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# E-LEARNING

TAINGUYEN-MEUMOC

MENTORSHIP\_PROGRAM

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# AGENDA

I. OUTLINE

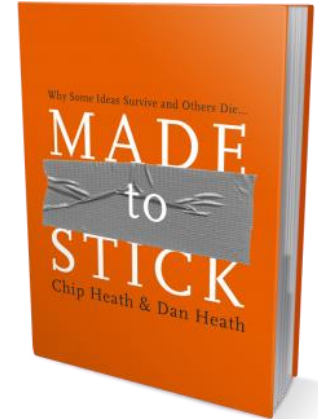
II. ANALYSIS

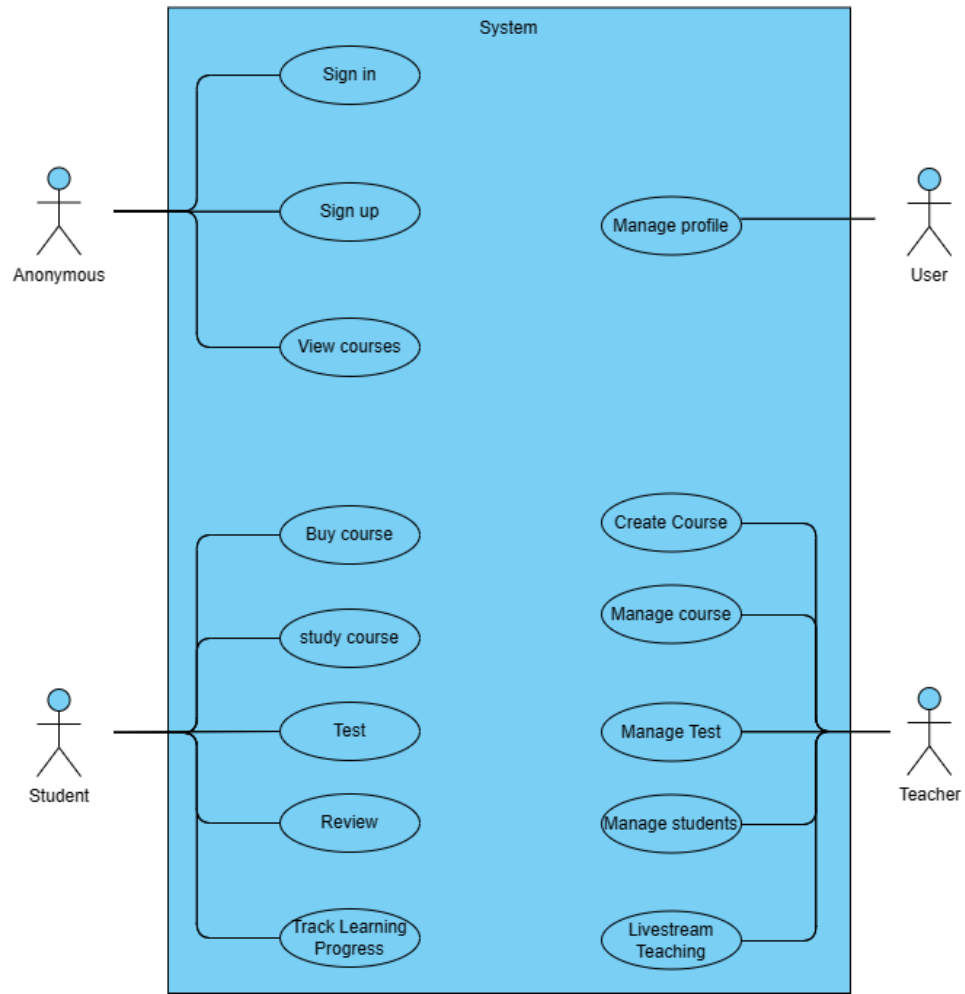
# I. OUTLINE

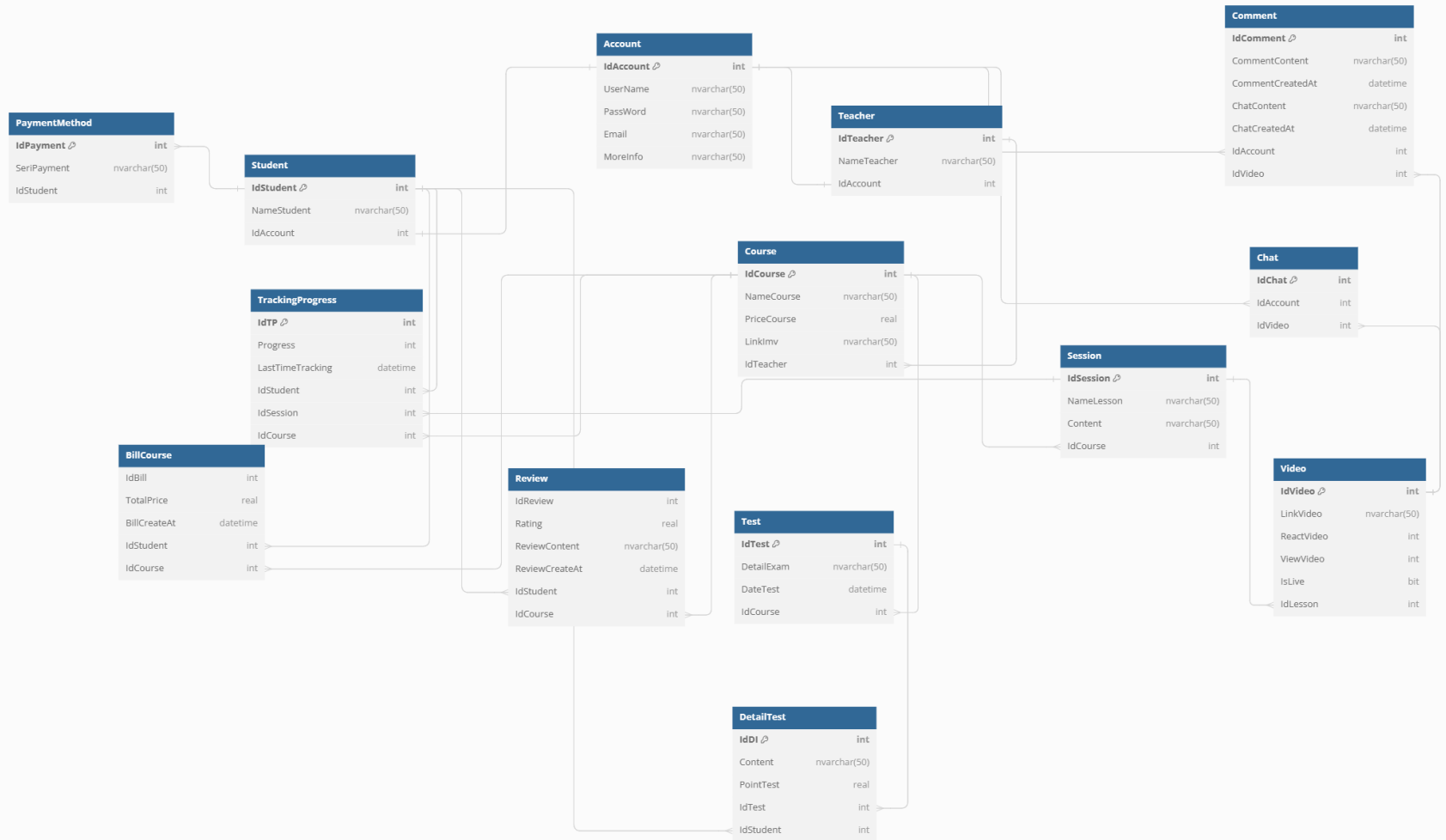
1. USE CASE

2. DATABASE

3. UI/UX



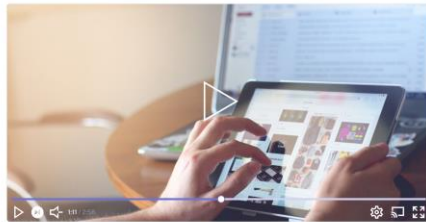




My Courses / In Progress

## UI Design, A User - Centered Approach

Klara Weaver | ⭐ 4.9 (1395 reviews)



SummaryDiscussion (50)Resources & documentsTranscript

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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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👍

