
E-LEARNING

TAINGUYEN-MEUMOC

MENTORSHIP_PROGRAM

AGENDA

I. OUTLINE

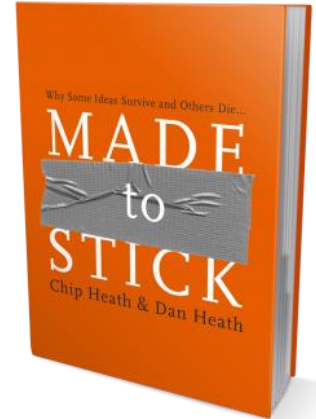
II. ANALYSIS

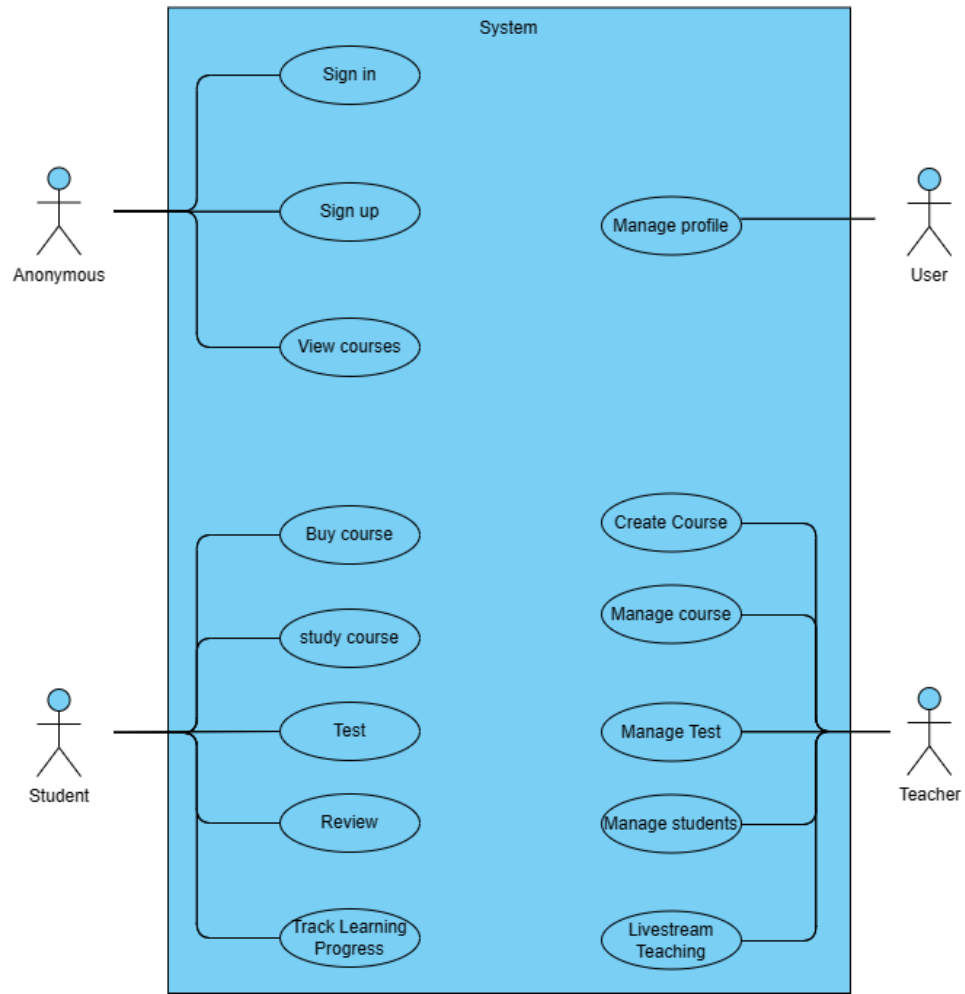
I. OUTLINE

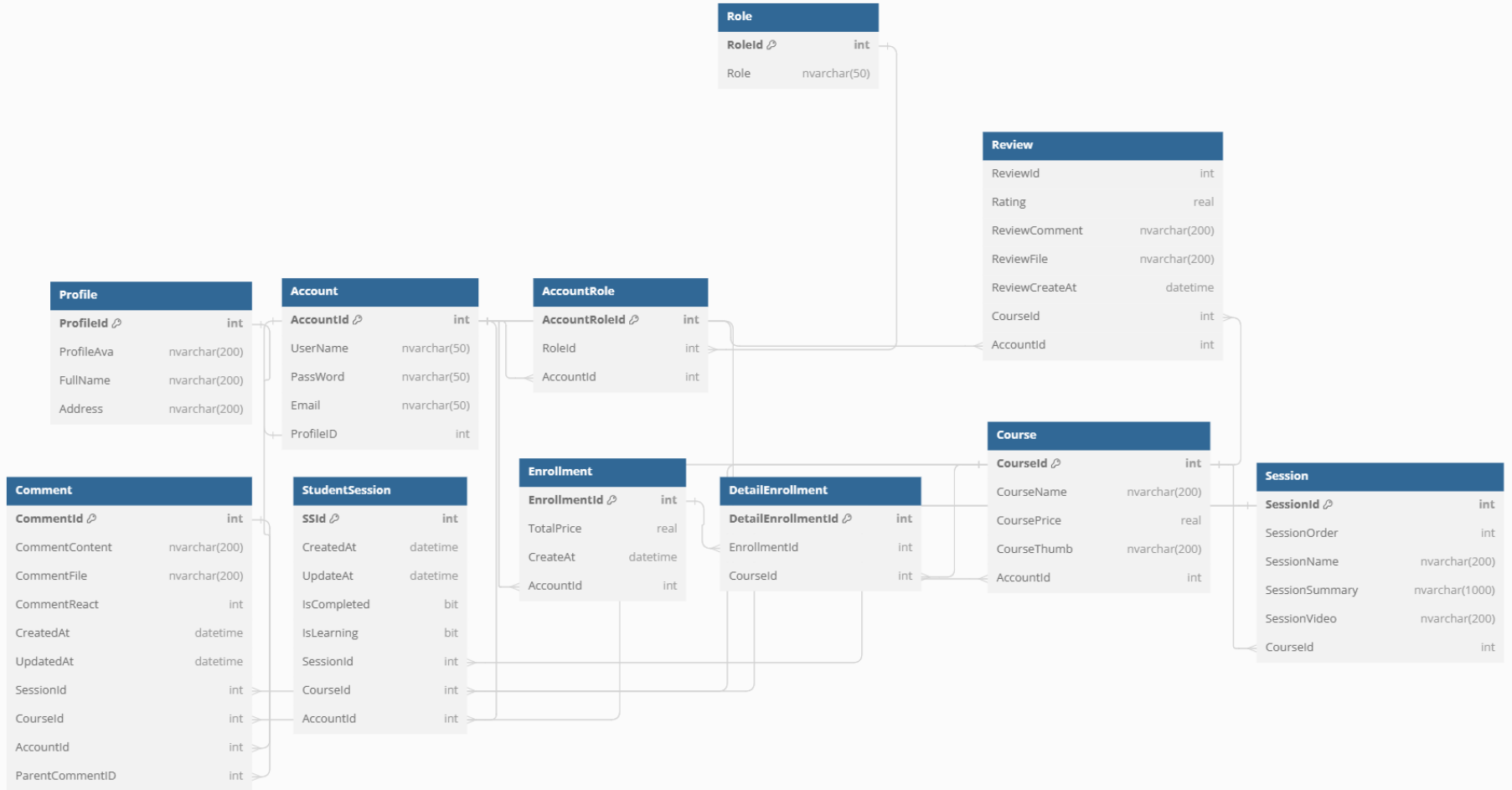
1. USE CASE

2. DATABASE

3. UI/UX



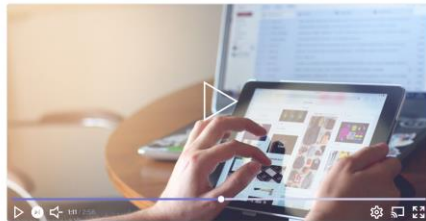




My Courses / In Progress

UI Design, A User - Centered Approach

Klara Weaver | ⭐ 4.9 (1395 reviews)



SummaryDiscussion (50)Resources & documentsTranscript

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Sessions

3/12 Completed

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- 02. Mollit voluptate adipiscing ✓
- 03. Officia pariatur Lorem sit ✓
- 04. Avoluptate adipiscing ▶
- 05. Exercitation elit incididunt esse
- 06. Deserunt pariatur elum

