E-LEARNING

TAINGUYEN-MEUMOC

MENTORSHIP_PROGRAM

AGENDA

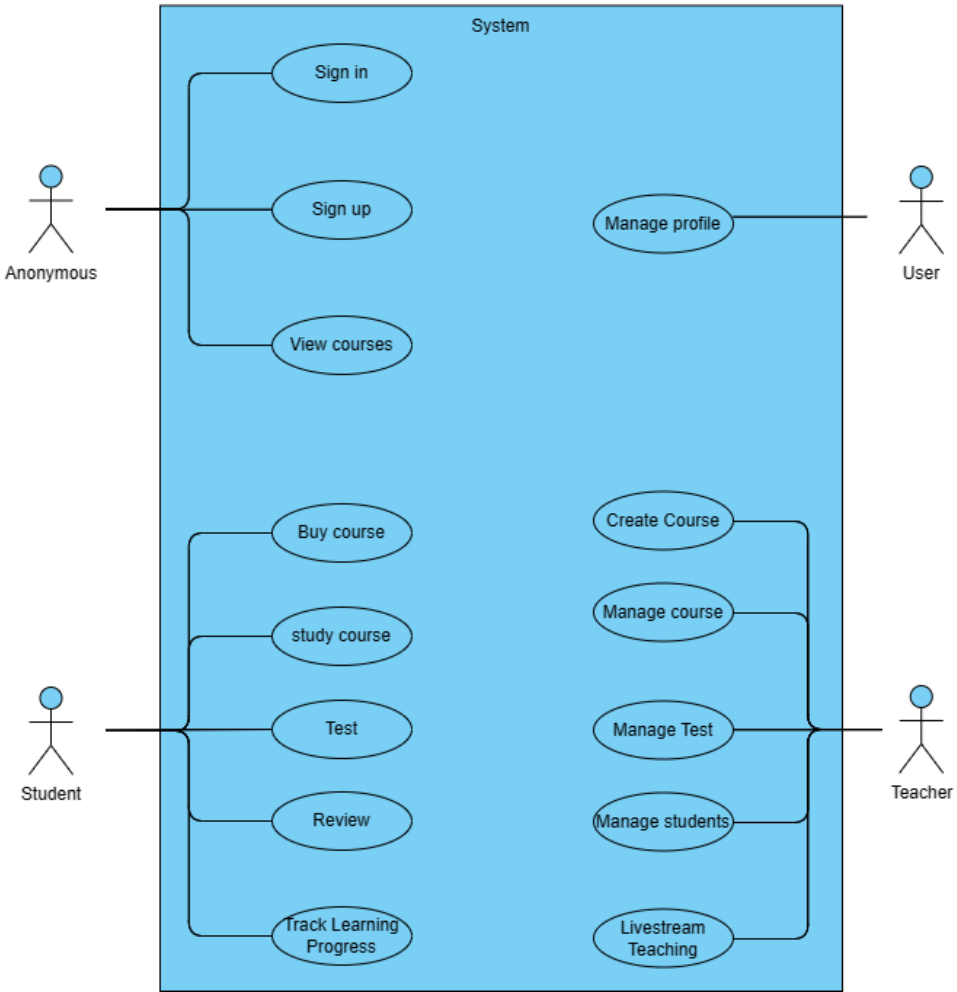
I. OUTLINE

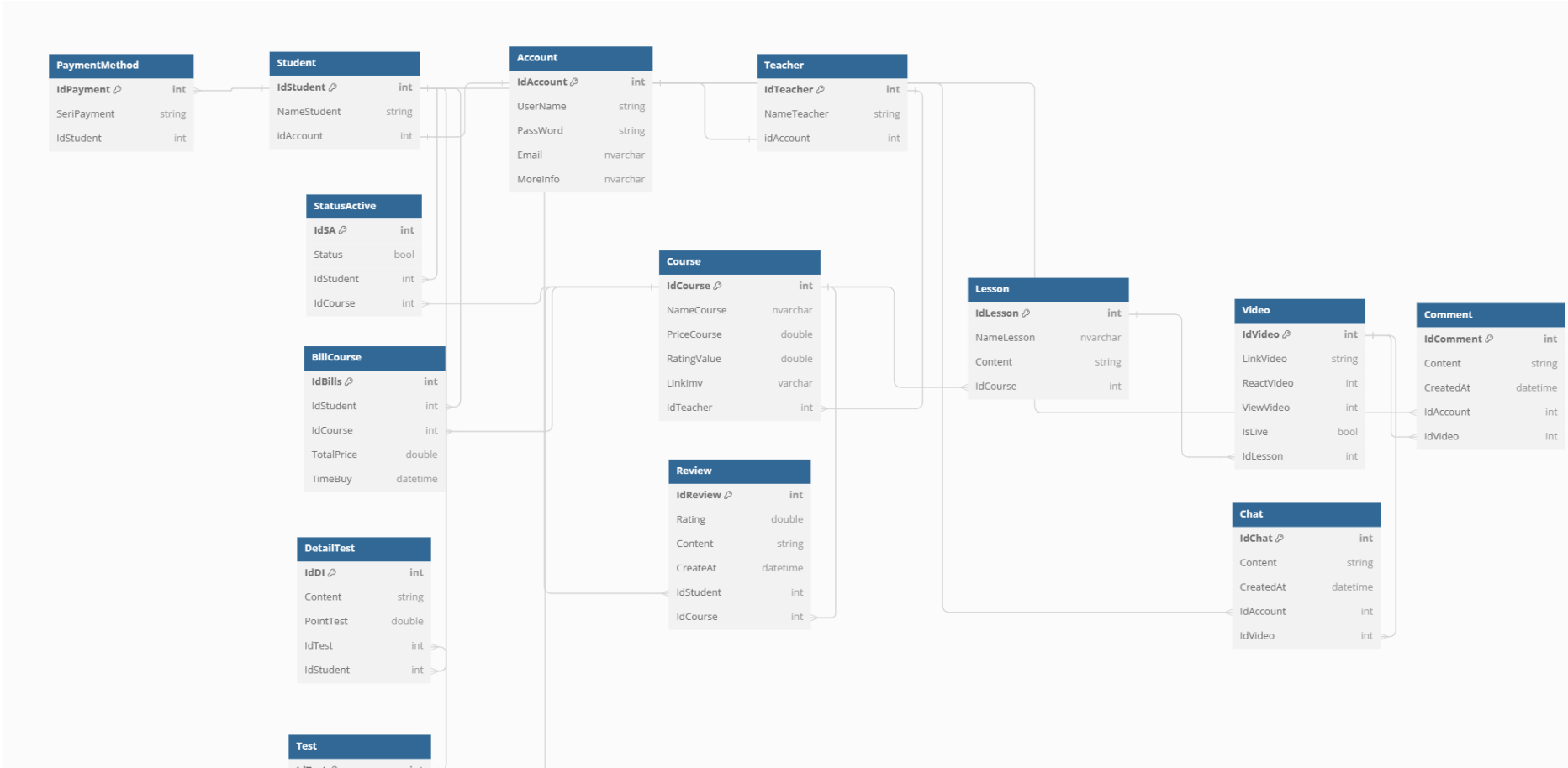
II. ANALYSIS

I. OUTLINE

1. USE CASE

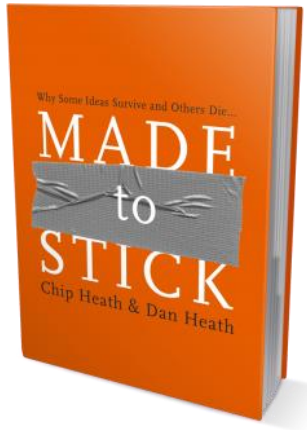
2. DATABASE


System
Sign in
Sign up
View courses
Anonymous
Manage profile
User
Buy course
study course
Test
Review
Track Learning Progress
Student
Create Course
Manage course
Manage Test
Manage students
Livestream Teaching
Teacher

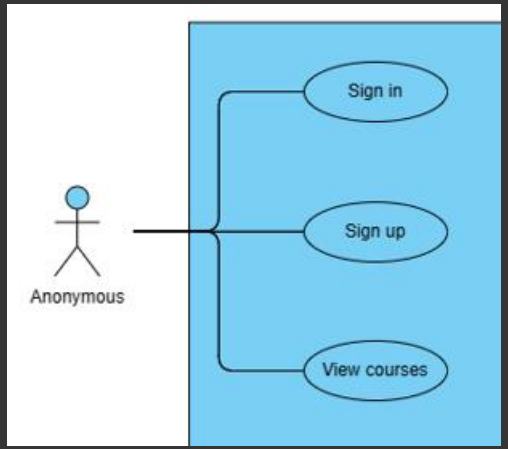

PaymentMethod
IdPayment int
SeriPayment string
IdStudent int
Student
IdStudent int
NameStudent string
IdAccount int
Account
IdAccount int
UserName string
PassWord string
Email nvarchar
MoreInfo nvarchar
Teacher
IdTeacher int
NameTeacher string
idAccount int
StatusActive
IdSA int
Status bool
IdStudent int
IdCourse int
Course
IdCourse int
NameCourse nvarchar
PriceCourse double
RatingValue double
LinkImv varchar
IdTeacher int
Lesson
IdLesson int
NameLesson nvarchar
Content string
IdCourse int
Video
IdVideo int
LinkVideo string
ReactVideo int
ViewVideo int
IsLive bool
IdLesson int
Comment
IdComment int
Content string
CreatedAt datetime
IdAccount int
IdVideo int
BillCourse
IdBills int
IdStudent int
IdCourse int
TotalPrice double
TimeBuy datetime
Review
IdReview int
Rating double
Content string
CreateAt datetime
IdStudent int
IdCourse int
Chat
IdChat int
Content string
CreatedAt datetime
IdAccount int
IdVideo int
DetailTest
IdDI int
Content string
PointTest double
IdTest int
IdStudent int
Test

II. ANALYSIS

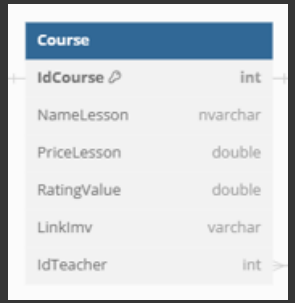
1. ANONYMOUS
2. USER
3. TEACHER
4. STUDENT



