

ISKolarly

User's

Manual

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LIST OF DEPENDENCIES

FOR localhost:

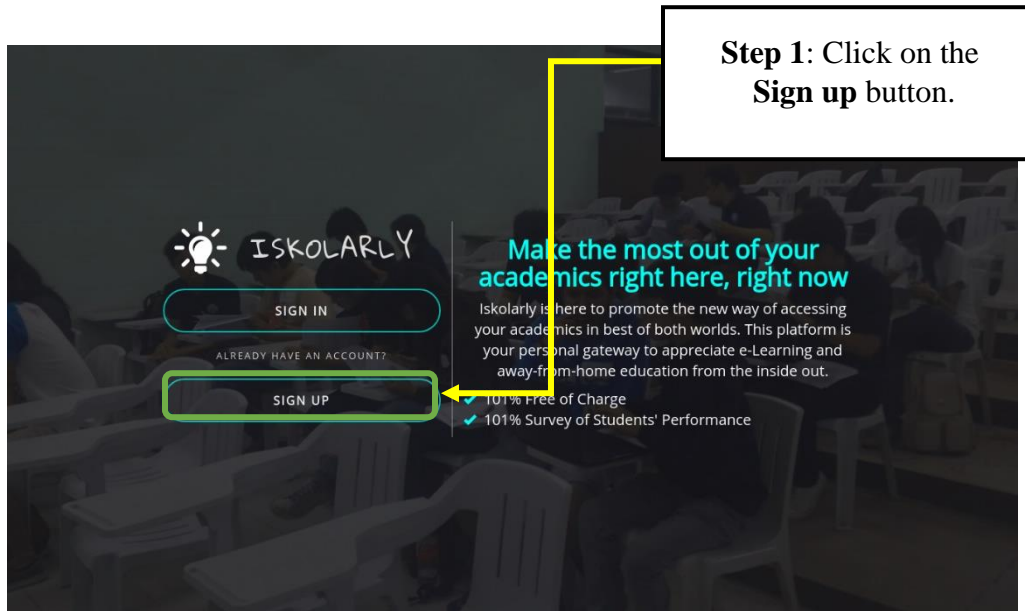
- i. Node version 9.x.x (for BCrypt support)**
- ii. npm package manager** – used to install packages and dependencies to make the web application locally available
- iii. Redis Server and Redis Client** – used for session handling and storing
- iv. MySQL** – the RDBMS used for the schema for the web application
- v. R-Base (R programming language)** – the programming language used for the implementation of the pattern mining of the web application
- vi. Modern web browsers and their latest updates** – this dependency is considered to make sure that the web application will run smoothly.

FOR DEPLOYED WEB APPLICATION

- NOTHING but a latest web browser to support and use the full functionality of the web application

A. Instructor Module

1. Creating an account

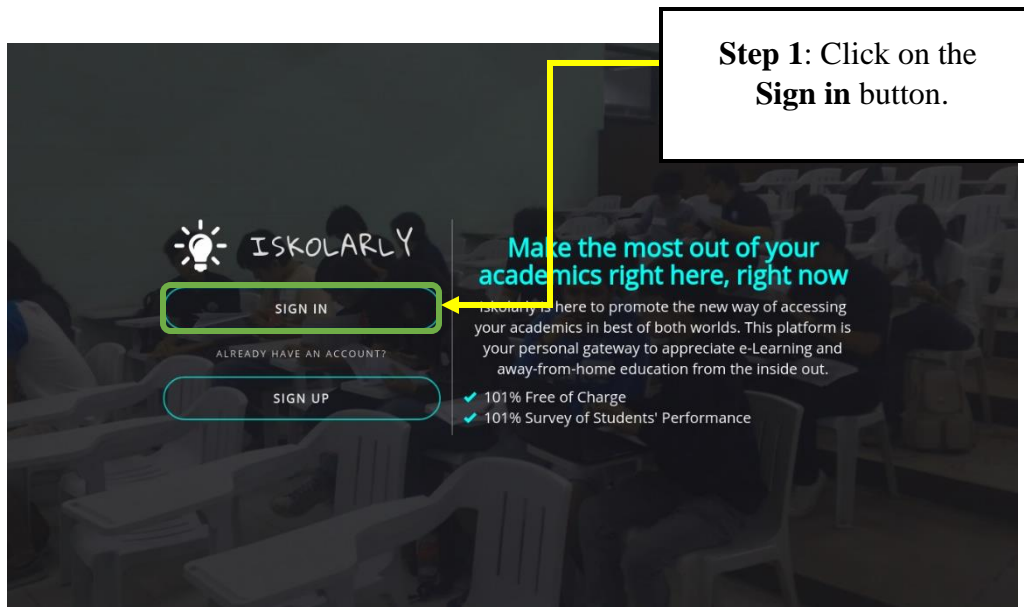


The screenshot shows the "Sign Up" form. It has fields for "First Name", "Middle Name", "Last Name", "Birthdate", "Email address", "Username", "Password", and "Re-enter Password". Each field has a placeholder text and a green checkmark icon. Below the form, there is a section "You're a" with two radio buttons: "Student" and "Instructor". The "Instructor" radio button is selected and highlighted with a green border. At the bottom left, there are two buttons: "Sign up" and "Cancel". A yellow arrow points from the "Instructor" radio button to a text box on the right, and another yellow arrow points from the "Sign up" button to a text box at the bottom.

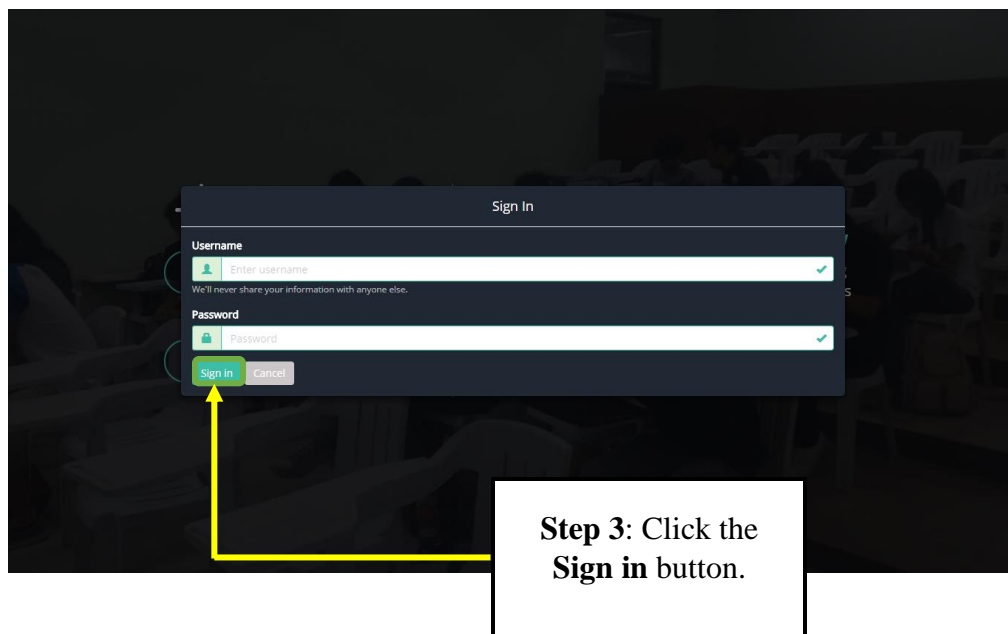
Step 2: Select as Instructor and fill up the form.

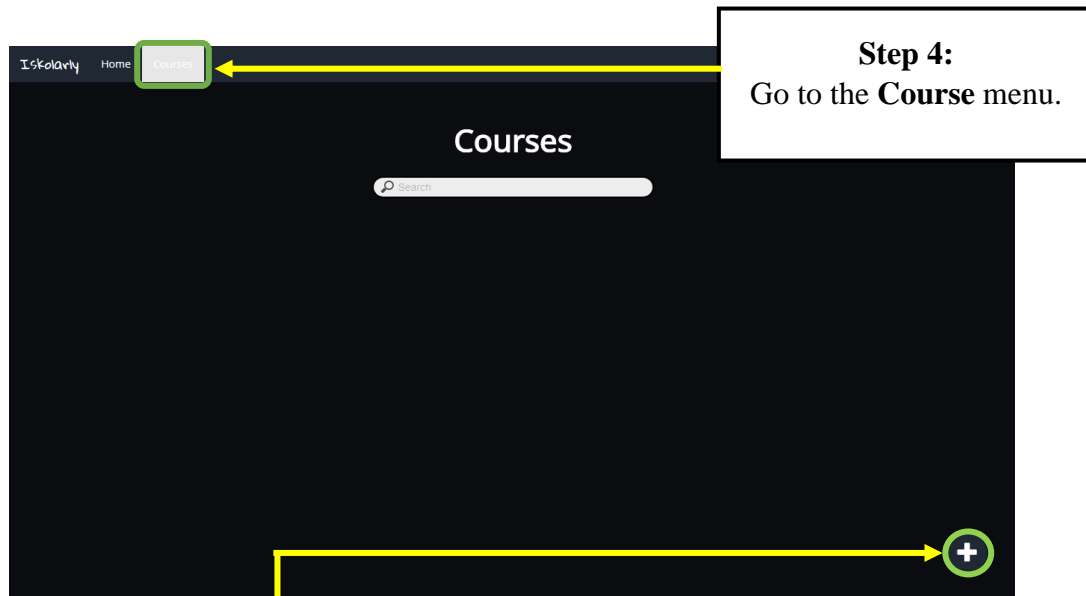
Step 3: Click the Sign up button.

2. Adding a course



Step 2: Fill up the form using valid credentials.





Step 5: Click the **Add icon** button.

Step 6: Fill up the form.