+

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🔒

Leave a public comment

👤

Anna

12:53 PM

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👍

Reply

John

08:10 AM

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Like

Reply (12)

Klara Weaver

08:20 AM

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👍

Reply

Lisa

09:50 AM

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👍

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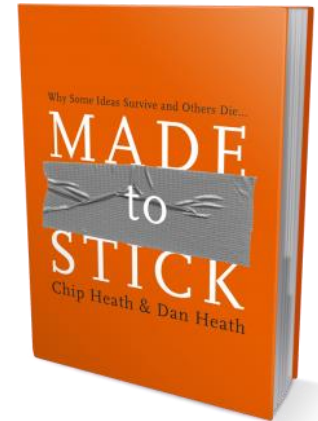
English ▾

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II. ANALYSIS

1. TEST DATA
2. SELECT DATA





1.TEST DATA

```
INSERT INTO [Profile] ([ProfileId], [ProfileAva], [FullName],  
[Address])
```

```
VALUES
```

```
(1, 'profile1.jpg', 'John Doe', '123 Main Street'),  
(2, 'profile2.jpg', 'Tai', '3333 Main Street'),  
(3, 'profile3.jpg', 'Jane Smith', '456 Elm Street');
```

```
-- Inserting sample data into the [Role] table
```

```
INSERT INTO [Role] ([RoleId], [Role])
```

```
VALUES
```

```
(1, 'Student'),  
(2, 'Teacher'),  
(3, 'Admin');
```

```
INSERT INTO [Account] ([AccountId], [UserName], [PassWord],  
[Email], [ProfileID])
```

```
VALUES
```

```
(1, 'john_doe', 'password123', 'john@example.com', 1),  
(2, 'tai123', 'password123', 'tai@example.com', 2),  
(3, 'jane_smith', 'password456', 'jane@example.com', 3);
```

```
-- Inserting sample data into the [AccountRole] table
```

```
INSERT INTO [AccountRole] ([AccountRoleId], [RoleId],  
[AccountId])
```

```
VALUES
```

```
(1, 1, 1),  
(2, 3, 1),  
(3, 2, 2),  
(4, 2, 3);
```

```
INSERT INTO [Course] ([CourseId], [CourseName], [CoursePrice],  
[CourseThumb], [AccountId])  
VALUES  
(1, 'Introduction to Programming', 49.99, 'course1_thumb.jpg',  
3),  
(2, 'Web Development Basics', 29.99, 'course2_thumb.jpg', 3),  
(3, 'UI', 59.99, 'course3_thumb.jpg', 3);
```

-- Inserting sample data into the [Enrollment] table

```
INSERT INTO [Enrollment] ([EnrollmentId], [TotalPrice],  
[CreateAt], [AccountId])  
VALUES  
(1, 49.99, GETDATE(), 1),  
(2, 29.99, GETDATE(), 2);
```

```
INSERT INTO [DetailEnrollment] ([DetailEnrollmentId],  
[EnrollmentId], [CourseId])
```

```
VALUES
```

```
(1, 1, 1),  
(2, 1, 2),  
(3, 2, 1),  
(4, 2, 3);
```

```
-- Inserting sample data into the [Session] table
```

```
INSERT INTO [Session] ([SessionId], [SessionOrder],  
[SessionName], [SessionSummary], [SessionVideo], [CourseId])
```

```
VALUES
```

```
(1, 1, 'Introduction to Programming Concepts', 'Basic concepts of  
programming', 'video1.mp4', 1),  
(2, 2, 'Variables and Data Types', 'Introduction to variables and  
data types', 'video2.mp4', 1),  
(3, 1, 'UI', 'Introduction to UI', 'video2.mp4', 3),  
(4, 1, 'HTML CSS', 'Introduction to HTML CSS', 'video3.mp4', 2);
```

```
INSERT INTO [StudentSession] ([SSId], [CreatedAt], [UpdateAt],  
[IsCompleted], [IsLearning], [SessionId], [CourseId],  
[AccountId])
```

```
VALUES
```

```
(1, GETDATE(), GETDATE(), 1, 0, 1, 1, 1),  
(2, GETDATE(), GETDATE(), 0, 1, 2, 1, 1),  
(3, GETDATE(), GETDATE(), 1, 0, 1, 1, 2),  
(4, GETDATE(), GETDATE(), 0, 1, 3, 3, 2);
```

```
-- Inserting sample data into the [Review] table
```

```
INSERT INTO [Review] ([ReviewId], [Rating], [ReviewComment],  
[ReviewFile], [ReviewCreateAt], [CourseId], [AccountId])
```

```
VALUES
```

```
(1, 4.5, 'Great course, learned a lot!', NULL, GETDATE(), 1, 1),  
(2, 3.5, 'Not bad!', NULL, GETDATE(), 2, 1),  
(3, 5.0, 'Excellent content, highly recommended!', NULL,  
GETDATE(), 1, 2);
```

```
INSERT INTO [Comment] ([CommentId], [CommentContent],  
[CommentFile], [CommentReact], [CreatedAt], [UpdatedAt],  
[SessionId], [CourseId], [AccountId], [ParentCommentID])  
VALUES  
(1, 'How can...?', NULL, 10, GETDATE(), GETDATE(), 1, 1, 1,  
NULL),  
(2, 'How can...?', NULL, 10, GETDATE(), GETDATE(), 4, 2, 1,  
NULL),  
(3, 'Answer is abc.', NULL, 5, GETDATE(), GETDATE(), 1, 1, 2, 1);
```