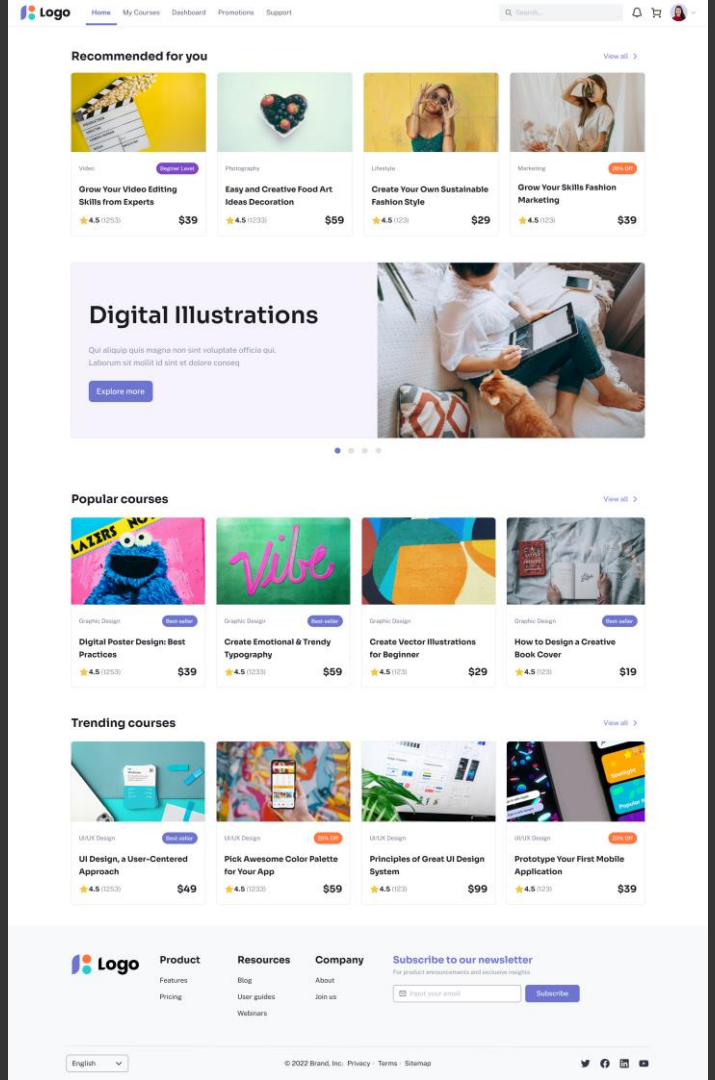
1. ANONYMOUS


Sign in
Sign up
View courses
Anonymous

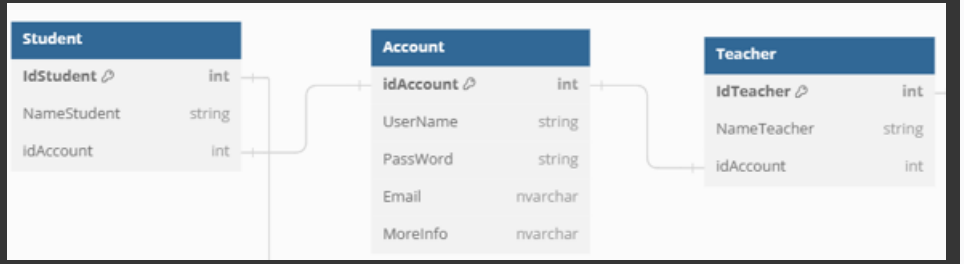
1. VIEW COURSE

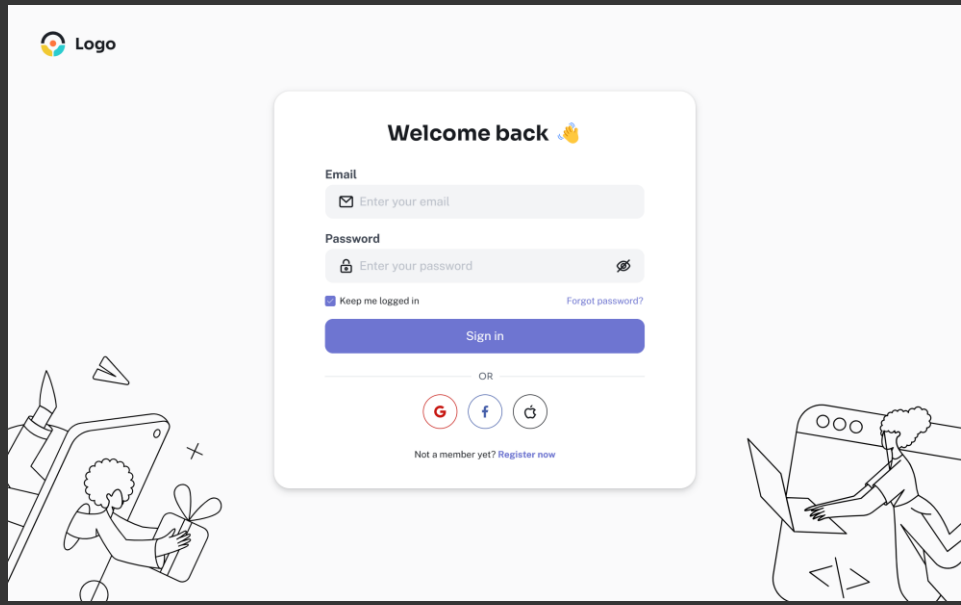



```
SELECT c.NameLesson ,
c.PriceLesson,
c.RatingValue
FROM Course c
WHERE RatingValue
>4.4
```

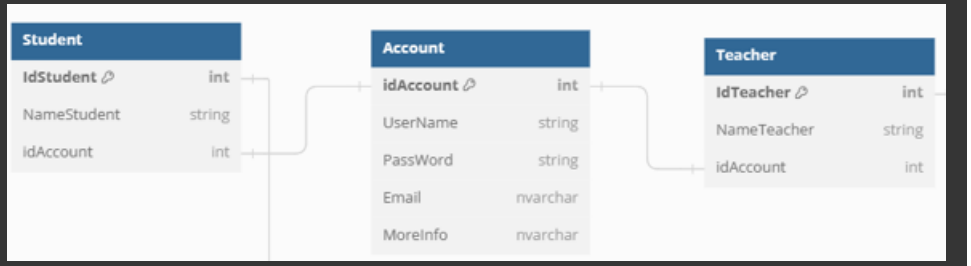


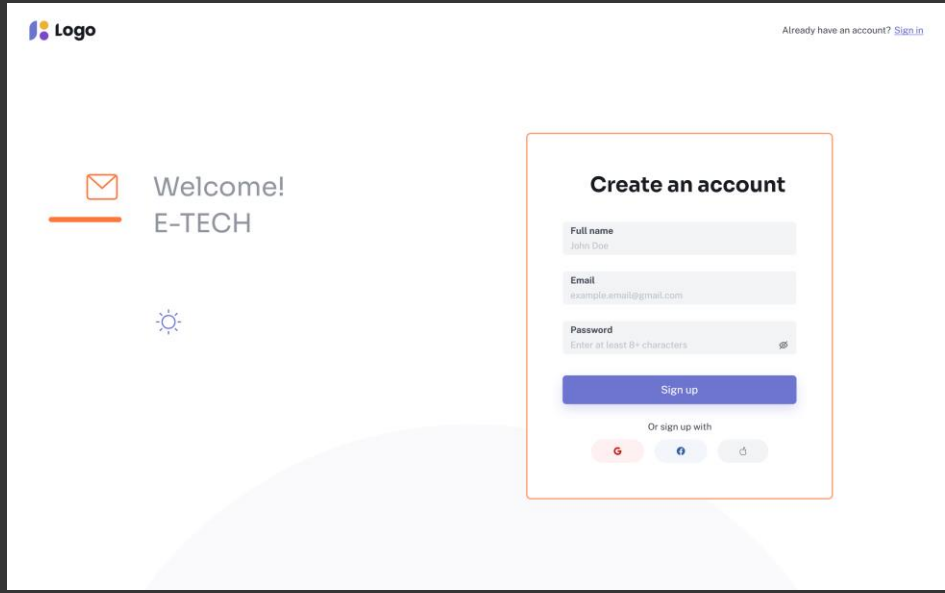
2. SIGN IN


Student
IdStudent int
NameStudent string
idAccount int
Account
idAccount int
UserName string
PassWord string
Email nvarchar
MoreInfo nvarchar
Teacher
IdTeacher int
NameTeacher string
idAccount int

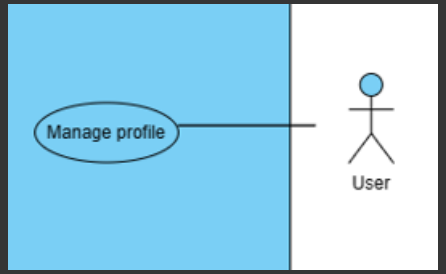

Logo
Welcome back
Email
Enter your email
Password
Enter your password
Keep me logged in
Forgot password?
Sign in
OR
Not a member yet? Register now