Iskolarly Home Courses Other Option ▾

Courses

Create a Class

Class Title
Enter class name ✓

Class Section
Enter class section ✓

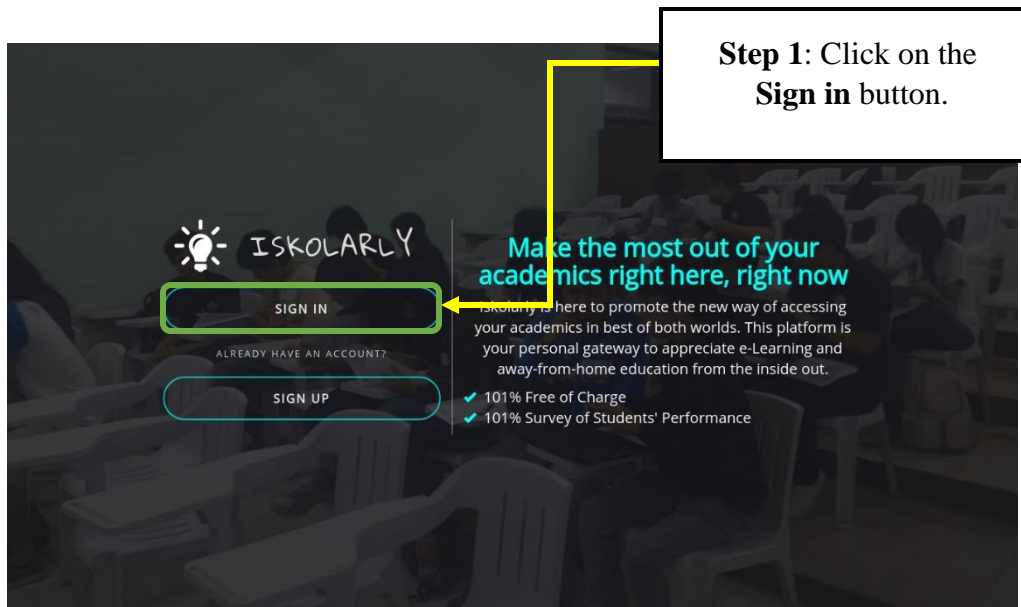
Class Description
Enter class description ✓

Remaining Characters: 256

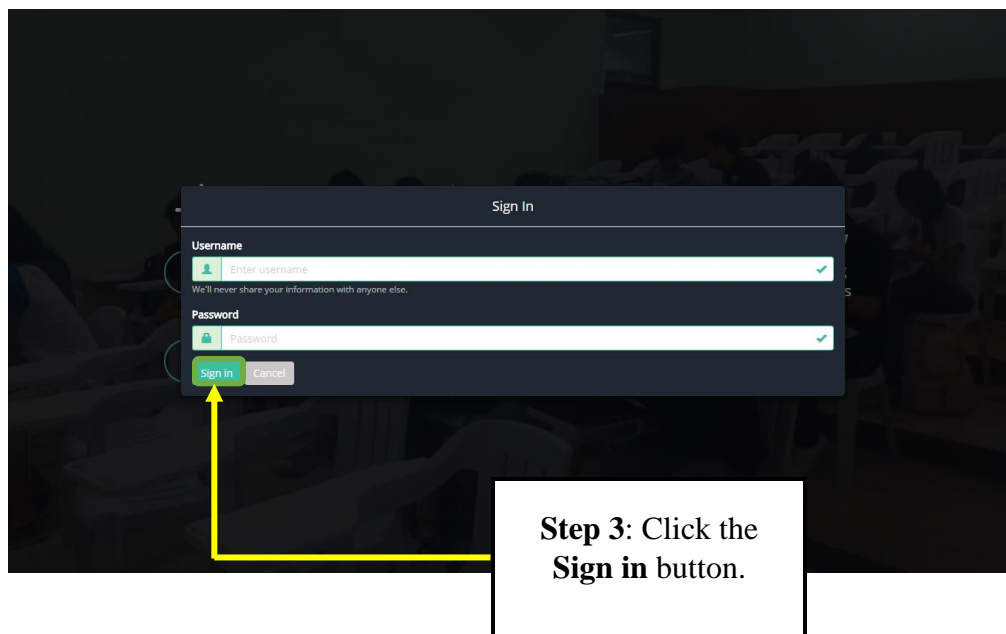
Create Cancel

Step 7: Click the **Create** button.

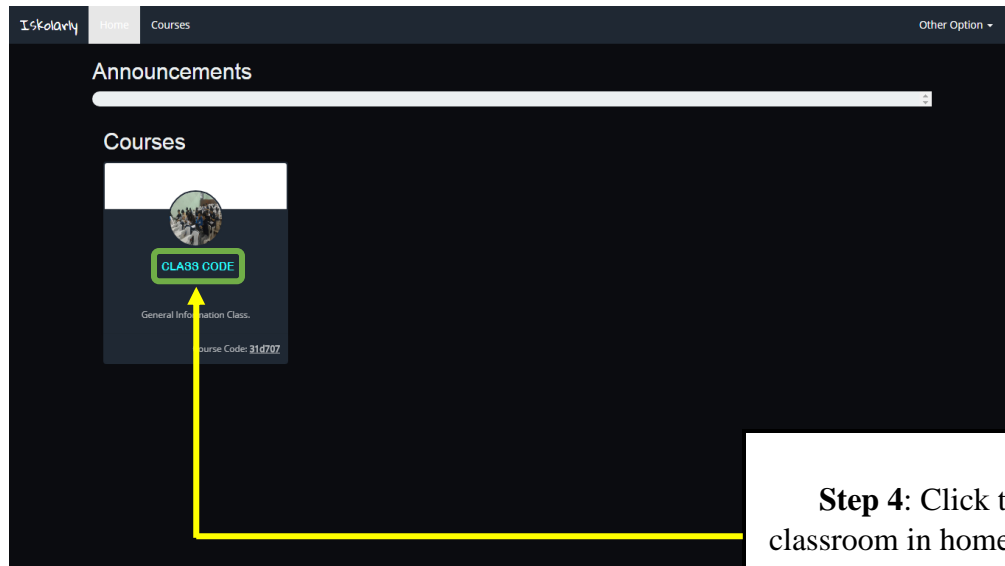
3. Creating posts or announcements, quizzes, and attachments



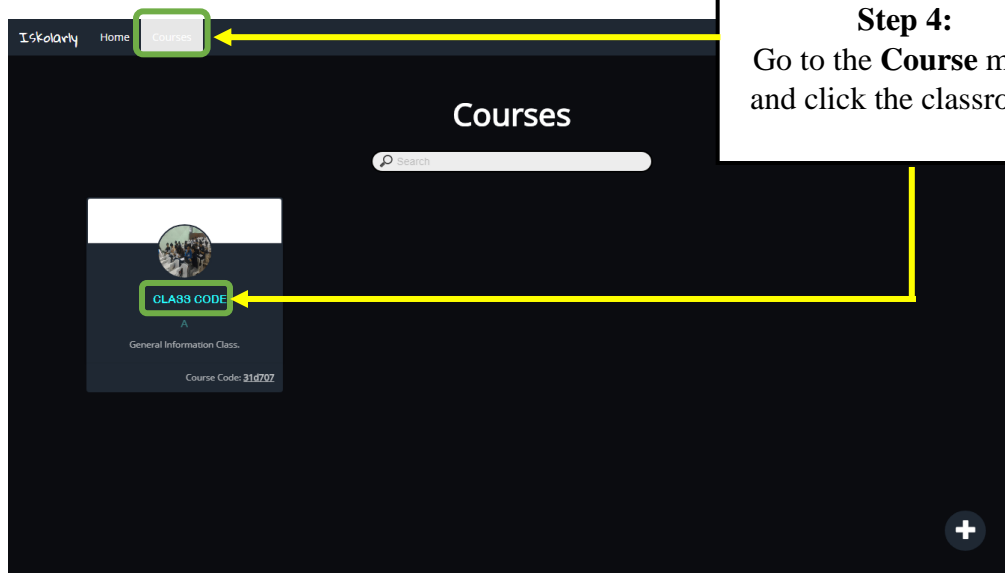
Step 2: Fill up the form using valid credentials.



Assuming that classroom is created. There are two ways to access the classroom; home menu and course menu.



Step 4: Click the classroom in home page.



Step 4:
Go to the **Course** menu
and click the classroom.

Steps in creating posts and announcements.

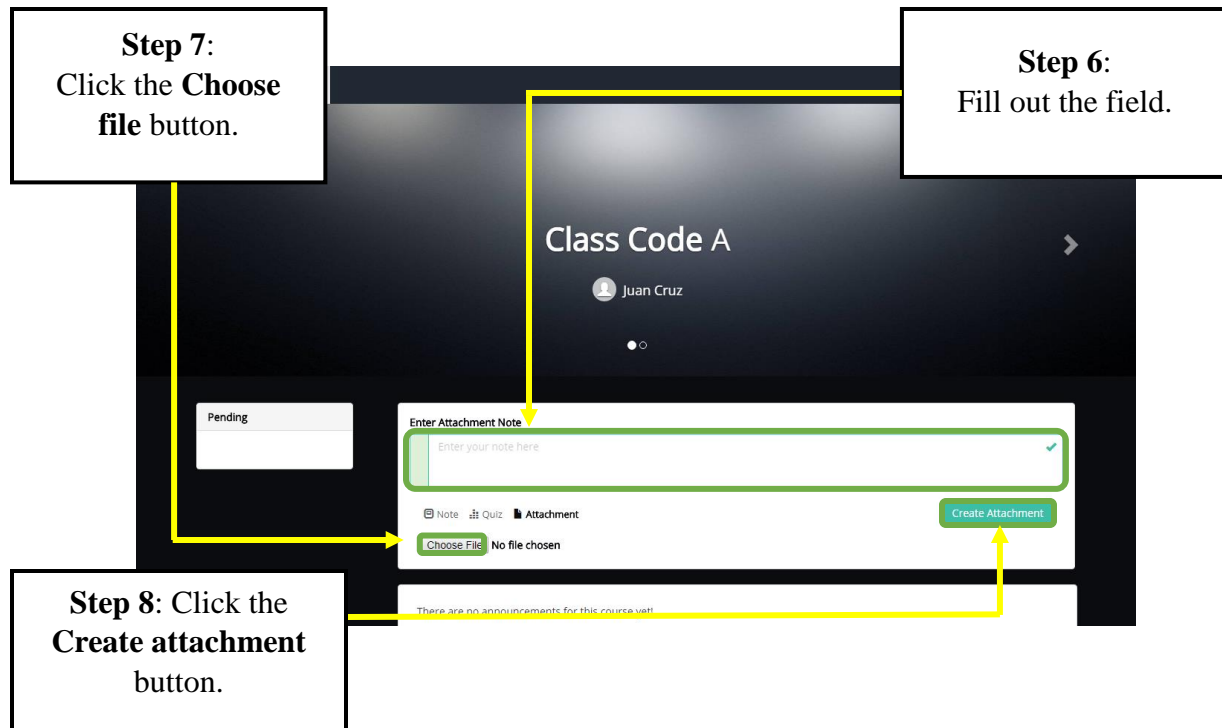
Step 5:
Click the **Note**.