Reply

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Sessions3/12 Completed

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02. Mollit voluptate adipisicing

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03. Officia pariatur Lorem sit

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04. Avoluptate adipisicing

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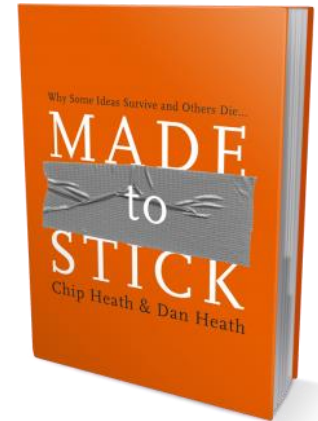
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## II. ANALYSIS

1. TEST DATA
2. SELECT DATA





# 1.TEST DATA



```
Insert into Account Values(1, 'Duy', 'abc', 'duygmail', 'aaaaa')
Insert into Account Values(2, 'Tai', 'ccc', 'taigmail', 'bbbb')
Insert into Account Values(3, 'Ngoc', 'nnnn', 'ngocgmail', 'nnnn')
```

```
Insert into Teacher Values(1, 'Duy', 1)
```

```
Insert into Student Values(1, 'Tai', 2)
Insert into Student Values(2, 'Ngoc', 3)
```

```
Insert into Course Values(1, 'UI', 100000, 'aaaaaa', 1)
Insert into Course Values(2, 'Design', 99999, 'bbbbbb', 1)
```

```
Insert into Session Values(1, 'Lesson1', 'ThisIsLesson1', 1)
Insert into Session Values(2, 'Lesson2', 'ThisIsLesson2', 1)
Insert into Session Values(3, 'Lesson3', 'ThisIsLesson3', 1)
Insert into Session Values(4, 'Lesson4', 'ThisIsLesson4', 1)
Insert into Session Values(5, 'Des1', 'ThisIsDes1', 2)
```

```
Insert into Review Values(1,4.5,'Good','2024-04-17 09:30:00',1,1)
```

```
Insert into Review Values(2,3.5,'Not Bad','2024-04-17  
09:30:00',2,1)
```

```
Insert into Review Values(3,1.0,'Bad','2024-04-17 09:30:00',1,2)
```

```
Insert into TrackingProgress Values(1,1,'2024-04-17  
09:30:00',1,1,1)
```

```
Insert into TrackingProgress Values(2,3,'2024-04-17  
09:30:00',2,3,1)
```



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## 2. SELECT DATA

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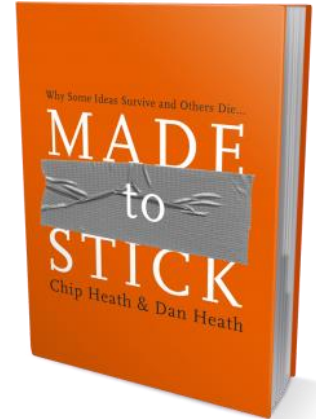
## II. ANALYSIS

