Online Classroom Project

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Overview of project

1. Our project is based on online learning management system.
2. As nowadays school and college are running online so it can help as a virtual classroom for students and teachers.
3. Similar to google classroom, a institute can have its own learning management system.
4. In this a single course can support multiple instructors and students.
5. It is an online classroom for students and teachers where instructor can post lectures, slides, assignments, and quizzes.
6. They can also discuss about any doubts.
7. Teachers can grade students according to their individual performance in assignments and quizzes.

Functionality

Instructor Menu
1. Add class materials
2. Add assessments
3. View lecture materials
4. View assessments
5. Grade assessments
6. Close assessments
7. View comments
8. Add comments
9. Logout

Student Menu
1. View lecture materials
2. View assessments
3. Submit assessments
4. View grades
5. View comments
6. Add comments
7. Logout

Sample test cases

Welcome to backpack

1. Enter as instructor
2. Enter as student
3. Exit

1

Instructors:

0 - I0

1 - I1

Choose id: **0**

Welcome I0

{INSTRUCTOR MENU}

1

1. Add Lecture Slide
2. Add Lecture Video

2

Enter topic of video: **Lecture 1**

Enter filename of video: **lecture1.mp4**

Welcome I0

{INSTRUCTOR MENU}

2

1. Add Assignment
2. Add Quiz

1

Enter problem statement: **Assignment 1 problem**

Enter max marks: **5**

Welcome I0

{INSTRUCTOR MENU}

9

Welcome to Backpack

1. Enter as instructor
2. Enter as student
3. Exit

2

Students:

0 - S0

1 - S1

2 - S2

Choose id: **0**

Sample test cases

Welcome S0

{STUDENT MENU}

1

Title: Slide 1

Slide 1: Content 1

Slide 2: Content 2

Number of slides: 2

Date of upload: Thu Oct 14 23:25:25 IST 2021
Uploaded by: I0

Title of video: Lecture 1

Video file: lecture1.mp4

Date of upload: Thu Oct 14 23:25:39 IST 2021

Uploaded by: I0

Welcome S0

{STUDENT MENU}

2

ID: 0 Assignment: Assignment 1 problem Max Marks: 5 ---------------

ID: 1 Question: Name a language which supports OOPS? ---------------

Welcome S0

{STUDENT MENU}

3

Pending assessments

ID: 0 Assignment: Assignment 1 problem Max Marks: 5

ID: 1 Question: Name a language which supports OOPS? Enter ID of assessment: **0**

Enter filename of assignment: **assign1_s0.zip**

Sample test cases

Welcome S0

{STUDENT MENU}

4

Graded submissions

Ungraded submissions Submission: assign1_s0.zip

Welcome S0

{STUDENT MENU}

7

Welcome to Backpack

1.   Enter as instructor
2.   Enter as student
3.   Exit

3

{End of Test Case}

Future plan for project

1. Instructor can take class meeting and doubt session.
2. Instructor can take attendance during class.
3. Will try to implement GUI and stuff.

Each member participation

1. Ayush Rai: Made ppt and wrote code of classmaterial, lecture and slides.
2. Arush Panwar: Wrote code of assignment2, backpack, comments, data, instructor, student and user.
3. Dhairya Joshi: Wrote code of assessment, assignments, quiz and submission.

THANK YOU