Step 6:
Fill out the field.

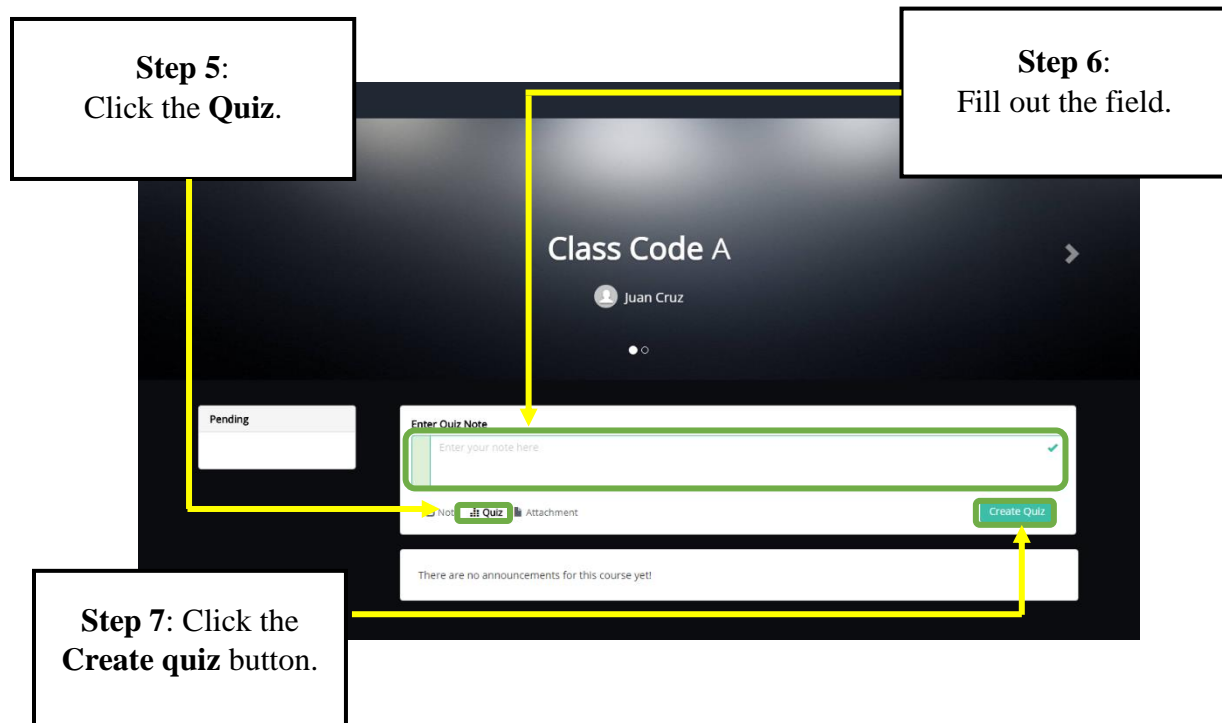
Step 7: Click the
Create note button.

Steps in creating attachments.

Step 5:
Click the **Attachments**.



Steps in creating quizzes.



Step 8: Fill up the form.

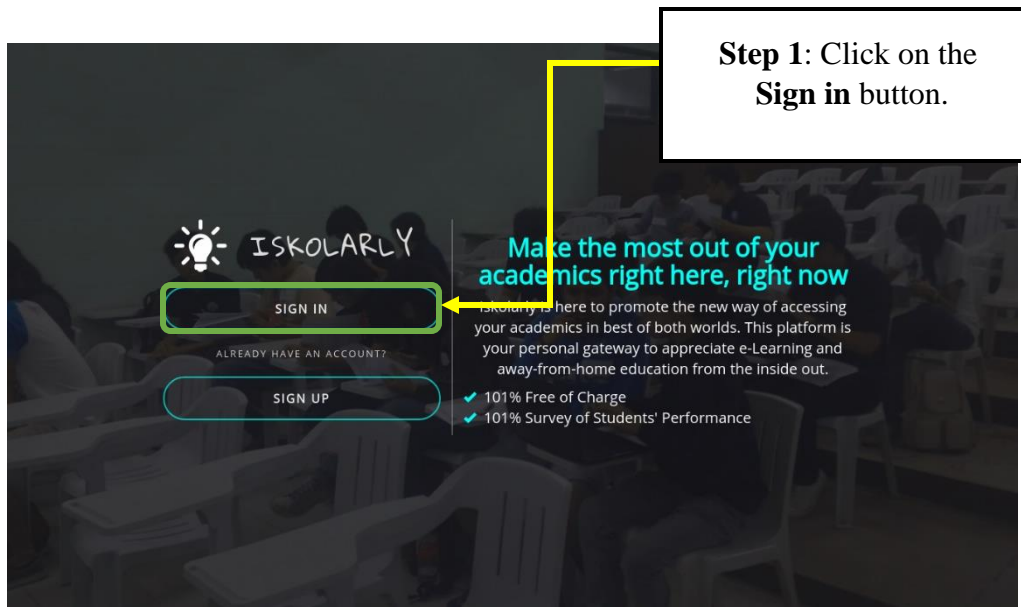
The screenshot shows the 'Quiz' form in the Iskolarly application. The form is titled 'Quiz' and contains the following fields:

- Quiz name:** A text input field with a placeholder 'Enter quiz name'.
- Add description:** A text area with a placeholder 'Add description here' and a character count 'Remaining Characters: 256'.
- Items:** A text input field with a placeholder 'Enter item name'.
- Start datetime:** A date and time picker.
- End datetime:** A date and time picker.

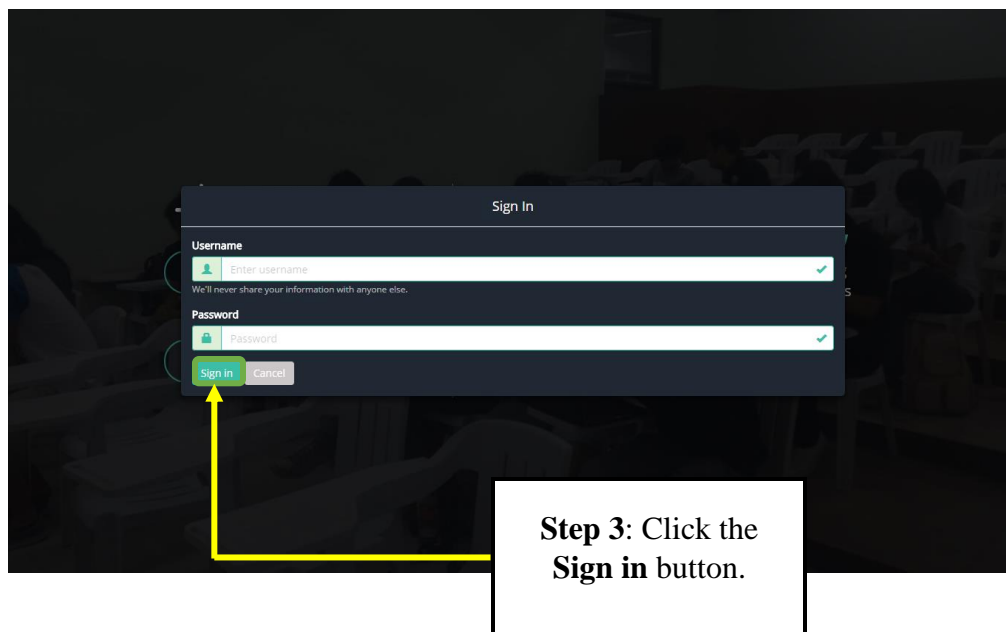
At the bottom of the form, there are two buttons: 'Submit' and 'Cancel'. A yellow arrow points to the 'Submit' button. To the right of the form, there is a 'Create Quiz' button. The background of the application shows a sidebar with 'Pending' and 'Other Option' buttons.

Step 9: Click the **Submit** button.

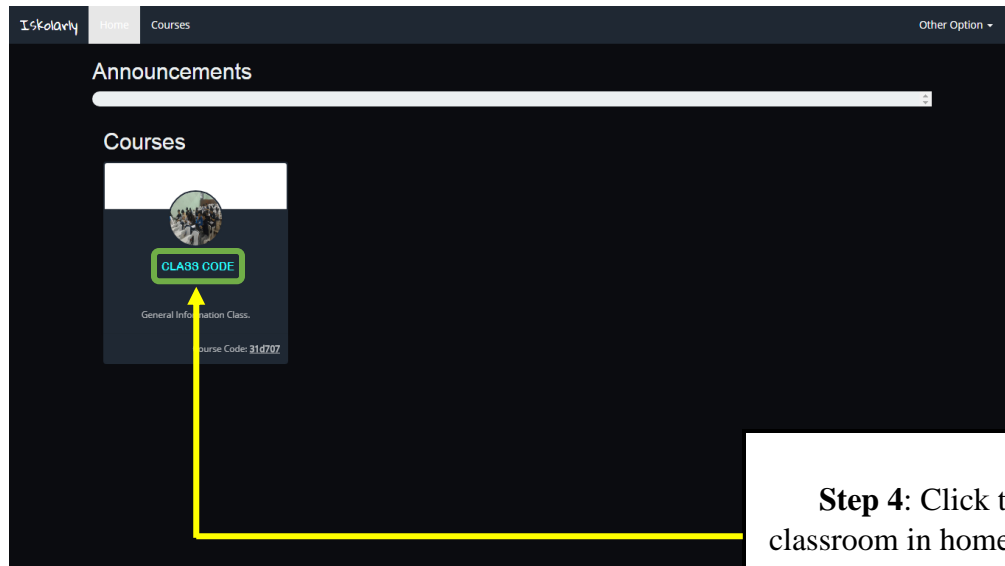
4. Creating questionnaires



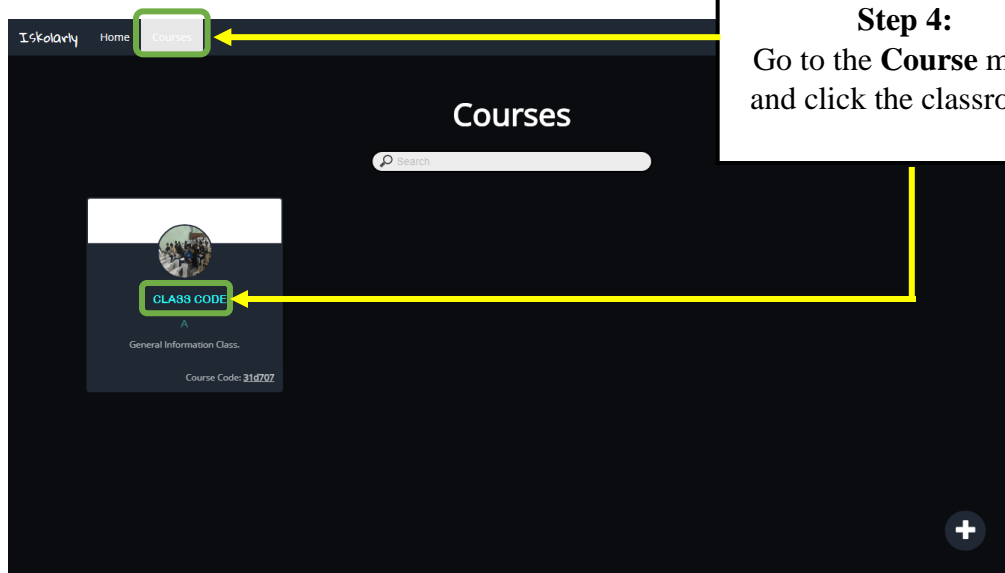
Step 2: Fill up the form using valid credentials.