2. SELECT DATA

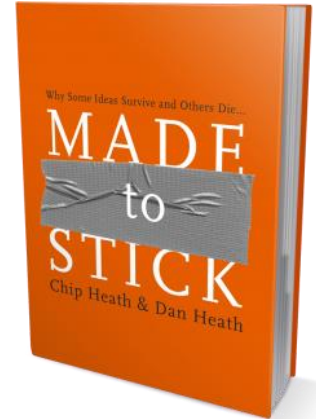
II. ANALYSIS

1. NAME COURSE, TEACHER,
AVG RATING

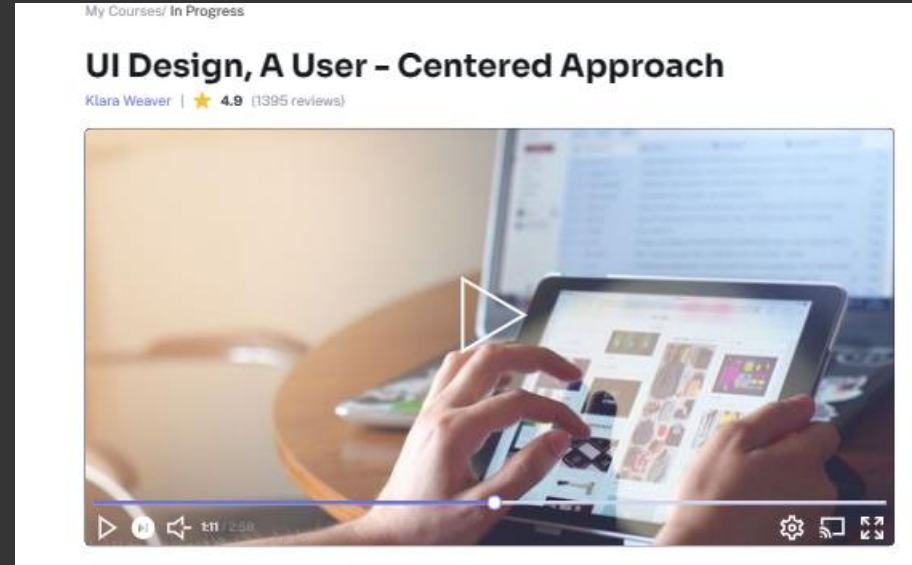
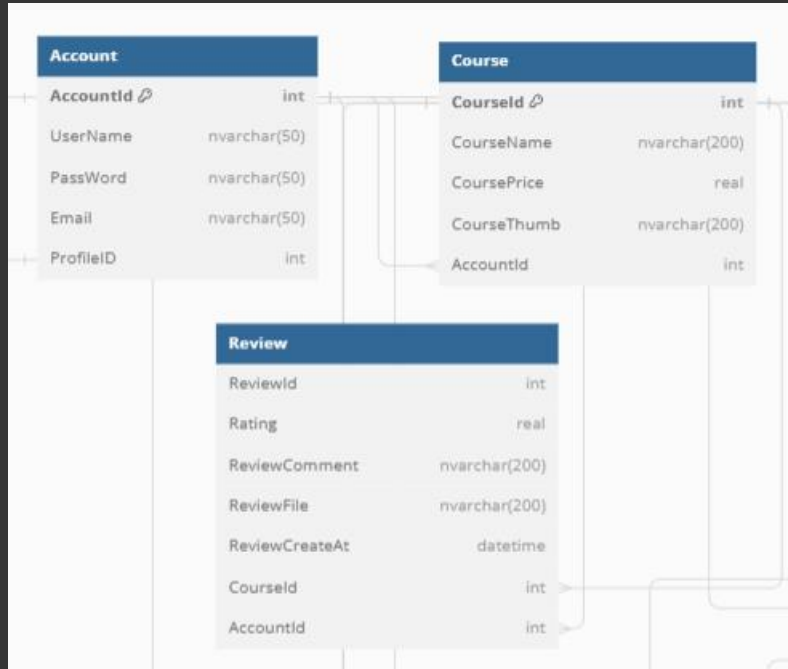
2. SESSION