3. SIGN UP

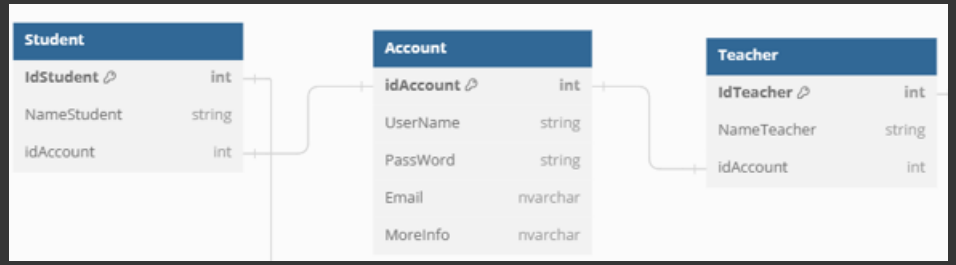

Student
IdStudent int
NameStudent string
idAccount int
Account
idAccount int
UserName string
PassWord string
Email nvarchar
MoreInfo nvarchar
Teacher
IdTeacher int
NameTeacher string
idAccount int


Logo
Already have an account? Sign in
Welcome!
E-TECH
Create an account
Full name
John Doe
Email
example.email@gmail.com
Password
Enter at least 8+ characters
Sign up
Or sign up with

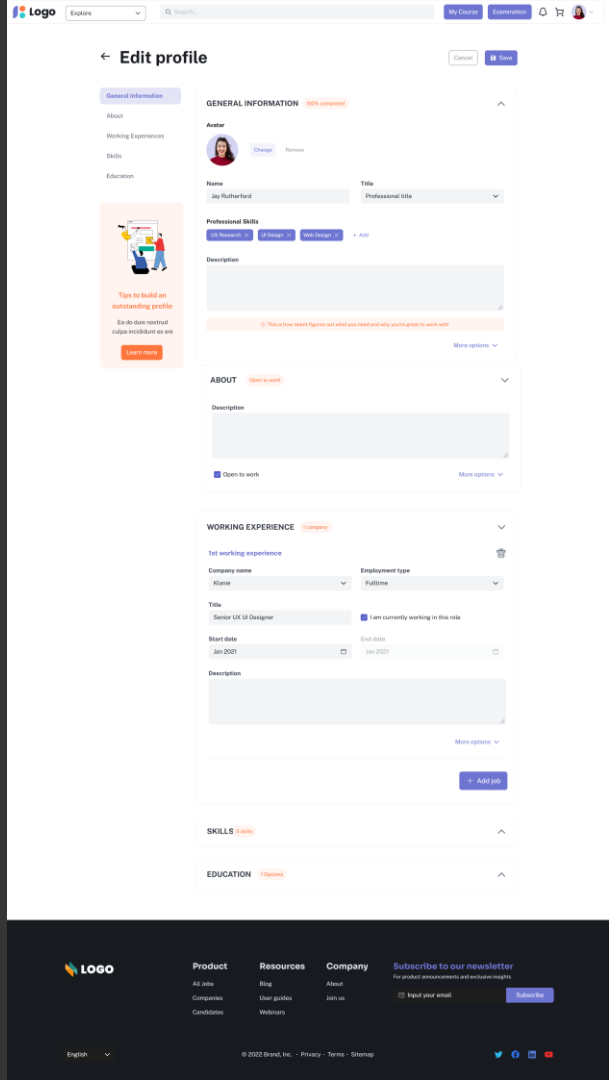
2. USER


Manage profile
User

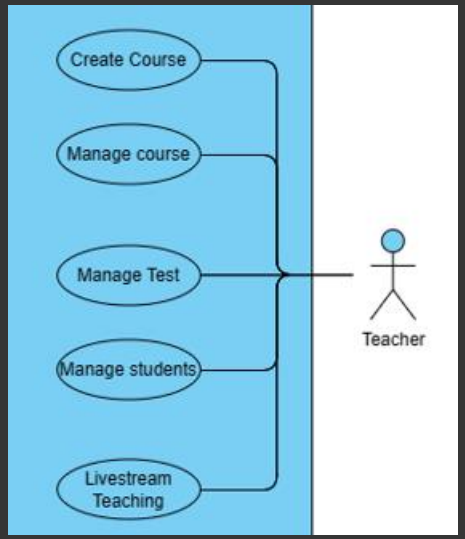
1. MANAGER PROFILE



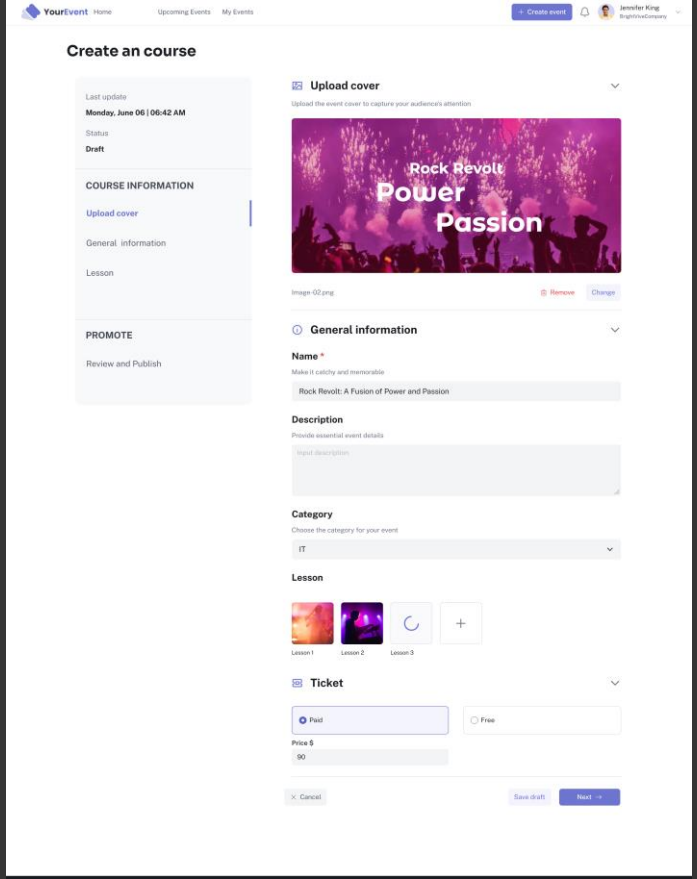
SELECT acc.UserName, acc.PassWord, acc.Email, acc.MoreInfo
FROM Account acc

