Login and register algorithm

Step 1: start

Step 2: display login page

Step 3: IF Register was clicked THEN

Go to: step 4

ELSE

Go to: step 9

Step 4: Display register page

Step 5: Input email, password and confirm password

Step 6: IF email is valid and password and confirm password matched THEN

Go to: step 7

ELSE

Go to: step 2

Step 7: add the new user to the database

Step 8: Go to: step to

Step 9: Input email and password

Step 10: IF email and password is correct THEN

Go to: HOME

ELSE

Go to: step 1

HOME

Step 1: start

Step 2: fetch classes

Step 3: display classes

Step 4: IF user chose a class THEN

Go to: SPECIFIC CLASS

Step 5: IF user is instructor and clicked make class THEN

Go to: CREATE CLASS

CREATE CLASS

Step 1: start

Step 2: Input class name

Input description

Input course

Input year

Step 3: save class info in database

Step 4: Go to: HOME

Step 5: END

SPECIFIC CLASS

Step 1: fetch all lessons

Step 2: display lessons

Step 3: IF user clicked a specific lesson THEN

Go to: SPECIFC LESSON

ELSE IF user clicked classwork THEN

Go to: CLASSWORK

ELSE IF user clicked people THEN

Go to: PEOPLE

ELSE IF user clicked grades THEN

Go to: GRADES

Step 4: IF user is instructor THEN

IF user clicked create new lesson THEN

Go to: CREATE NEW LESSON

CREATE NEW LESSON

Step 1: start

Step2: Input Title

Input Description

Input Type

Input Max Mark

Input Deadline

Step 3: IF inputs are valid THEN

Save the new lesson to the database

ELSE

Go to: Step 1

Step 4: Go to: SPECIFIC CLASS

Step 5: END

SPECIFIC LESSON

Step 1: start

Step 2: display lesson info

Step 3: IF user is instructor THEN

IF user clicked add lesson files THEN

Go to: ADD LESSON FILES

ELSE IF user clicked edit THEN

Go to: EDIT LESSON

ELSE IF user clicked delete lesson THEN

Go to: DELETE LESSON

ELSE IF user clicked go back THEN

Go to: SPECIFIC CLASS

ELSE IF user clicked a specific student work THEN

Go to: SPECIFC STUDENTWORK

Step 4: IF user is student THEN

IF user clicked add student work THEN

Go to: ADD STUDENT WORK

Step 5: END

ADD LESSON FILES

Step 1: start

Step 2: input file

Step 3: IF file is valid and under 5mb THEN

Save file to the database

ELSE

Go to: step 1

Step 4: IF user clicked go back THEN

Go to: SPECIFIC LESSON

Step 5: END

EDIT LESSON

Step 1: start

Step2: Input new Title

Input new Description

Input new Type

Input new Max Mark

Input new Deadline

Step 3: IF inputs are valid THEN

Save edited lesson info

ELSE

Go to: step1

Step 4: IF user clicked go back THEN

Go to: SPECIFIC LESSON

Step 5: END

DELETE LESSON

Step 1: start

Step 2: display prompt

Step 3: IF user clicked yes THEN

Delete lesson

ELSE

Go to: SPECIFIC LESSON

Step 4: Go to SPECIFIC LESSON

Step 5: END

SPECIFIC STUDENTWORK

Step 1: start

Step 2: display student work

Step 3: IF user clicked mark THEN

Step 1: Input mark

Input remark

IF user clicked mark student THEN

save mark

Step 4: IF user clicked go back THEN

Go to: SPECIFIC LESSON

Step 5: END

CLASSWORK

Step 1: start

Step 2: display all classwork

Step 3: IF user clicked a specific classwork THEN

IF user is instructor THEN

IF user clicked go to lesson THEN

Go to: SPECIFIC LESSON

ELSE

Display classwork info and submission status

ELSE

IF user clicked go to lesson THEN

Go to: SPECIFIC LESSON

ELSE

Display classwork info

Step 4: END

PEOPLE

Step 1: start

Step 2: display all students and instructor

Step 3: IF user is instructor THEN

IF user clicked un-enroll THEN

Go to: UNENROLL STUDENT

ELSE IF user clicked accept THEN

Go to: ACCEPT STUDENT

ELSE IF user clicked invite student THEN

Go to: INVITE STUDENT

Step 4: END

UNENROLL STUDENT

Step 1: start

Step 2: display confirmation

Step 3: IF user clicked yes THEN

Remove student from the class students list

Step 4: IF user clicked go back THEN

Go to: PEOPLE

Step 5: END

ACCEPT STUDENT

Step 2: display confirmation

Step 3: IF user clicked yes THEN

Add student from the class students list

Step 4: IF user clicked go back THEN

Go to: PEOPLE

Step 5: END

INVITE STUDENT

Step 1: start

Step 2: Input Email

Input your message

Step 3: IF user clicked send THEN

Send an initation to the student

Step 4: IF user clicked go back THEN

Go to: PEOPLE

Step 5: END

GRADES

Step 1: start

Step 2: IF user clicked prelim THEN

Step 1: get prelim grades

Step 2: Go to: TERM GRADE with prelim grades as input

ELSE IF user clicked midterm THEN

Step 1: get midterm grades

Step 2: Go to: TERM GRADE with midterm grades as input

ELSE IF user clicked semifinals THEN

Step 1: get semifinals grades

Step 2: Go to: TERM GRADE with semifinals grades as input

ELSE IF user clicked finals THEN

Step 1: get finals grades

Step 2: Go to: TERM GRADE with finals grades as input

Step 3: END

TERM GRADE

Step 1: start

Step 2: get input

Step 3: IF user clicked quiz THEN

Step 1: get the quiz grades from the input

ELSE IF user clicked assignment THEN

Step 1: get the assignment grades from the input

ELSE IF user clicked activity THEN

Step 1: get the activity grades from the input

ELSE IF user clicked exam THEN

Step 1: get the exam grades from the input

Step 4: display grades

Step 5: IF user clicked create excel THEN

Step 1: convert the grades table to excel

Step 2: download excel

Step 6: END