3. TRACKING PROGRESS

4. REVIEW



1. NAME COURSE, TEACHER, AVG RATING



-- Select Name of Teacher, their name of course and rating of their course in Course's student with their choice

IdCourse =1

Select

a.UserName,c.CourseName,AVG(r.Rating) as
'RatingAllCourse'

From Account a

Join Course c on c.AccountId=a.AccountId

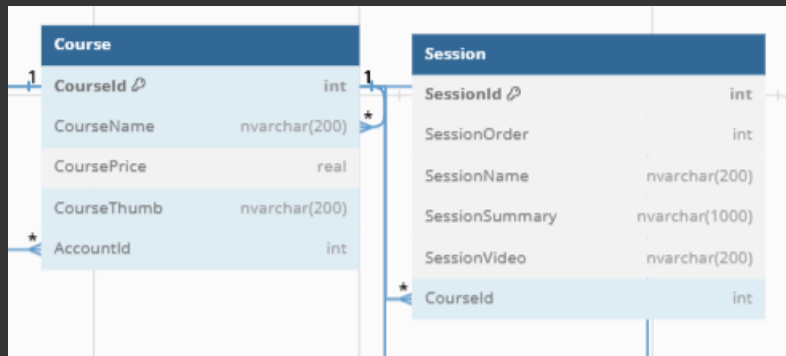
Join Review r on r.CourseId = c.CourseId

Where c.CourseId=1

Group by a.UserName,c.CourseName

	UserName	CourseName	RatingAllCourse
1	jane_smith	Introduction to Programming	4.75