Assuming that classroom is created. There are two ways to access the classroom; home menu and course menu.

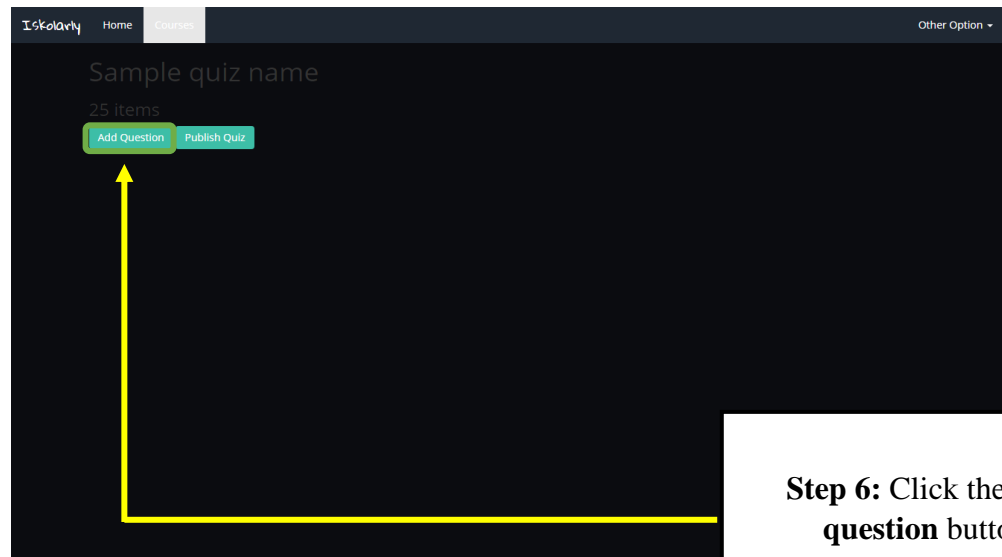


Step 4: Click the classroom in home page.



Step 4:
Go to the **Course** menu
and click the classroom.

Step 5: Assuming that quiz is created. Click the quiz post.



Step 6: Click the **Add question** button.

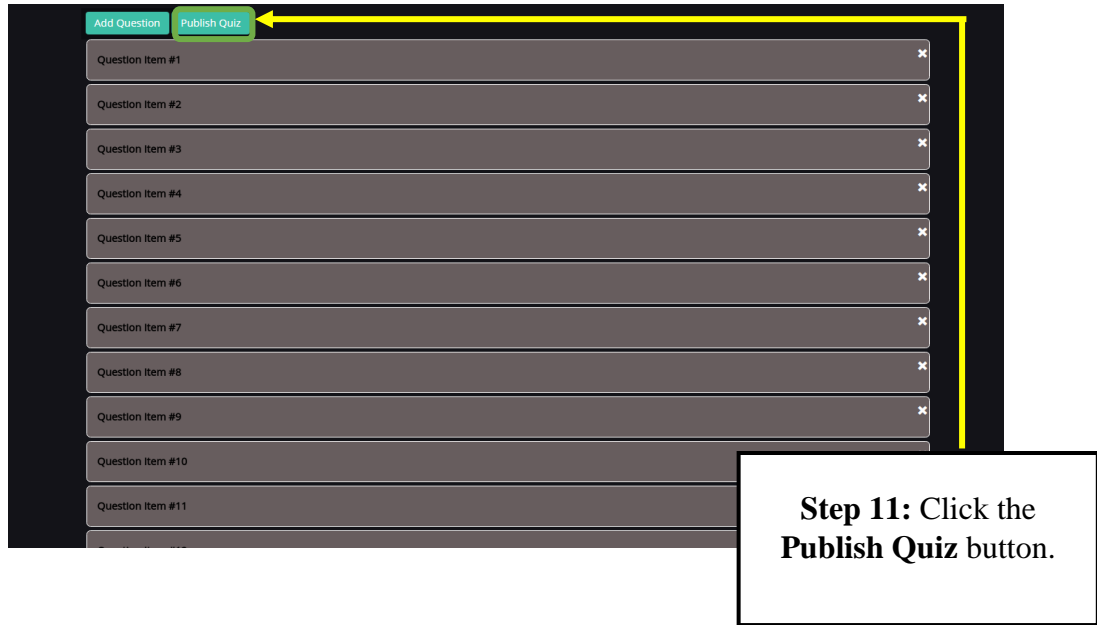
Step 7: Choose whether the choices are plain text or images.

Step 8: Fill the question field.

The screenshot shows the 'Question' form in Iskolarly. The 'Answer Type' dropdown is set to 'Text'. The 'Question' field is highlighted with a green box, and a yellow arrow points to it from the 'Step 8' instruction box. The 'Answers' section has a table with columns 'Answers' and 'Right', and a green box highlights the 'Add' icon (a plus sign) next to the table, with a yellow arrow pointing to it from the 'Step 9' instruction box. The 'Submit' button is highlighted with a green box, and a yellow arrow points to it from the 'Step 10' instruction box.

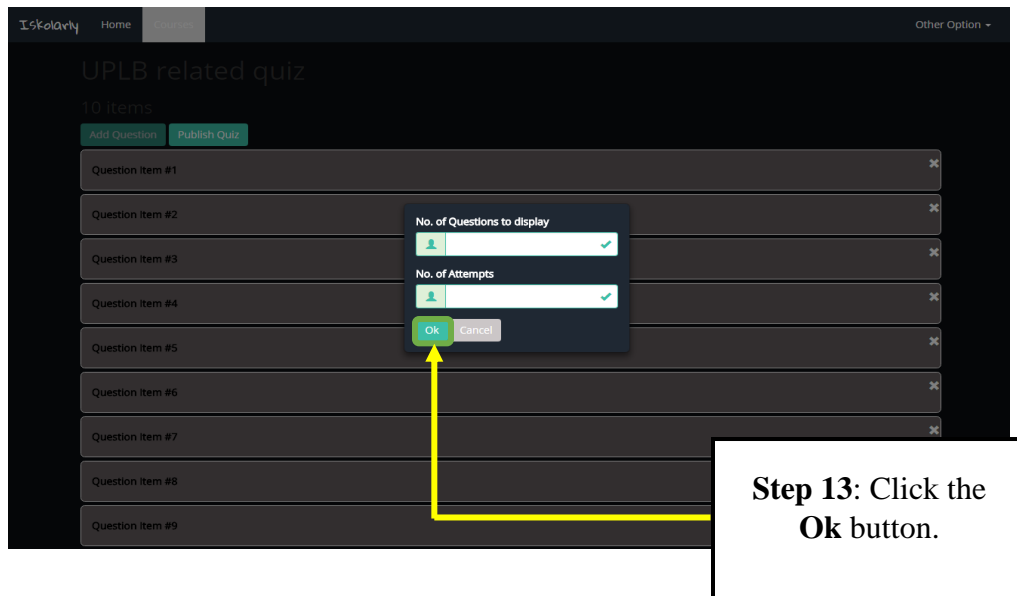
Step 10: Click the **Submit** button.

Step 9: Fill the answer field. Click the **add icon** to add another answer field.



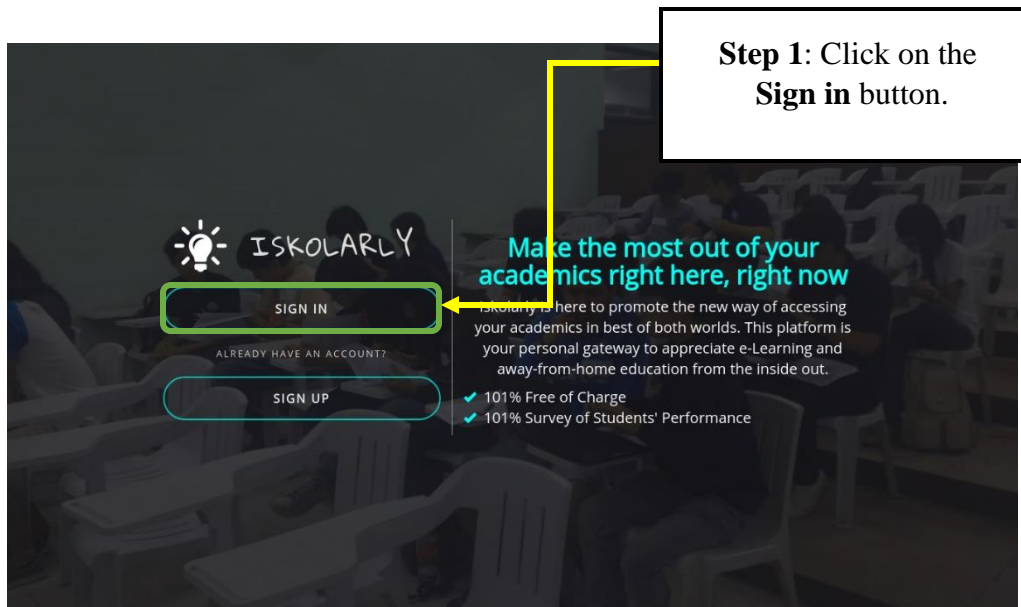
The screenshot shows a quiz editor interface with a list of 11 question items. At the top, there are two buttons: 'Add Question' and 'Publish Quiz'. A yellow arrow points to the 'Publish Quiz' button. A text box on the right contains the instruction: 'Step 11: Click the Publish Quiz button.'

