CASE TOOLS

Assignment 10

Submitted by

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1. Use case and its alternate flows

Use case name: Register for an event

Basic flow

1. User clicks on register button on the event page
2. User is redirected to the registration page
3. User is shown details about the event
4. User is also asked to fill details, if any, that are required by the organiser
5. After filling details, the user completes the registration
6. User is sent an email confirming the registration, with the details
7. The organiser is informed about the registration via a notification on the admin panel

Alternate flows

1. Alternate flow 1

1.0.E.1 User tries to register after the registration deadline has closed

1. User will not be allowed to register for the event. A relevant message will be displayed.

2. Alternate flow 2

1.0.E.2 User tries to register for the event that they are not eligible for

1. User will be displayed a relevant message, and will not be able to register

Generating scenarios

Partial scenario matrix

Scenario no.	Scenario name	Starting flow	Alternate flow
1	Successful registration	Basic Flow	
2	User registers for an event he's not eligible for	Basic Flow	E2
3	User registers for an event after the deadline passed	Basic Flow	E1

Identifying test cases

Test case matrix for use case 1

Test case ID	Scenario/ Condition	Email	Password	Form Open	Branch of student	Branches event is open for	Expected result
1	Scenario 1	v	v	v	v	v	Registration Successful
2	Scenario 2	v	v	N/A	I	v	User cannot register for this event
3	Scenario 3	v	v	I	N/A	N/A	User cannot register for the event anymore

Identifying data values set

Test case ID	Scenario/ Condition	Email	Password	Form Open	Branch of student	Branches event is open for	Expected result
1	Scenario 1	ds952073@student.nitw.ac.in	password123	Yes	CSE	CSE	Registration Successful
2	Scenario 2	am932075@stude d.nitw.ac.in	Smoking 69	Yes	Mech	CSE	User cannot register for this event
3	Scenario 3	ds95203@student.nitw.ac.in	password123	No	CSE	CSE	User cannot register for the event anymore

2. Use case and its alternate flows

Use case name: Creation of An Event

Basic flow

1. The user starts the event adding process
2. The user adds the event name, description, and relevant links
3. The user adds the date, registration deadline
4. The user adds the extra registration questions, if any
5. The user adds the relevant audiences, and restricts it to them, if necessary
6. The user adds in a poster, if any
7. The user submits and posts the event

Alternate Flow

1. Alternate flow 1

1.0.E.1 User tries to schedule an event in the past

The user will not be allowed to do so.

2. Alternate Flow 2

1.0.E.2 User tries to make the event open to none

1. User will be displayed a relevant message, and will not be able to post such an event

Generating scenarios

Partial scenario matrix

Scenario no.	Scenario name	Starting flow	Alternate flow
1	Successful creation	Basic Flow	
2	Event scheduled in the past	Basic Flow	E1
3	Event not open to anyone	Basic Flow	E2

Identifying test cases

Test case matrix for use case 2

Test case ID	Scenario/ Condition	User Credentials	Event Date	Target Audience	Expected result
4	Scenario 1	v	v	v	Event created successfully
5	Scenario 2	v	I	N/A	Event not created
6	Scenario 3	v	v	I	Event not created

Identifying data values set

Test case ID	Scenario/ Condition	User Credentials	Event Date	Target Audience	Expected result
4	Scenario 1	am932075@student.nitw.ac.in	30-11-2022	B.Tech all branches	Event created successfully
5	Scenario 2	ds952075@student.nitw.ac.in	30-11-2002	B.Tech all branches	Event not created
6	Scenario 3	gp952026@student.nitw.ac.in	30-11-2022	None	Event not created

3. Use case and its alternate flows

Use case name: Add exam schedules

Basic flow

1. Navigate to the calendar - to a date.
2. Click on add an exam.
3. Fill in the details - such as course name, time slot, place.
4. Click on next.
5. Type in comments/instructions from the teacher if any, else "N/A"
6. Click on 'post'.

Alternate flow

Alternate flow 1

1.0.E.1 User tries to schedule an exam in the past

1. Error message will be displayed.

Alternate flow 2

1.0.E.2 User tries to schedule two exams in the same slot

1. Error message will be displayed.

Alternate flow 3

1.0.E.2 User tries to enter a time slot or course name that is not valid

1. Error message will be displayed.

Generating scenarios

Partial scenario matrix

Scenario no.	Scenario name	Starting flow	Alternate flow
1	Exam schedule successfully added	Basic flow	
2	Exam added in the past	Basic flow	E1
3	Two exams in the same time slot	Basic flow	E2
4	Invalid course name	Basic flow	E3

Identifying test cases

Test case matrix for use case 3

Test case ID	Scenario/ Condition	Timeslot	Time slot Is Empty	Course name	Branch	Section	Expected result
7	Scenario 1	v	v	v	v	v	Exams added
8	Scenario 2	I	v	v	N/A	N/A	Exam not added. Display error message.
9	Scenario 3	I	I	v	v	v	Exam not added. Display error

							message .
10	Scenario 4	v	v	I	N/A	N/A	Exam not added. Display error message .

Identifying data values set

Test case ID	Scenario/ Condition	Timeslot	Time slot Is Empty	Course name	Branch	Section	Expected result
7	Scenario 1	23-10-2023	Yes	CS101	CSE	A	Exams added
8	Scenario 2	23-10-2002	Yes	CS302	CSE	A	Exam not added.
9	Scenario 3	23-10-2002	No	CS102	CSE	C	Exam not added
10	Scenario 4	23-10-2002	Yes	CS702	N/A	B	Exam not added

4. Use case and its alternate flows

Use case name: Edit class schedule

Basic flow

1. Navigate to the calendar - to a date.
2. Click on update/add schedule.
3. Fill in the details - such as course name, time slot, place, professor name.

4. Click on 'update'.

Alternate flow

Alternate flow 1

1.0.E.1 User tries to schedule a class in the past

2. Error message will be displayed.

Alternate flow 2

1.0.E.2 User tries to schedule a class beyond class hours

1. Error message will be displayed.

Alternate flow 3

1.0.E.3 User tries to schedule two classes in the same time slot

1. Error message will be displayed.

Generating scenarios

Partial scenario matrix

Scenario no.	Scenario name	Starting flow	Alternate flow
1	Class successfully edited.	Basic flow	

Identifying test cases

Test case matrix for use case 4

Test case ID	Scenario/ Condition	Timeslot	Course name	Branch	Section	Expected result
11	Scenario 1	v	v	v	v	Class successfully edited

Identifying data values set

Test case ID	Scenario/ Condition	Timeslot	Course name	Branch	Section	Expected result
11	Scenario 1	13:00 27/10/2022	CS201	ECE	A	Class successfully edited