Classroom App Design

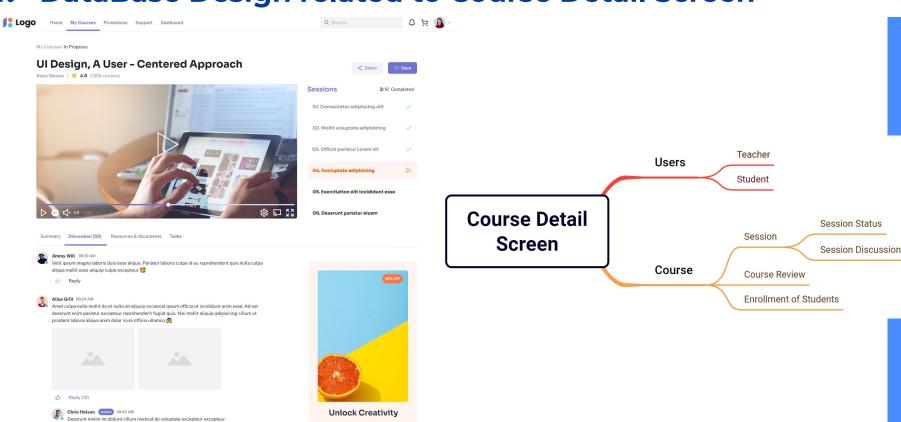
Write Query for Course Detail Screen

Agenda

- 1. Database Design related to Course Detail Screen.
- 2. Sample Data.
- 3. Query Course Detail Screen.

1. DataBase Design related to Course Detail Screen

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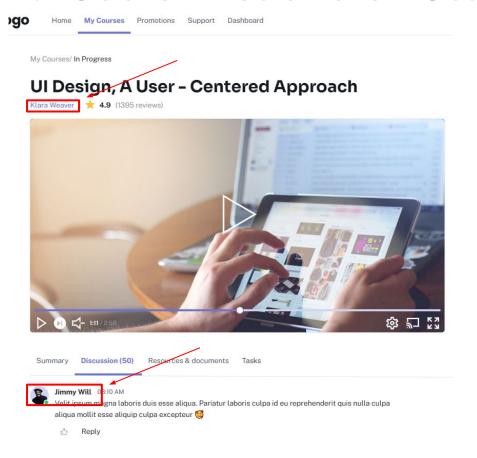
Show more discussion (47)

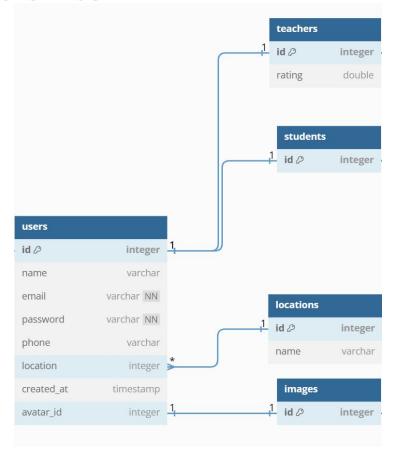
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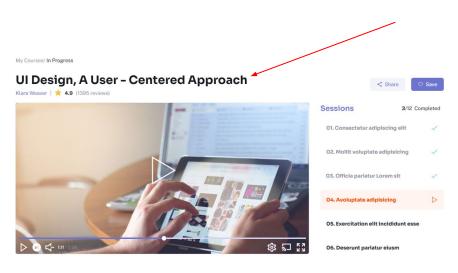
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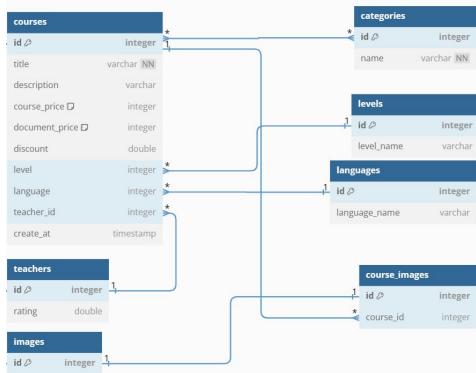
1.1 Users - Teachers - Students