Step 12: Fill up the form.

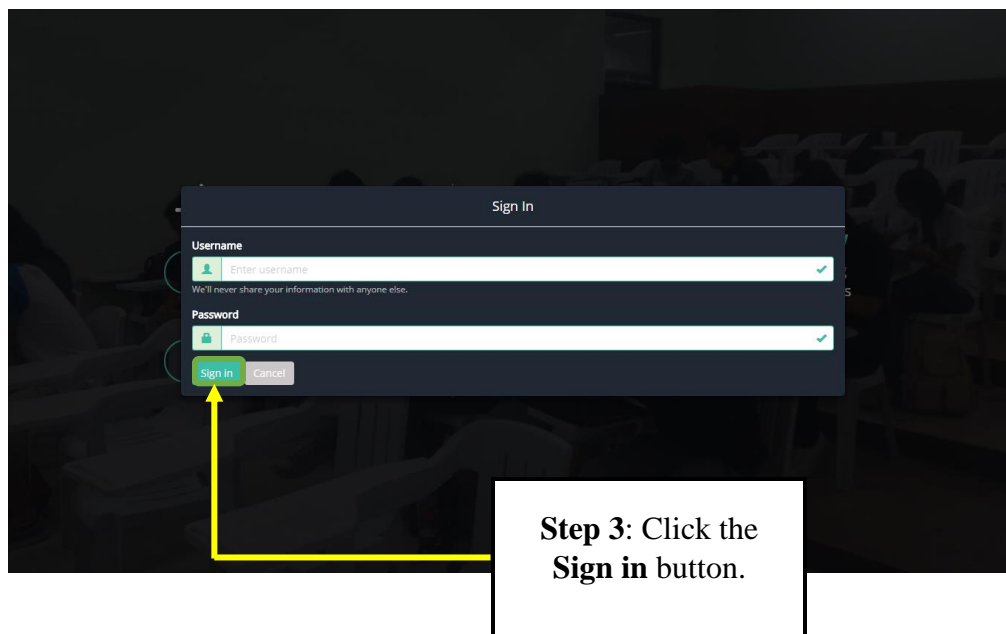


The screenshot shows the 'UPLB related quiz' form with 10 items. A modal dialog is open in the center, allowing configuration of the quiz. The dialog has two input fields: 'No. of Questions to display' and 'No. of Attempts', both with a green checkmark icon. Below these fields are 'Ok' and 'Cancel' buttons. A yellow arrow points to the 'Ok' button. A text box on the right contains the instruction: 'Step 13: Click the Ok button.'

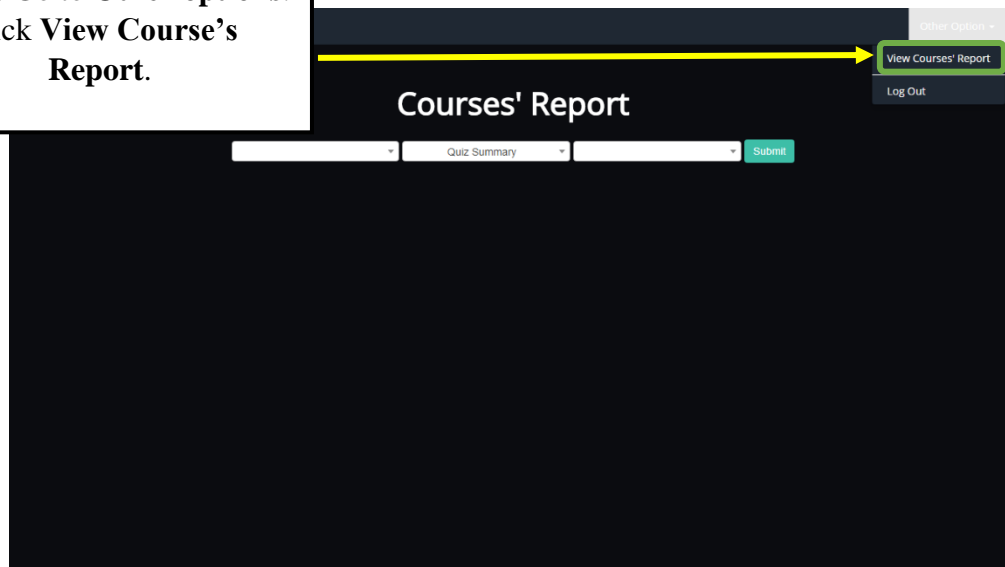
5. Checking of reports



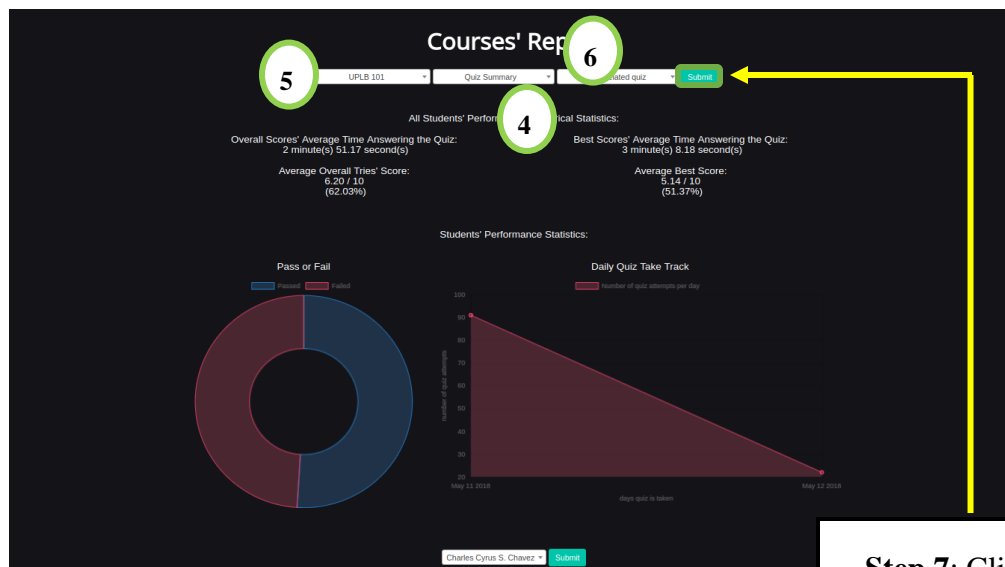
Step 2: Fill up the form using valid credentials.



Step 3: Go to Other options.
Click **View Course's Report.**



For Quiz Summary Report.



Step 4: Select Quiz Summary.
Step 5: Select in the course.
Step 6: Select the quiz name.

Step 7: Click the Submit button.

Step 8:
Select student.

For Activity Log of Finished Quizzes Report.

Step 4: Select Quiz Summary.
Step 5: Select in the course.

Iskolarky Home Courses Other Option ▾

Courses' Report

UPLB 101 ▾ Activity Log of Finished Qui... ▾ Submit

Export Logs to Spreadsheet Generate Behavioral Pattern(s)

ID	Date	Activity	Quiz No	Question No	Username	Time Viewed	Time Answered	Time Started	Time Ended	IP Address
5	May 11 2018	Quiz Started	1		chacychavez			1:7:37 AM		202.92.144.250
6	May 11 2018	Question Viewed	1	5	chacychavez	1:7:38 AM				202.92.144.250
7	May 11 2018	Question Viewed	1	5	chacychavez	1:7:48 AM				202.92.144.250
8	May 11 2018	Question Viewed	1	5	chacychavez	1:7:49 AM				202.92.144.250
9	May 11 2018	Question Viewed	1	10	chacychavez	1:8:03 AM				202.92.144.250
		Answered	1	10	chacychavez	1:8:04 AM				
		Answered	1	10	chacychavez	1:8:05 AM				

Step 9: To export the activity logs, click the **Export logs in spreadsheet.**

Step 7: To check behavioral patterns, click the **Generate Behavioral Pattern.**

A modal will pop-up after clicking the **Generate Behavioral Pattern.**

Iskolarky Home Courses

Behavioral Patterns

TOP 5 Results from the SUPPORT criteria

SUPPORT is an indication of how frequently the Itemset appears in the dataset. [1]

- Given an access date of May 11 2018 and activity type of Question Viewed, there is a high probability that the frequent answer
- Given an activity type of Question Viewed and quiz number of 1, there is a high probability that the frequent accessing date for
- Given an access date of May 11 2018 and IP address of 202.92.144.250, there is a high probability that the frequent answered
- Given an IP address of 202.92.144.250 and quiz number of 1, there is a high probability that the frequent accessing date for all
- Given an access date of May 11 2018 and activity type of Question Answered, there is a high probability that the frequent ans

TOP 5 Results from the LIFT criteria

LIFT is an indication of how strong is the relationship between the given parameters (LHS) and the matched parameter (RHS).
NOTE: Only lift values greater than 1.05 are considered. The higher lift value, the stronger relationship of two hand sides.

- There is a strong relationship between the activity type of Question Viewed, IP address of 202.92.144.250 and quiz number of 1 AND the accessing date for all activities, May 11 2018, WITH a lift value of 1.569535
- There is a strong relationship between the IP address of 202.92.144.250 and quiz number of 1 AND the accessing date for all activities, May 11 2018, WITH a lift value of 1.565207
- There is a strong relationship between the activity type of Question Viewed and IP address of 202.92.144.250 AND the accessing date for all activities, May 11 2018, WITH a lift value of 1.429310
- There is a strong relationship between the activity type of Question Viewed and quiz number of 1 AND the accessing date for all activities, May 11 2018, WITH a lift value of 1.408957
- There is a strong relationship between the access date of May 11 2018 and IP address of 202.92.144.250 AND the answered quiz number, 1, WITH a lift value of 1.402878

Close

11	May 11 2018	Question Viewed	1	10	chacychavez	1:8:05 AM				202.92.144.250
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Step 8:
Click the **Okay** button.

For Scores for All Quizzes Report.

