.

QR2-It does not recognise HTML tags.

QR3- It does not accept whitespace inputs.

QR4-Multi-line input is accepted but displayed as a single line output.

QR5-It accepts alphanumeric characters.

QR6-It accepts many languages(for example Hindi).

Sr. no	Test name	Reply field	Remarks	Expected Output
1	QR1	BLANK	Reply field should not be blank.	Please fill out this field(Error message)
2	QR5	H1@@\$	Query reply submitted	Query reply submitted
3	QR4	Hi How are you doing I am checking if multiline input is accepted Have a nice day (multiline input)	Multi-line input is accepted but displayed as a single line output	Query reply submitted as a single line
4	QR2	This is <i>really</i> important!	Query reply submitted.	Query reply submitted

			However, the text doesn't get bold/italics.	
5	QR6	घोषणा (reply input)	Query reply submitted	Query reply submitted
6	QR1 (Boundary test)	1 (1 character reply)	Query reply submitted	Query reply submitted
7	QR3	Whitespace inputs	Reply field should not accept whitespaces as input.	Please enter reply(Error message)

4]. Assignments

- **Objective** : To verify that the faculty can upload assignments.
- **Preconditions** : User(faculty) must be logged in with an organization email address. A faculty can upload assignments to his/her course only.
- **Validity Checks and equivalence class partitioning:**

AS1-Assignment Name should not be blank.

AS2-Assignment Name accepts numeric input.

AS3-Assignment Name accepts special characters.

AS4-Assignment Name does not recognise HTML tags.

AS5-Assignment Name accepts whitespace inputs.

AS6-Assignment Name can be duplicated.

AS7-Assignment Name cannot be multi-line(displayed as a single line in the output).

AS8-Assignment Name accepts many languages(for example Hindi).

AS9-Description should not be blank.

AS10-Description accepts numeric input.

AS11-Description accepts special characters.

AS12-Description does not recognise HTML tags.

AS13-Description accepts whitespace inputs.

AS14-Description can be duplicated.

AS15-Description can be multi-line.

AS16-Description accepts many languages(for example Hindi).

AS17 File field should not be blank.

AS18-File field should only contain a file input.

AS19-File field doesn't accept whitespace inputs,numeric input or special characters.

AS20- File field cannot be multi-line.

AS21- File field should have only one link.

AS22-All three fields can be duplicated.

AS23- Date Field cannot be empty.

AS24-Date accepts only date input.

AS25-Grade field cannot be empty.

AS26-Grade field accepts numeric inputs.

AS27 -Grade field does not accept alphabetic,whitespace or special characters.

S r. n o	Test name	Assign ment Name	Descripti on	Due date	Max grade	File	Remarks	Expected Output
1	AS1	BLANK	This is a general update on the project's status.	This is a general update on the project's status.	This is a general update on the project's status.	File uploade d from the compute r	Material Name should not be blank	Please fill out this field(Error message)
2	AS9	This is a general update on the project's status.	BLANK	This is a general update on the project's status.	This is a general update on the project's status.	File uploade d from the compute r	Descripti on should not be blank	Please fill out this field(Error message)
3	AS17	This is a general update on the project's status.	This is a general update on the project's status.	This is a general update on the project's status.	This is a general update on the project's status.	BLANK	File should not be blank	Please fill out this field(Error message)
4.	AS23	This is a general update on the project's status	This is a general update on the project's status	Blank	This is a general update on the project's status	File uploade d from the compute r	Due date cannot be blank	Please fill out this field(Error message)

5.	AS24	This is a general update on the project's status	This is a general update on the project's status	Date selected	This is a general update on the project's status	File uploaded from the computer	New material upload success.	New material upload success.c
6	AS1, AS9, AS17, AS18 (Valid Inputs)	This is a general update on the project's status.	This is a general update on the project's status.	This is a general update on the project's status	This is a general update on the project's status	File uploaded from the computer	New material upload success	New material upload success
7	Maximum Length Inputs	Maximum Length Inputs**		This is a general update on the project's status	This is a general update on the project's status			
8	AS1, AS2, AS9, AS10, AS18 (Boundary test)	1	1	This is a general update on the project's status	This is a general update on the project's status	File uploaded from the computer	New material upload success	New material upload success
9	AS1, AS3, AS9, AS11, AS18 (Boundary test)	#	\$	This is a general update on the project's status	This is a general update on the project's status	File uploaded from the computer	New material upload success	New material upload success
10	AS4, AS12, AS18	This is <i>really</i> important!	Important Update	This is a general update on the project's status	This is a general update on the project's status	File uploaded from the computer	New material upload success. However, the text doesn't get bold/italics.	New material upload success

1 1	AS5, AS13, AS18	whitespace inputs	whitespace inputs	This is a general update on the project's status	This is a general update on the project's status	File uploaded from the computer	New material upload success. However, the material name and description is whitespace.	New material upload success
1 2	AS2, AS6, AS10, AS14, AS18, AS22 (duplicate material)	12 12	12 12	This is a general update on the project's status	This is a general update on the project's status	Two same files uploaded	New material upload success New material upload success	New material upload success New material upload success
1 3	AS7, AS15, AS18, AS20	This is a general update on the project's status. (single line)	Description on Trial Testing (multiple lines)	This is a general update on the project's status	This is a general update on the project's status	Two different files uploaded at the same time.	The previous file gets replaced by the new file.	New material upload success.
1 4	AS8, AS16, AS18	घोषणा	घोषणा	This is a general update on the project's status	This is a general update on the project's status	File added from the computer.	New material upload success	New material upload success
1 5	Cross browser Testing	This is a general update on the project's status.	This is a general update on the project's status.	This is a general update on the project's status	This is a general update on the project's status	File uploaded from the computer.	New material upload success	New material upload success
1 6	AS25	This is a general	This is a general	This is a general	BLANK	File upload	Max grade	New material upload

		update on the project's status.	update on the project's status.	update on the project's status.		d from the computer.	cannot be blank	success
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5]. User Login :-

- **Objective** : To verify and test the login functionality.
- **Preconditions** : The user must have access to the website. Login button is working. The user should belong to the organisation.
- **Validity checks and equivalence class partitioning:**
 1. UL1 - Email field must not be blank.
 2. UL2 - The password field must not be blank.
 3. UL3 - Email should be valid and should belong to DAIICT.
 4. UL4 - User should enter the correct password.

Test Case ID	Description	Input Email	Input Password	Remarks	Expected Output
ULT_1	Valid login.(already registered faculty)	faculty1@daiict.ac.in	Random@123	Login success	Login success
ULT_2	Email field blank. (UL1)	BLANK	Random@123	Email field should not be blank.	Error: Please fill out this field.
ULT_3	Blank password. (UL2)	faculty1@daiict.ac.in	BLANK	Password field cannot be blank.	Error: Please fill out this field.
ULT_4	Email does not belong to daiict and is not registered.(UL3)	faculty1@gmail.com	Random@123	Email should be valid.	Error: Please enter a valid DAIICT email address.
ULT_5	Incorrect password. (UL4)	faculty1@daiict.ac.in	Any password other than the actual password	The password is incorrect therefore an error will be displayed.	Error:Please enter the correct credentials.