1. NAME COURSE, TEACHER,  
AVG RATING

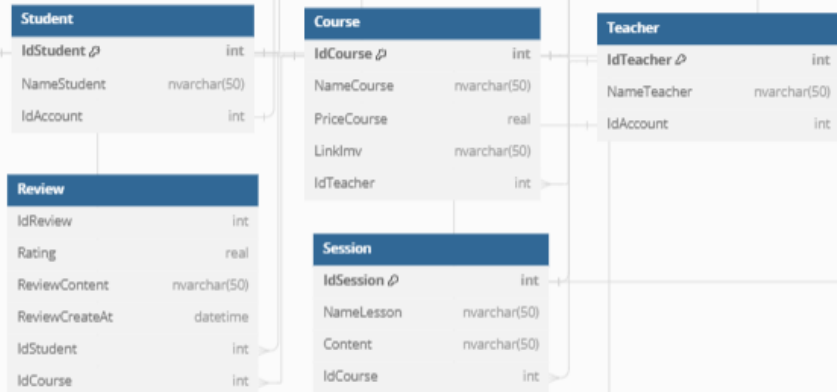
2. SESSION

3. TRACKING PROGRESS

4. REVIEW



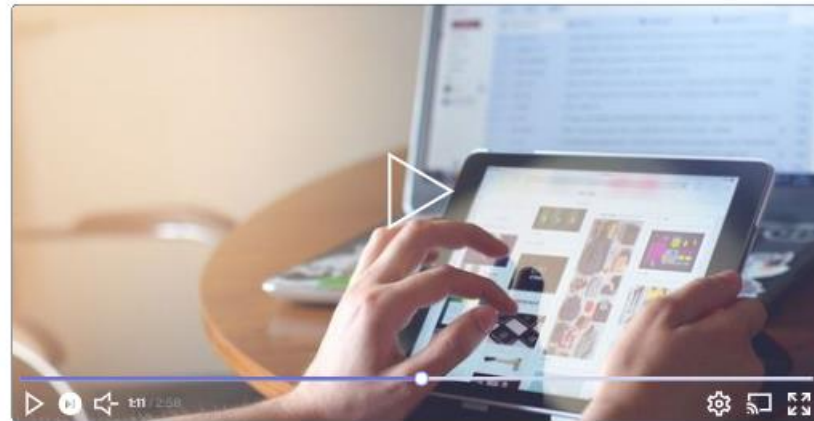
# 1. NAME COURSE, TEACHER, AVG RATING



My Courses/ In Progress

## UI Design, A User - Centered Approach

Klara Weaver | ★ 4.9 (1395 reviews)



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

```
IdCourse =1
```

```
Select
```

```
t.NameTeacher, c.NameCourse, AVG(r.Rating)
```

```
as 'RatingAllCourse'
```

```
From Teacher t
```

```
Join Course c on c.IdTeacher=t.IdTeacher
```

```
Join Review r on r.IdCourse = c.IdCourse
```

```
Join Student st on st.IdStudent =
```

```
r.IdStudent
```

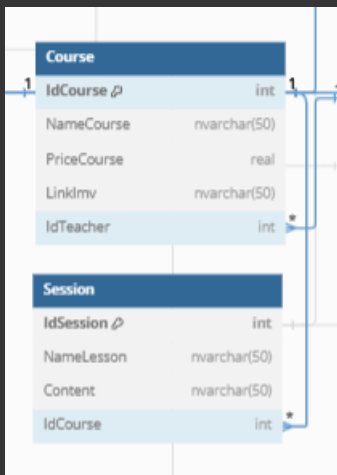
```
Join Session s on s.IdCourse = c.IdCourse
```

```
Where c.IdCourse=1
```

```
Group by t.NameTeacher, c.NameCourse
```

	NameTeacher	NameCourse	RatingAllCourse
1	Duy	UI	4

## 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 Name Lesson with idCourse=1
Select s.NameLesson
From Course c
Join Session s on s.IdCourse = c.IdCourse
Where c.IdCourse=1
Group by s.NameLesson
```

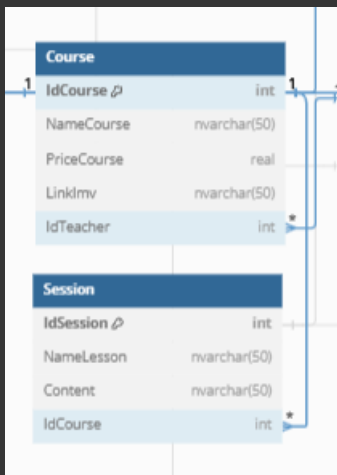
---

	NameLesson
1	Lesson1
2	Lesson2
3	Lesson3
4	Lesson4

---



### 3. TRACKING PROGRESS



#### Sessions

3/12 Completed

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

### 3.1 TOTAL SESSION