Courses' Report

UPLB 101 Scores for All Quizzes Submit

Export Logs to Spreadsheet

Student Number	Student Name	Quiz 1	Quiz 2
123918293	SSSS, 123 456	10	0
201423699	Adricula, Franz Marquez	8	0
201433812	Angeles, Joan Caponpon	5	10
201448770	Arizapa, Jamaica May Ludovice	6	0
201422420	Bernabe, Allen Windel Villapando	7	0
201433540	Blas, June Vincent Ramos	10	10
201415287	Chavez, Charles Cyrus San Juan	7	10
201308197	de Guzman, Adriell Cabela	2	0
201457762	de Jesus, Alexandra Felicio	10	
201512242	de Leon, Owen John Chavez	8	
201500644	de Vera, Shamille Jane Lauren Lopez	8	
201565033	de Guzman, Dora G	3	

Step 6: Click the **Submit** button.

Step 4: Select Quiz Summary.
Step 5: Select in the course.

Courses' Report

UPLB 101 Scores for All Quizzes Submit

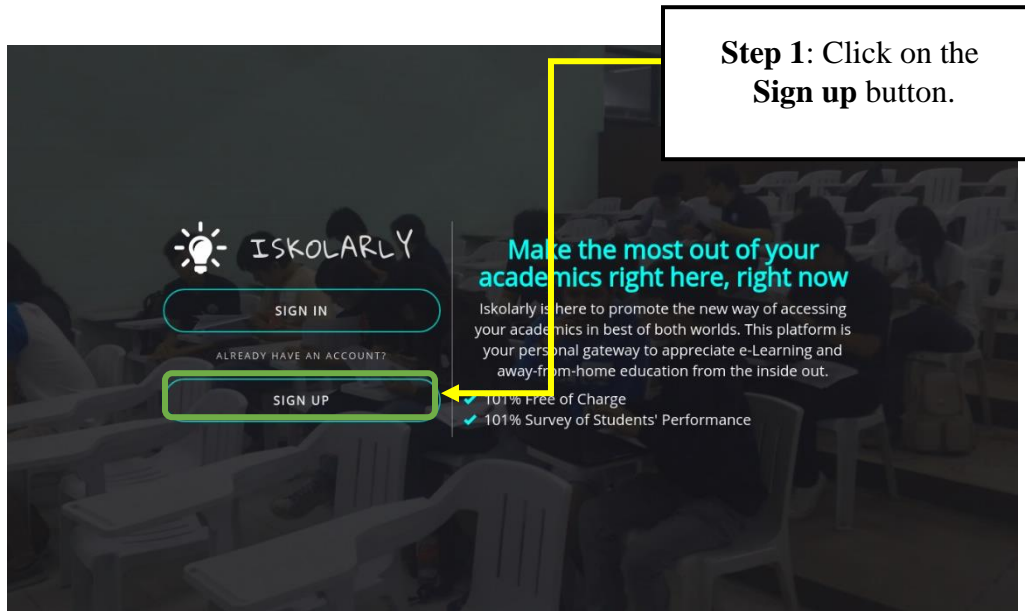
Export Logs to Spreadsheet

Student Number	Student Name	Quiz 1	Quiz 2
123918293	SSSS, 123 456	10	0
201423699	Adricula, Franz Marquez	8	0
201433812	Angeles, Joan Caponpon	5	10
201448770	Arizapa, Jamaica May Ludovice	6	0
201422420	Bernabe, Allen Windel Villapando	7	0
201433540	Blas, June Vincent Ramos	10	10
201415287	Chavez, Charles Cyrus San Juan	7	10
201308197	de Guzman, Adriell Cabela	2	0
	de Jesus, Alexandra Felicio	10	0
	de Leon, Owen John Chavez	8	0
	de Vera, Shamille Jane Lauren Lopez	8	0
	de Guzman, Dora G	3	0

Step 7: To export the scores, click the **Export logs in spreadsheet**.

B. Student Module

1. Creating an account

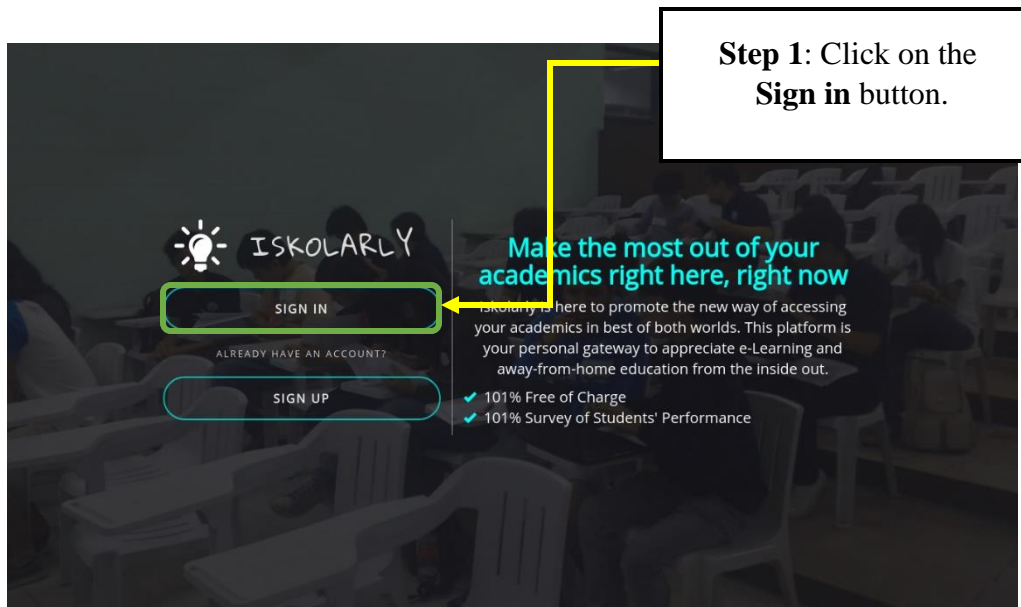


The screenshot shows the "Sign Up" form. It has several input fields: "First Name", "Middle Name", "Last Name", "Birthdate", "College", "Course", "Student Number", "Email address", "Username", "Password", and "Re-enter Password". Each field has a placeholder text and a green checkmark icon. Below the form, there is a section titled "You're a" with two radio buttons: "Student" and "Teacher". The "Student" radio button is selected and highlighted with a green border. A yellow arrow points from the "Student" radio button to a text box on the right. Another yellow arrow points from the "Sign up" button to a text box on the right.

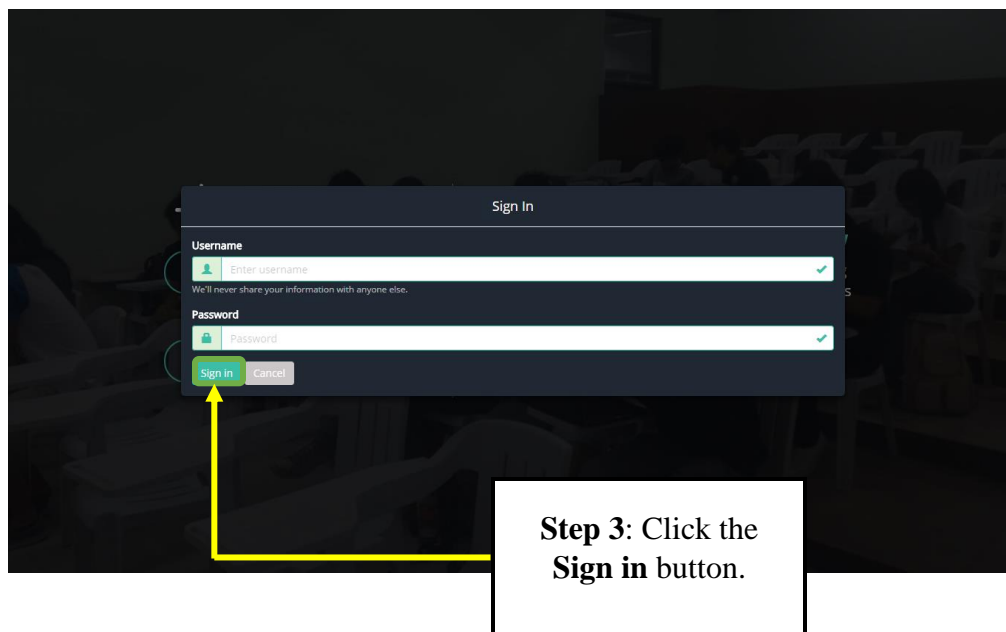
Step 2: Select as Student and fill up the form.

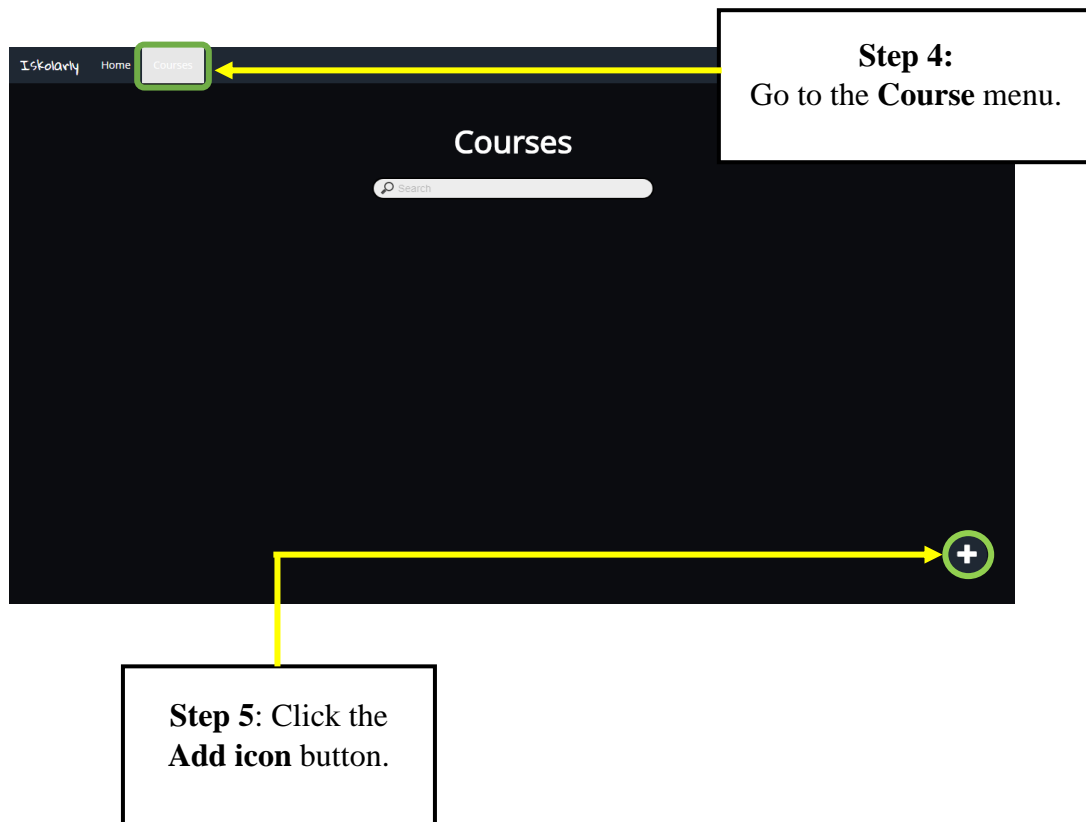
Step 3: Click the Sign up button.