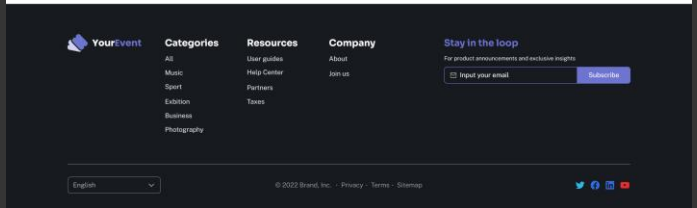


3. TEACHER

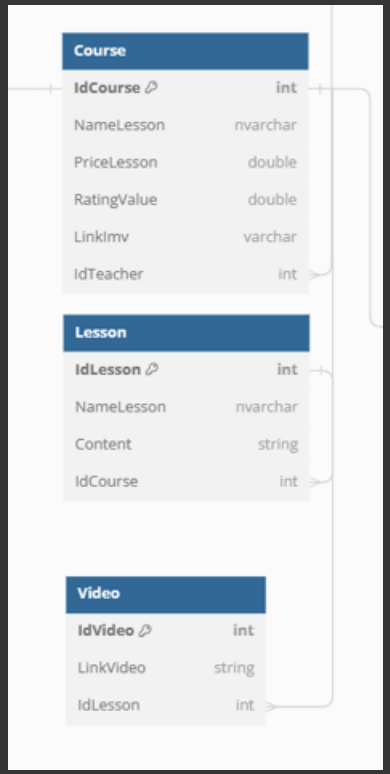

Create Course
Manage course
Manage Test
Manage students
Livestream Teaching
Teacher