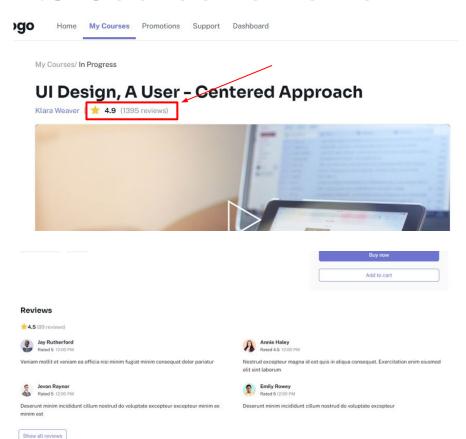


1.2 Courses



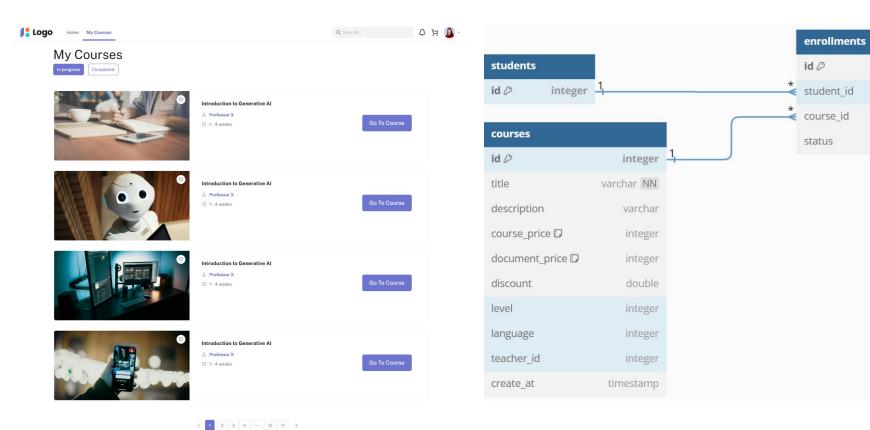


1.3 Course reviews





1.4 Student's enrollment



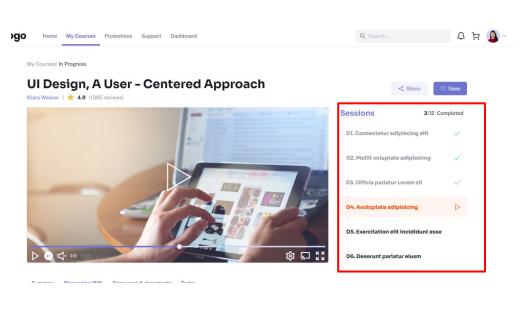
integer

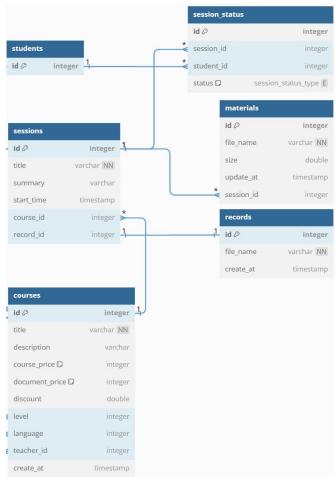
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integer

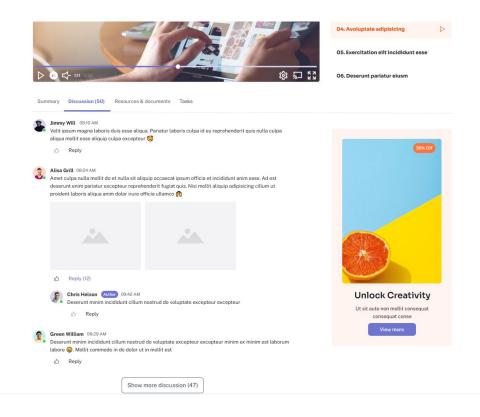
bool

1.5 Sessions





1.6 Session discussion





2. Sample data

VALUES (3), (4), (5), (6);

```
INSERT INTO [users] ([name], [email], [password], [phone], [location], [overview],
           [profile link], [title], [avatar id], [onl status])
VALUES
  ('Sarah Jones', 'sarah.jones@designstudio.com', 'notmyrealpassword', '+14155550123', 1, 'Aspiring graphi
  ('Omar Hassan', 'omar.hassan@codesmith.com', 'anothersecurepass2', '+97143219876', 2, 'Software engineer
  ('Maria Garcia', 'maria.garcia@travelphotography.es', 'strong password3', '+34917654321', 3, 'Travel ent
  ('Chen Lin', 'chen.lin@datascience.cn', 'very secure4', '+862156789012', 2, 'Data science student eager
  ('John Smith', 'john.smith@example.com', 'securepassword123', '+1234567890', 1, 'Experienced software de
  ('Emma Johnson', 'emma.johnson@example.com', 'strongpassword456', '+9876543210', 2, 'Frontend developer
INSERT INTO [teachers] ([id], [rating])
VALUES (1, 4.5),
          (2, 3.8);
INSERT INTO [students] ([id])
```

```
-- Insert data into the [courses] table
INSERT INTO [courses] ([title], [description], [course price], [document price], [discount],
            [level], [language], [teacher id])
VALUES
       ('Web Development 101', 'Introduction to web development', 50, 10, 0.2, 1, 1, 1),
       ('Data Science Fundamentals', 'Introduction to data science', 75, 15, 0.1, 2, 1, 2);
-- Insert data into the [enrollments] table
INSERT INTO [enrollments] ([student id], [course id], [status])
VALUES
       (3, 1, 1),
       (4, 2, 1),
       (5, 1, 1),
       (6, 1, 1);
-- Insert data into the [course review] table
INSERT INTO [course_review] ([student_id], [course_id], [content], [rating])
               (3, 1, 'Great course highly recommended!', 5),
VALUES
               (6, 1, 'Eyes opening course!', 4),
               (4, 2, 'The content was informative but could be more engaging.', 3);
```

```
INSERT INTO [sessions] ([title], [summary], [start_time], [course id], [record id])
VALUES
       ('Introduction to HTML', 'Learn the basics of HTML and how to create web pages', '2022-01-10 09:00:00', 1, 1),
       ('CSS Styling Techniques', 'Explore different CSS styling techniques to enhance your web pages', '2022-01-12 09:00:00', 1, 2),
       ('JavaScript Fundamentals', 'JavaScript Fundamentals', '2022-01-14 09:00:00', 1, 3),
       ('Introduction to Python', 'Get started with Python programming language', '2022-01-11 09:00:00', 2, 4),
       ('Data Analysis with Pandas', 'Learn how to analyze data using Pandas library in Python', '2022-01-13 09:00:00', 2, 5),
       ('Machine Learning Algorithms', 'Machine Learning Algorithms', '2022-01-15 09:00:00', 2, 6);
INSERT INTO [session status] ([session id], [student id], [status])
VALUES
       (1, 3, 'Completed'),
       (2, 3, 'Inprogress'),
       (3, 3, 'NotStart'),
       (4, 4, 'Completed'),
       (5, 4, 'Completed'),
```