2. Joining a course

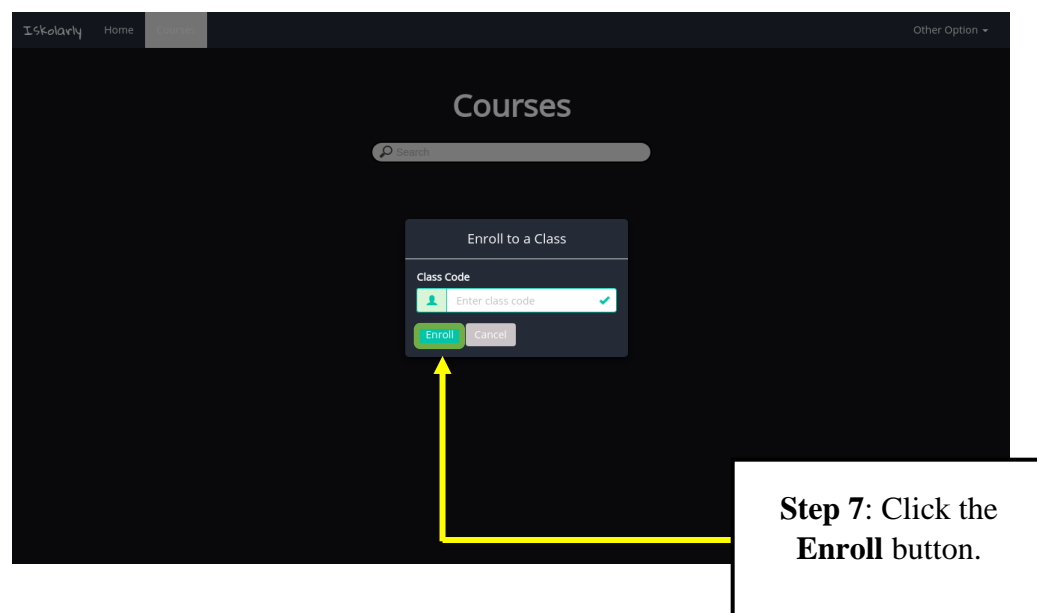


Step 2: Fill up the form using valid credentials.

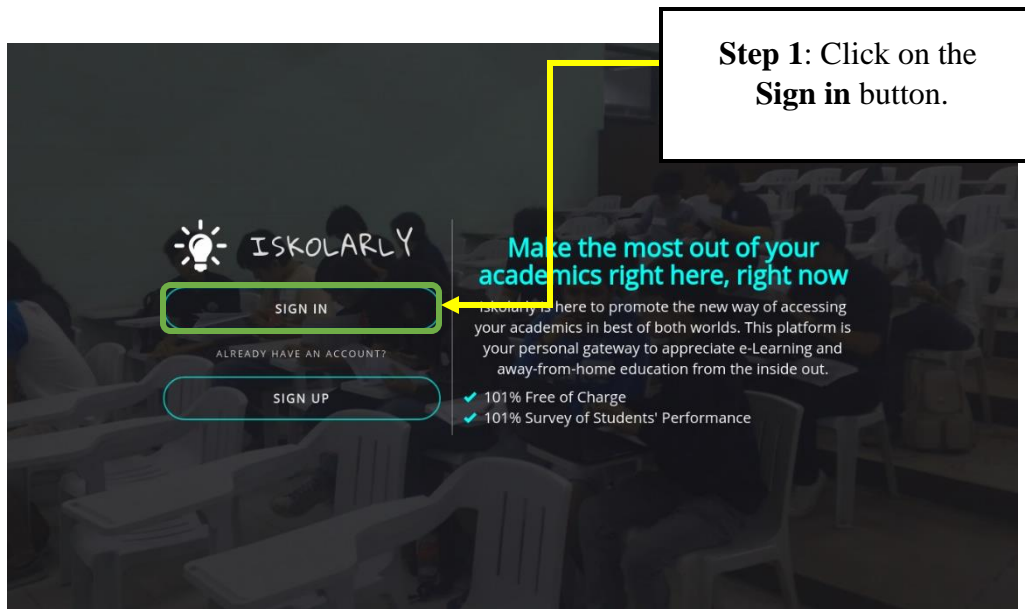




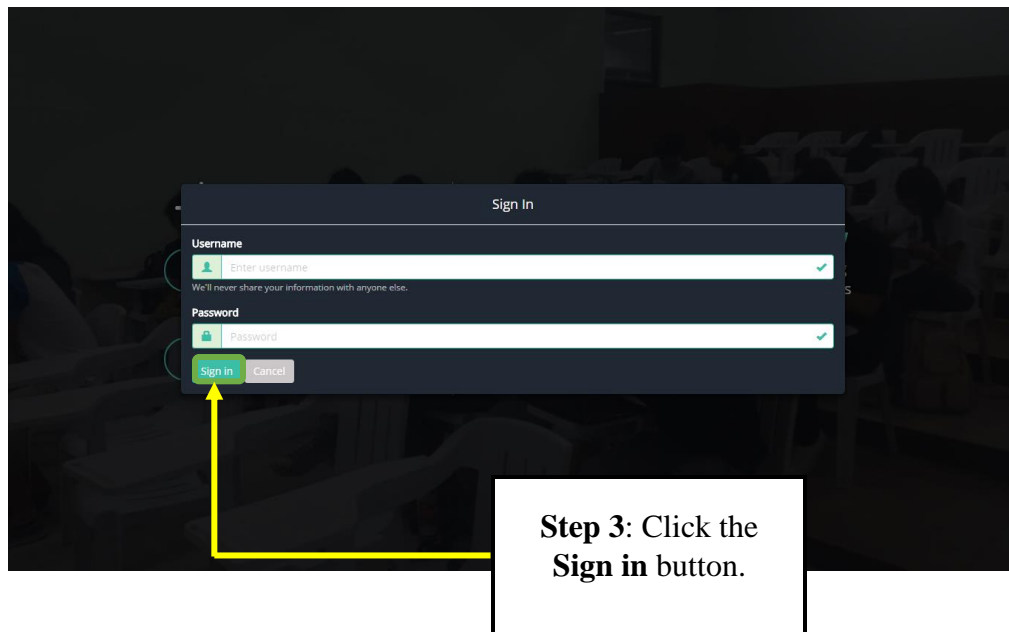
Step 6: Enter the class code provided by the instructor.



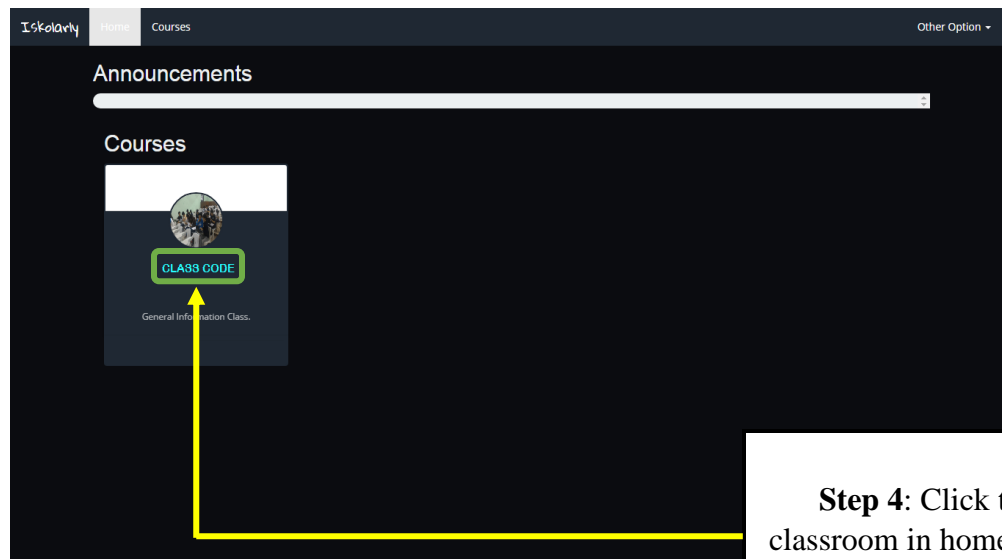
3. Creating posts or announcements, quizzes, and attachments



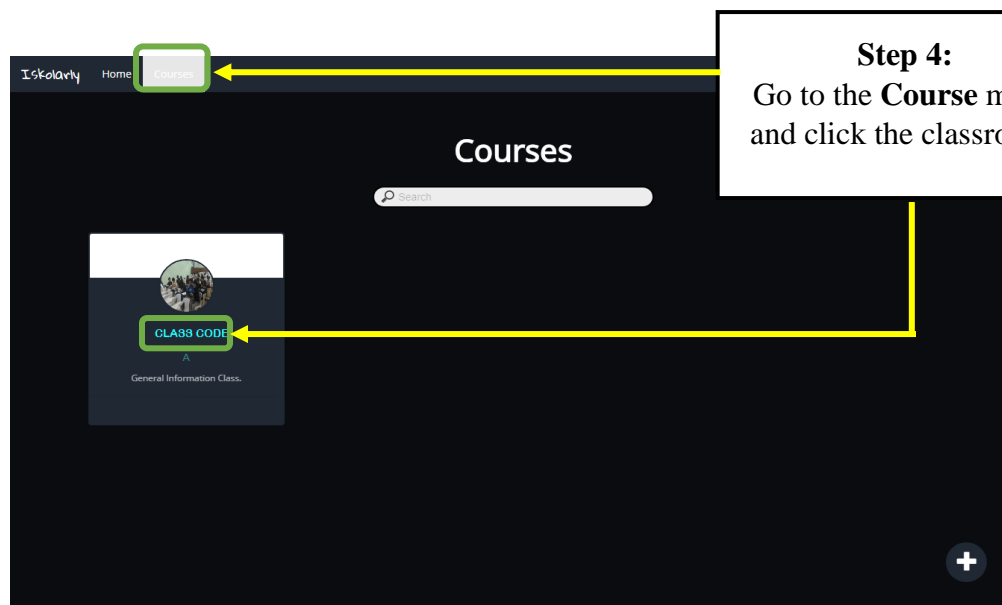
Step 2: Fill up the form using valid credentials.