2. SESSION



Sessions

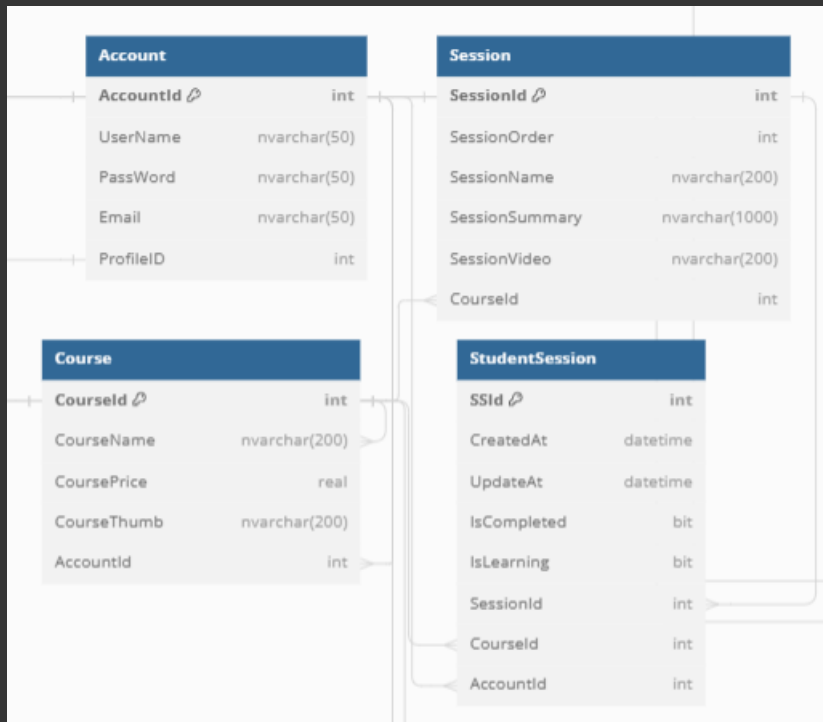
3/12 Completed

- 01. Consectetur adipiscing elit ✓
- 02. Mollit voluptate adipiscing ✓
- 03. Officia pariatur Lorem sit ✓
- 04. Avoluptate adipiscing ▶
- 05. Exercitation elit incididunt esse
- 06. Deserunt pariatur eiusmod

```
-- Select SessionOrder Name Session with  
CourseId=1  
Select s.SessionOrder,s.SessionName  
From Course c  
Join Session s on s.CourseId=c.CourseId  
Where c.CourseId=1  
Group by s.SessionOrder,s.SessionName
```

1	1	Introduction to Programming Concepts
2	2	Variables and Data Types

3. TRACKING PROGRESS



Sessions

3/12 Completed

- 01. Consectetur adipiscing elit ✓
- 02. Mollit voluptate adipiscing ✓
- 03. Officia pariatur Lorem sit ✓
- 04. Avoluptate adipiscing ▶
- 05. Exercitation elit incididunt esse
- 06. Deserunt pariatur eiusmod

3.1 TOTAL SESSION

```
-- Select Total Session of course with  
CourseId=1  
Select count(s.SessionId)as 'TotalSession'  
From Account a  
Join Course c on c.AccountId=a.AccountId  
Join Session s on s.CourseId = c.CourseId  
where c.CourseId=1
```

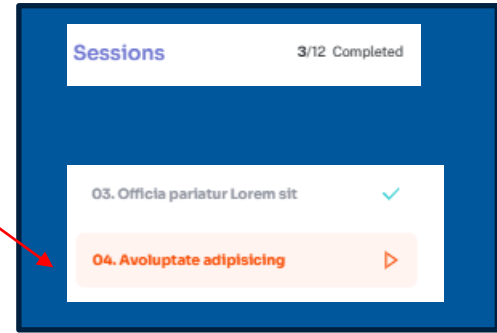
Sessions

3/12 Completed

	TotalSession
1	2

3.2 TRACK PROGRESS

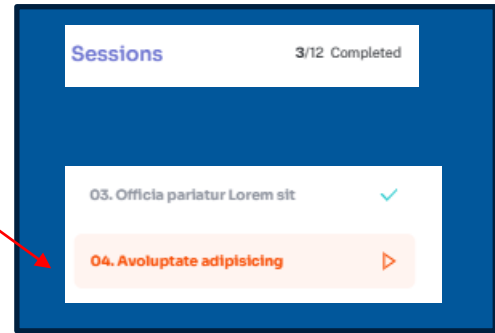
```
-- Select Progress of student with  
AccountId=1 and ss.Islearning=1  
Select s.SessionName  
From Session s  
Join StudentSession ss on  
s.SessionId=ss.SessionId  
Where ss.IsLearning=1 and ss.AccountId=1
```



	SessionName
1	Variables and Data Types

3.2 TRACK PROGRESS

```
-- Select Progress of student with  
AccountId=2 and ss.Islearning=1  
Select s.SessionName  
From Session s  
Join StudentSession ss on  
s.SessionId=ss.SessionId  
Where ss.IsLearning=1 and ss.AccountId=2
```



	SessionName
1	UI

4. REVIEW



John 08:10 AM

Id ullamco qui tempor consectetur fugiat magna officia eiusmod ad fugiat laboris et culpa nostrud non veniam. Excepteur ut labore cillum laborum est id magna dolore. Ipsum sunt culpa esse excepteur voluptate a



[Like](#) [Reply \(12\)](#)



Klara Weaver Author 08:20 AM

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3. REVIEW

```
-- Select Review of Course with  
c.SessionId=1
```

```
Select
```

```
p.ProfileAva,a.UserName,c.CommentContent
```

```
From Comment c
```

```
join Account a on a.AccountId=c.AccountId
```

```
join Profile p on a.ProfileID=p.ProfileId
```

```
Where c.SessionId=1
```

```
Group by
```

```
p.ProfileAva,a.UserName,c.CommentContent
```

	ProfileAva	UserName	CommentContent
1	profile1.jpg	john_doe	How can...?
2	profile1.jpg	john_doe	Thanks
3	profile2.jpg	tai123	Answer is abc.



THANKS FOR READING