INSERT INTO [session discuss] ([user id], [session id], [content], [likes], [reply discuss id])

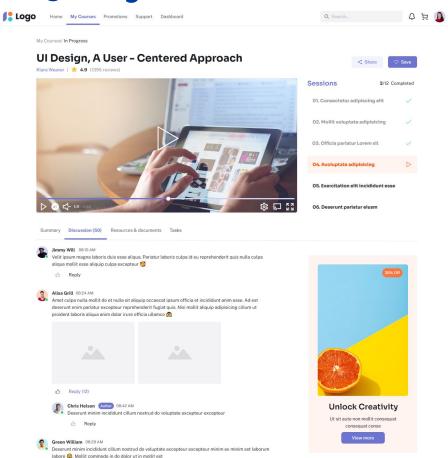
(1, 1, 'You need to study the basics and practice regularly.', 5, 1);

VALUES (3, 1, 'How can I learn Web Development effectively?', 10, NULL),

(6, 4, 'NotStart');

-- Insert data into the [session discuss] table

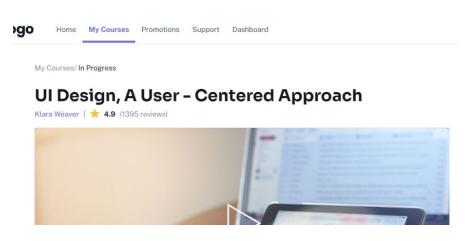
3. Query Course Detail Screen.



Show more discussion (47)

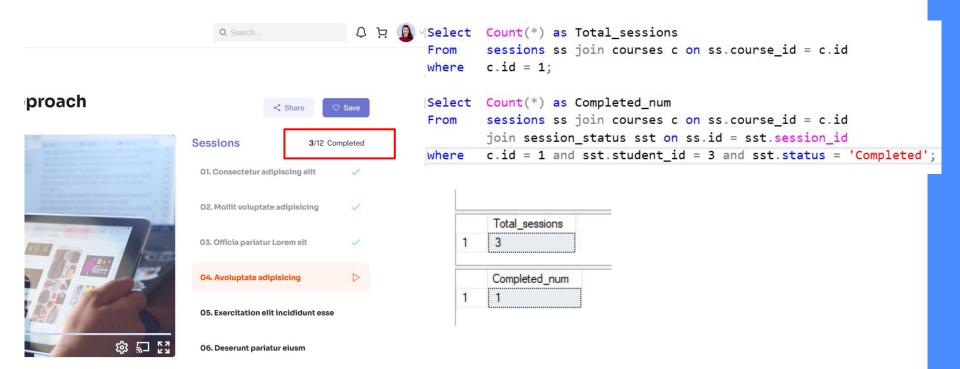
Scenario: Student (student_id = 3) click to view detail of course (course_id = 1).

3.1 Query Course_name, teacher_name, course_review.

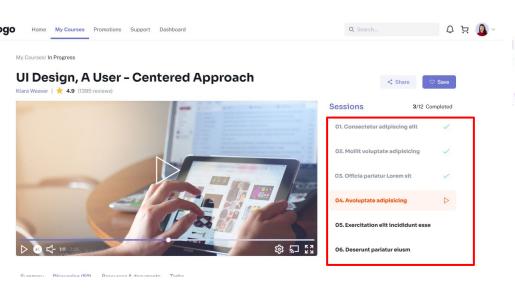


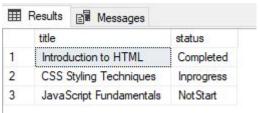
	Results	Messages			
	title		teacher_name	Avg_rating	Num_reviews
1	Web	Development 101	Sarah Jones	4.5	2

3.2 Total sessions, total completed sessions.



3.3 Sessions and session's status.





3.4 Total of discussion, discussion list.

Show more discussion (47)

Scenario: Student (student_id = 3) click to view detail of session (session_id = 1) of course (course_id = 1).