Assuming that student is already joined in a classroom. There are two ways to access the classroom; home menu and course menu.



Step 4: Click the classroom in home page.



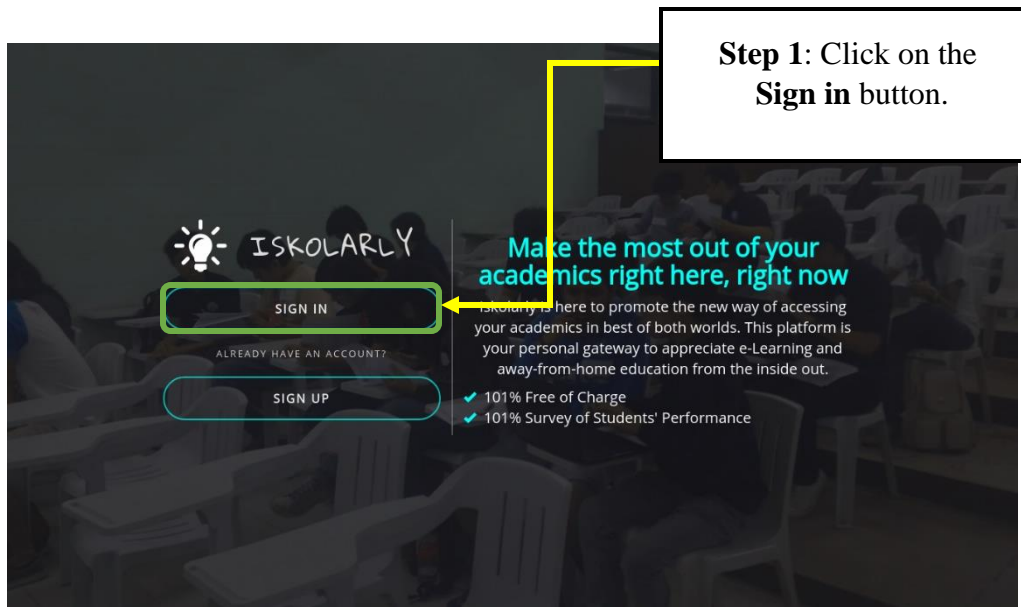
Step 4:
Go to the **Course** menu
and click the classroom.

The screenshot shows the Iskolarly interface. At the top, there is a navigation bar with 'Iskolarly', 'Home', and 'Courses'. The main header area displays 'Class Code A' and the user's name 'Juan Cruz'. Below this, there is a 'Pending' status box on the left. The central part of the page features a form titled 'Enter Note' with a text input field containing the placeholder 'Enter your note here' and a green checkmark icon. To the right of the input field is a green 'Create Note' button. Below the form, a message states 'There are no announcements for this course yet!'. Two yellow arrows indicate the steps: one points from the 'Step 5' box to the text input field, and another points from the 'Step 6' box to the 'Create Note' button.

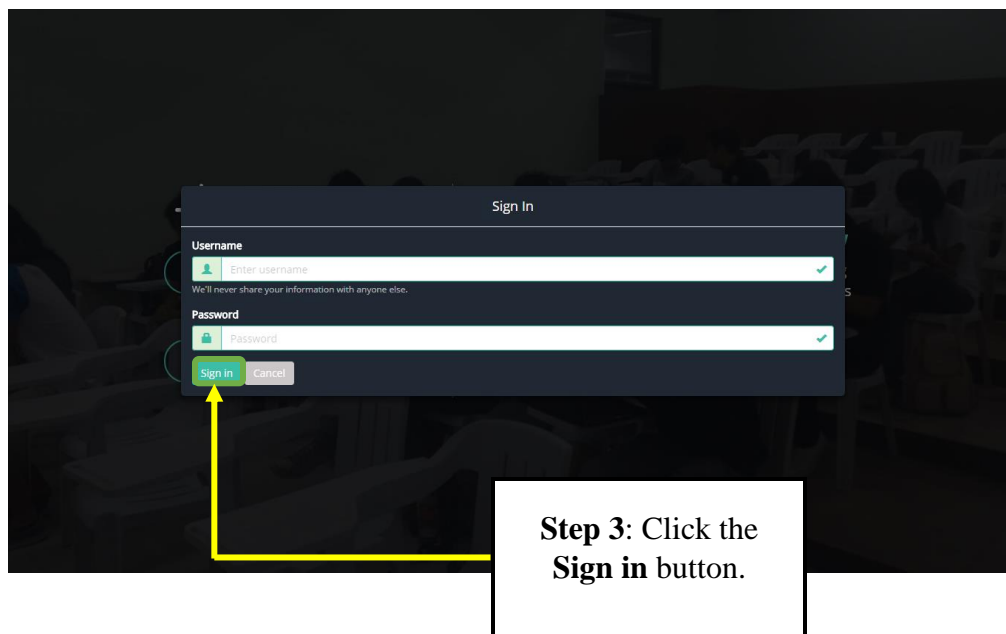
Step 5:
Fill out the field.

Step 6: Click the **Create note** button.

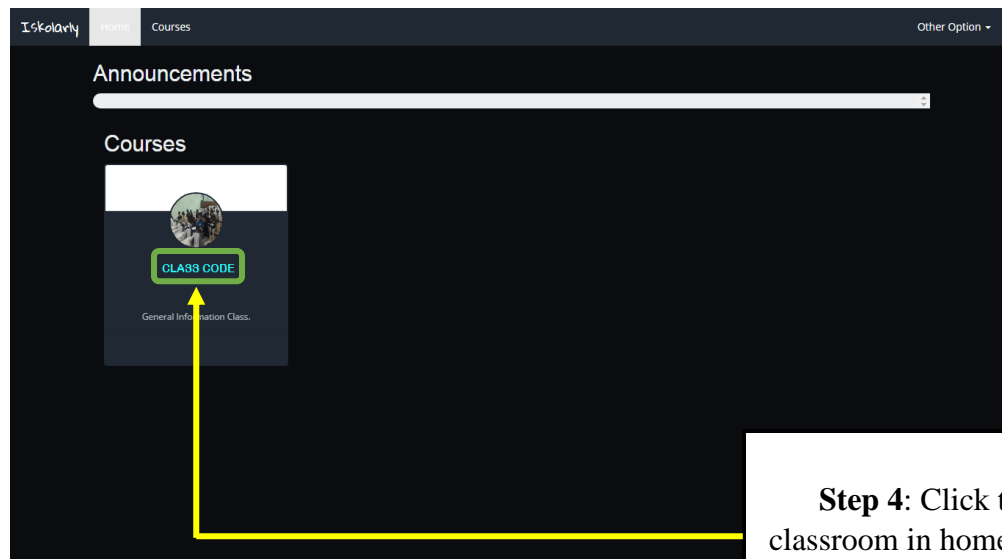
4. Taking a quiz



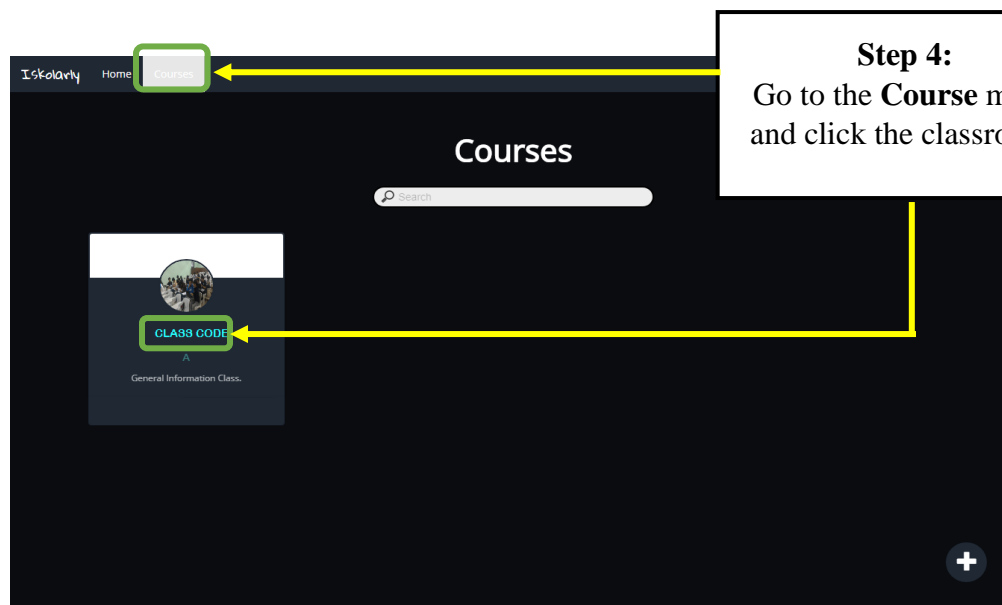
Step 2: Fill up the form using valid credentials.



Assuming that student is already joined in a classroom. There are two ways to access the classroom; home menu and course menu.



Step 4: Click the classroom in home page.



Step 4:
Go to the **Course** menu
and click the classroom.

Step 5: Assuming that the instructor already published the quiz.
Click the quiz post.

Iskolarly Home Courses Other Option ▾

Non - uplb related

Description: Choose the best answer.

Remaining attempt(s): 3

Start Quiz

Step 6: Click the **Start quiz** button to start the quiz attempt.

Iskolarly Home Courses Other Option ▾

Non - uplb related

Progress:

Question:

1. Philippines Independence Day is celebrated on what date?

June 12 May 1

December 25 January 1

Prev Next

Step 7: These are clickable buttons for viewing questions.