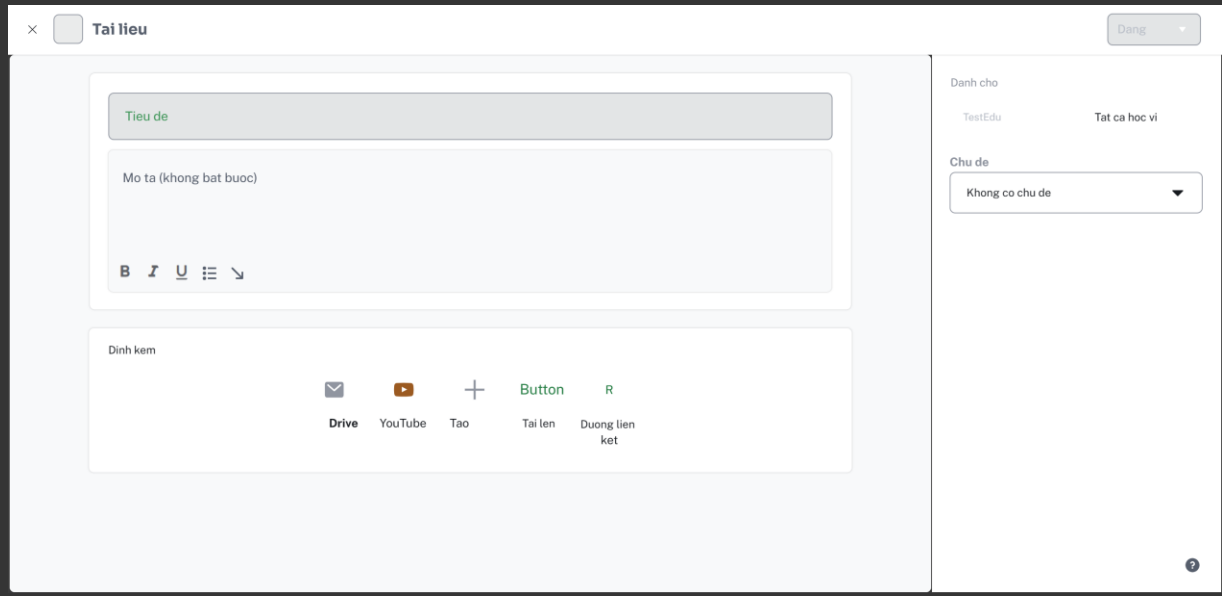
1. CREATE COURSE



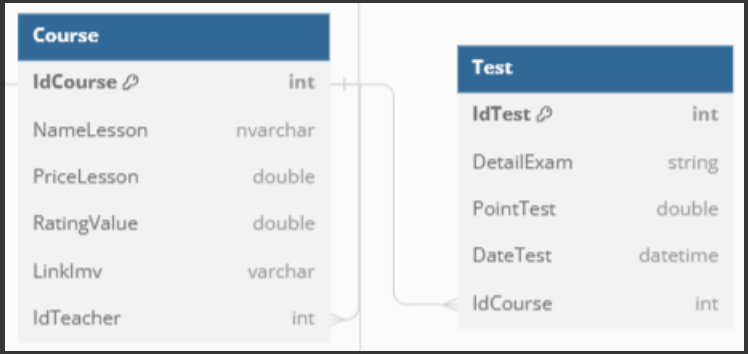


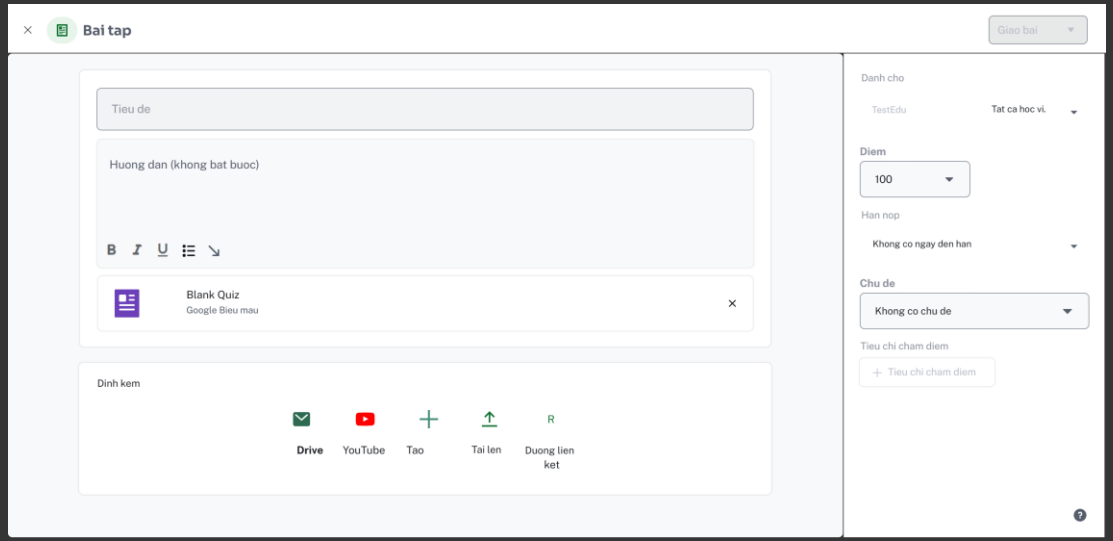
2. MANAGE COURSE



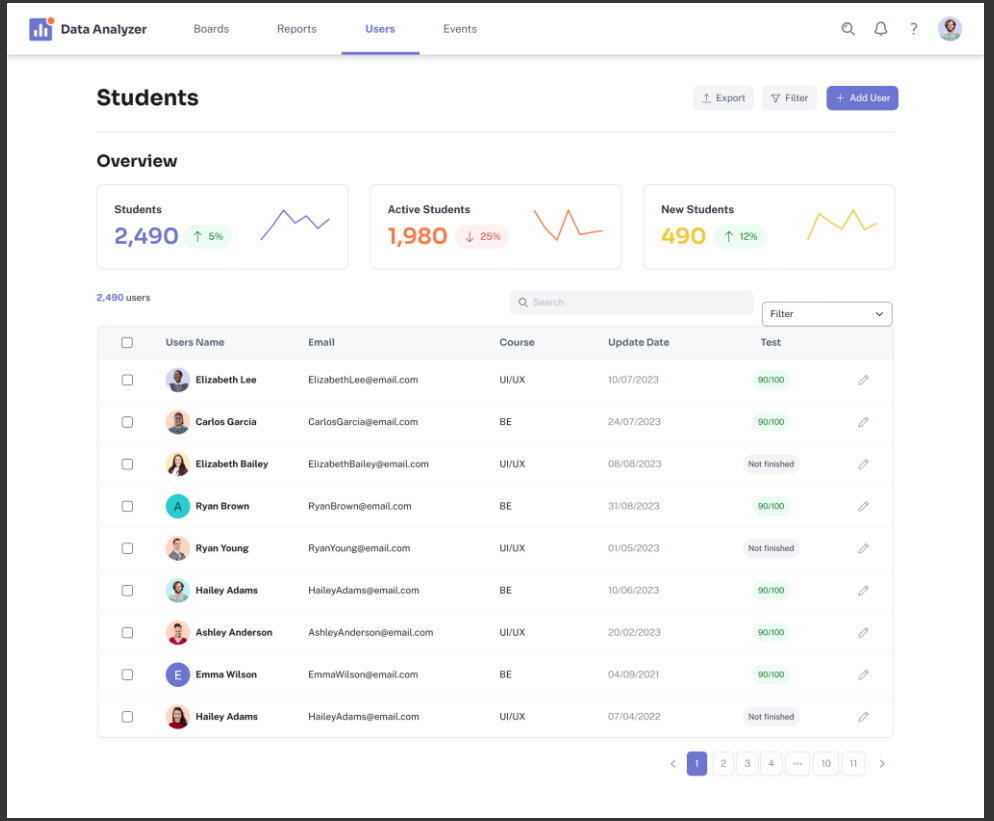


3. MANAGE TEST

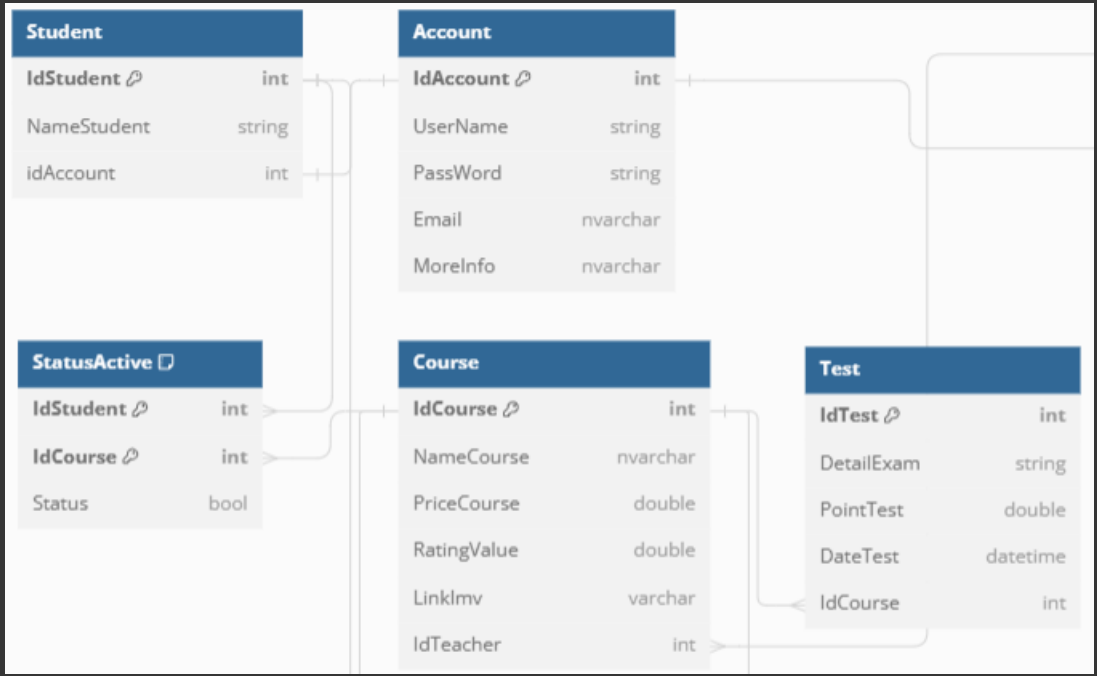




4. MANAGE STUDENT

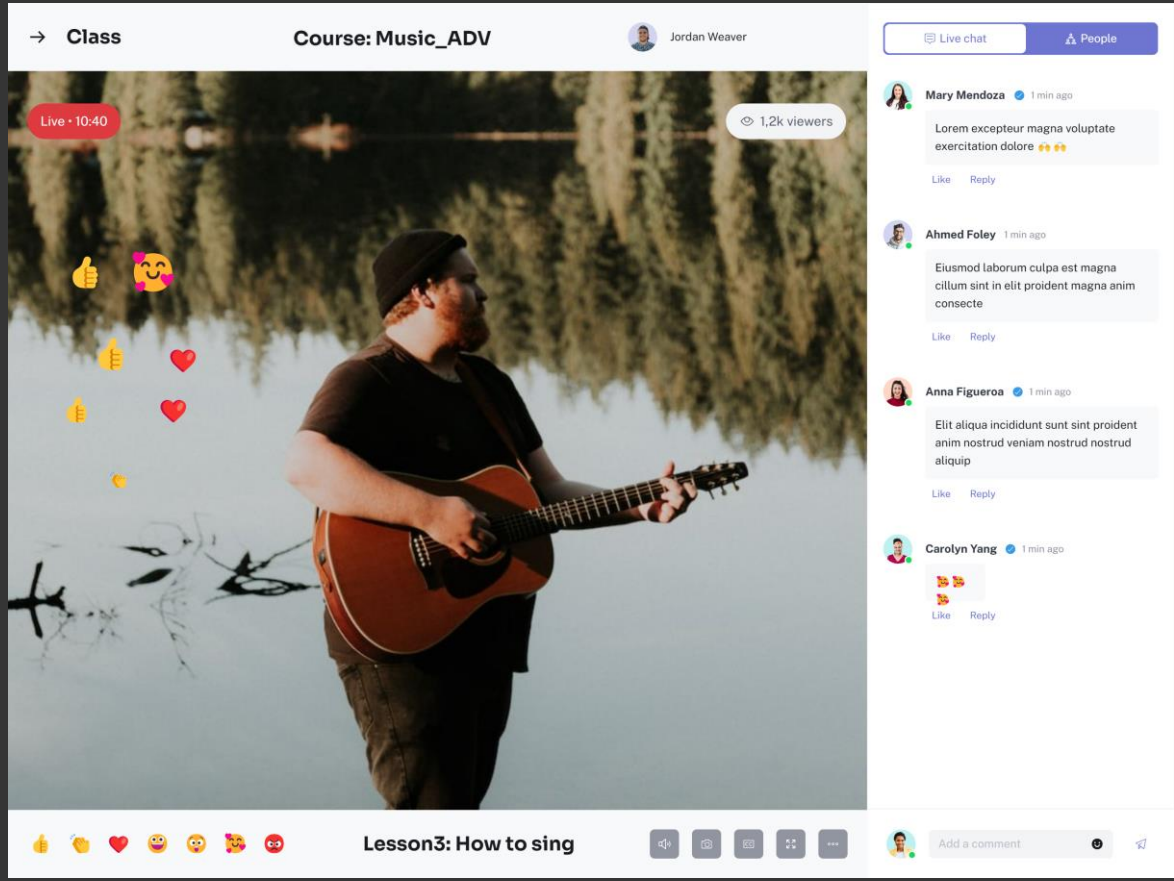