```
-- Select Total Session of course with  
IdCourse=1  
Select count(s.NameLesson)as  
'TotalSession'  
From Teacher t  
Join Course c on c.IdTeacher=t.IdTeacher  
Join Session s on s.IdCourse = c.IdCourse  
where c.IdCourse=1
```

Sessions

3/12 Completed

	TotalSession
1	4

### 3.2 TRACK PROGRESS

-- Select Progress of student with  
idStudent = 1 and idCourse =1

Select st.NameStudent, tp.Progress  
From Course c

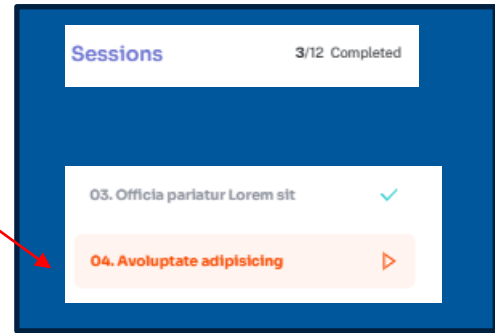
Join Session s on s.IdCourse = c.IdCourse  
Join TrackingProgress tp on

tp.IdCourse=c.IdCourse

Join Student st on st.IdStudent =  
tp.IdStudent

Where st.IdStudent=1 and c.IdCourse=1

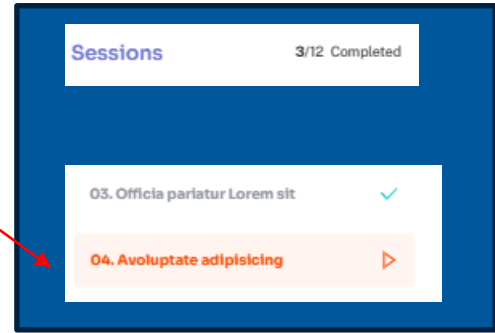
Group by st.NameStudent, tp.Progress



	NameStudent	Progress
1	Tai	1

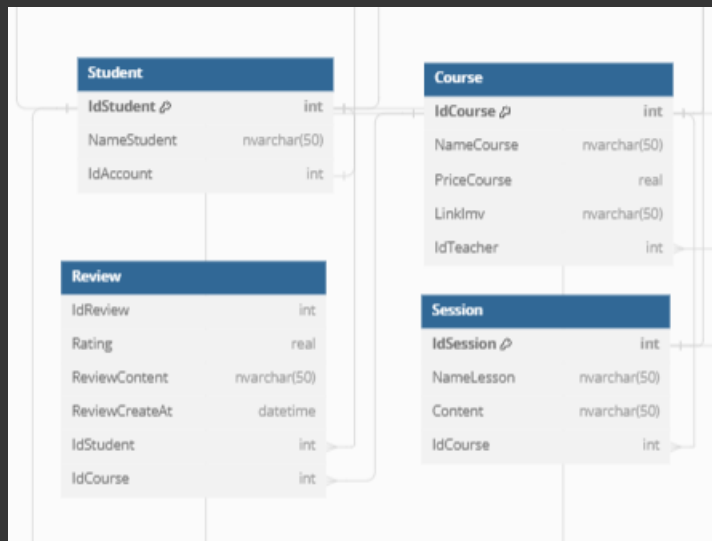
### 3.2 TRACK PROGRESS

```
-- Select Progress of student with  
idStudent = 2 and idCourse =1  
Select st.NameStudent,tp.Progress  
From Course c  
Join Session s on s.IdCourse = c.IdCourse  
Join TrackingProgress tp on  
tp.IdCourse=c.IdCourse  
Join Student st on st.IdStudent =  
tp.IdStudent  
Where st.IdStudent=2 and c.IdCourse=1  
Group by st.NameStudent,tp.Progress
```



	NameStudent	Progress
1	Ngoc	3

## 4. REVIEW



**Anna** 12:03 PM

★★★★★

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Reply

**John** 08:10 AM

★★★★★

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Like

Reply (12)

**Klara Weaver** Author 08:20 AM

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**Lisa** 10:50 AM

★★★★★

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Reply

### 3. REVIEW

-- Select Review of Course with id=1

Select

st.NameStudent,r.ReviewCreateAt,r.ReviewContent,r.Rating

From Course c

Join Session s on s.IdCourse = c.IdCourse

Join Review r on r.IdCourse = c.IdCourse

Join Student st on st.IdStudent =  
r.IdStudent

Where c.IdCourse=1

Group by

st.NameStudent,r.ReviewCreateAt,r.ReviewContent,r.Rating

	NameStudent	ReviewCreateAt	ReviewContent	Rating
1	Ngoc	2024-04-17 09:30:00.000	Not Bad	3.5
2	Tai	2024-04-17 09:30:00.000	Good	4.5



**THANKS FOR READING**