4. MANAGE STUDENT

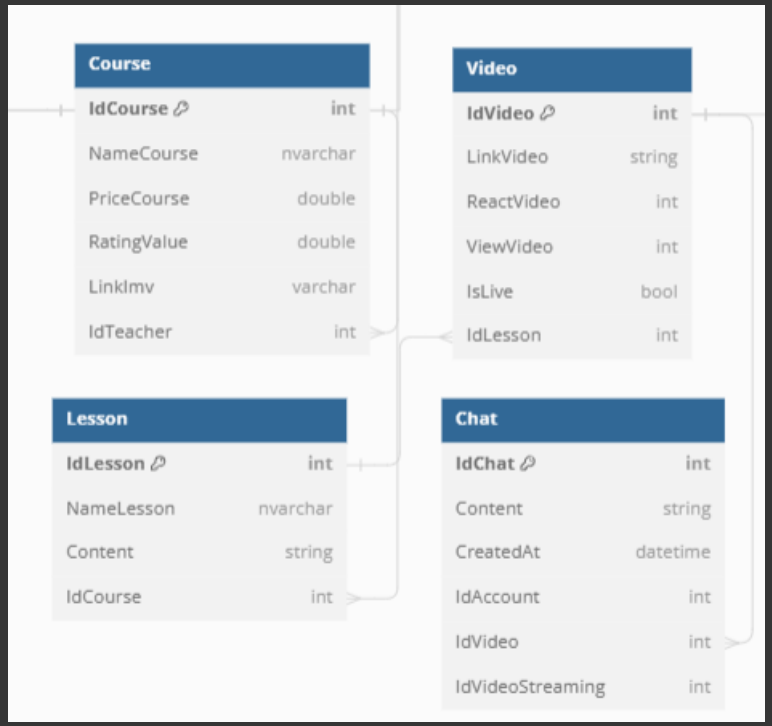



```
SELECT s.NameStudent, a.Email,
c.NameCourse,sa.Status ,t.PointTest
FROM Student s
Join Account a on a.IdAccount = s.IdAccount
Join StatusActive sa on
sa.IdStudent=s.IdStudent
Join Course c on c.IdCourse=sa.IdCourse
Join Test t on t.IdCourse=c.IdCourse
```

5. LIVESTREAM TEACHING

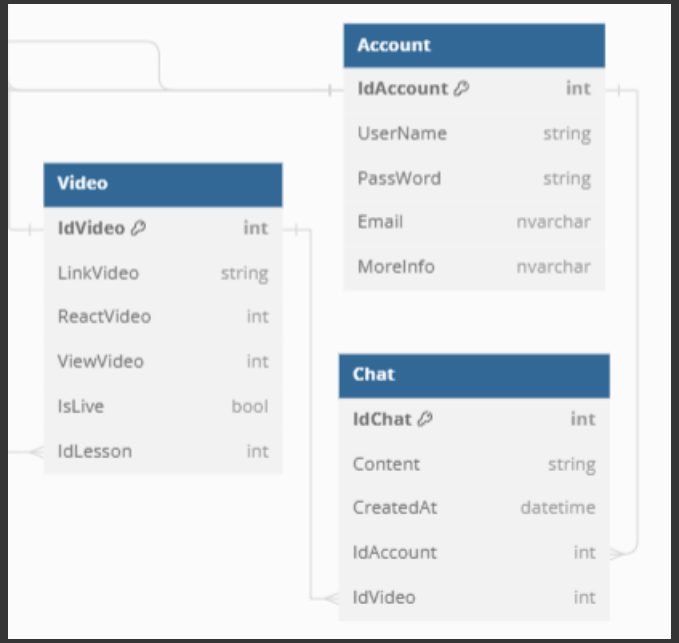


5. LIVESTREAM TEACHING



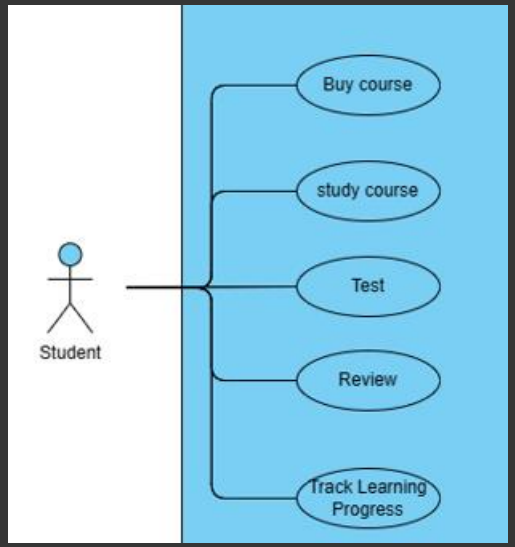

```
SELECT s.NameCourse, l.NameLesson,
v.LinkVideo, v.ReactVideo, v.ViewVideo
FROM Course s
Join Lesson l.IdCourse = s.IdCourse
Join Video v on v.IdLesson=l.IdLesson
```

5. LIVESTREAM TEACHING

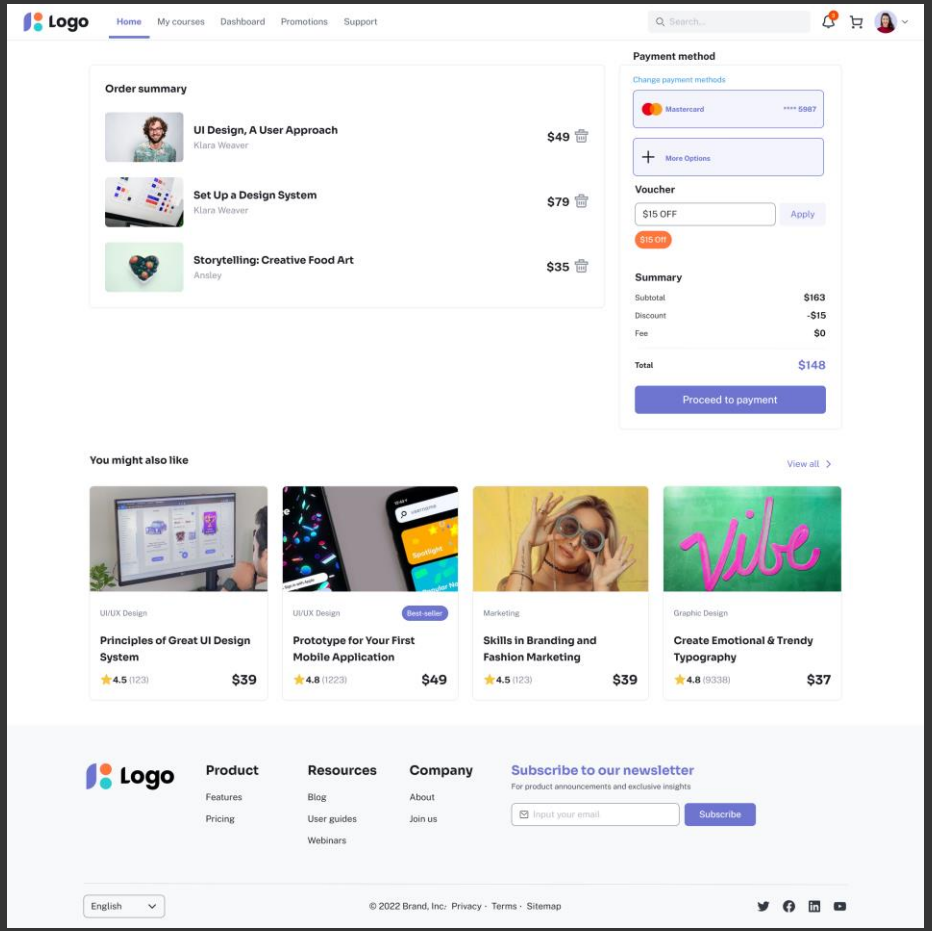



```
SELECT a.Username, c.Content,
c.CreatedAt
FROM Video v
Join Chat c on c.IdVideo = v.IdVideo
Join Account a on a.Account=c.IdAccount
WHERE v.IsLive=true
```

4. Student


Buy course
study course
Test
Review
Track Learning Progress
Student

1. BUY COURSE


Logo
Home
My courses
Dashboard
Promotions
Support
Order summary
UI Design, A User Approach
Klara Weaver
$49
Set Up a Design System
Klara Weaver
$79
Storytelling: Creative Food Art
Ansley
$35
Payment method
Change payment methods
Mastercard
**** 5987
More Options
Voucher
$15 OFF
Apply
$15 Off
Summary
Subtotal $163
Discount -$15
Fee $0
Total $148
Proceed to payment
You might also like
View all
UI/UX Design
Principles of Great UI Design System
4.5 (123)
$39
UI/UX Design
Best-seller
Prototype for Your First Mobile Application
4.8 (1223)
$49
Marketing
Skills in Branding and Fashion Marketing
4.5 (123)
$39
Graphic Design
Create Emotional & Trendy Typography
4.8 (9338)
$37
Logo
Product
Features
Pricing
Resources
Blog
User guides
Webinars
Company
About
Join us
Subscribe to our newsletter
For product announcements and exclusive insights
Input your email
Subscribe
English
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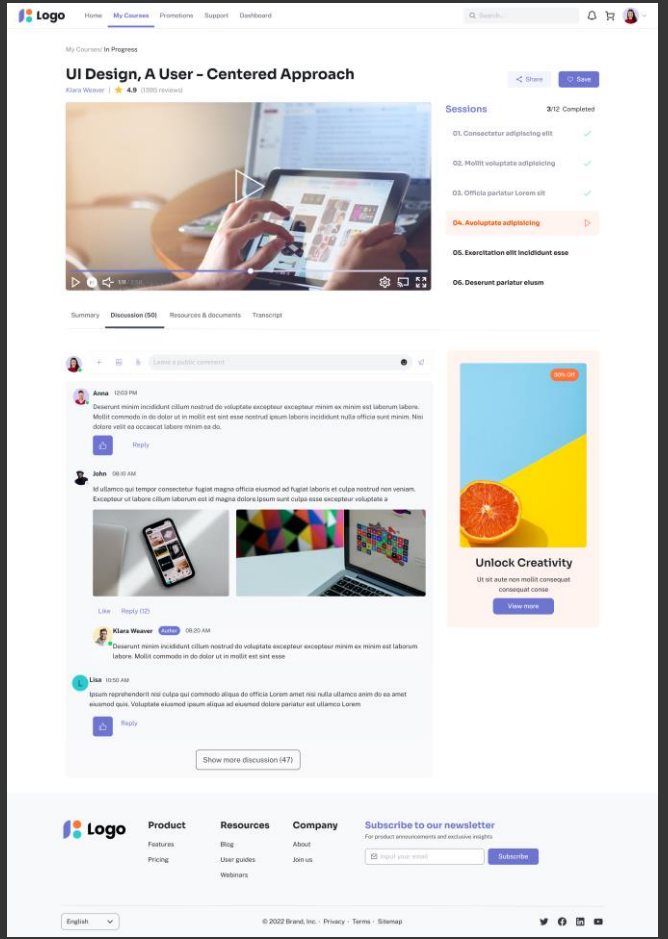
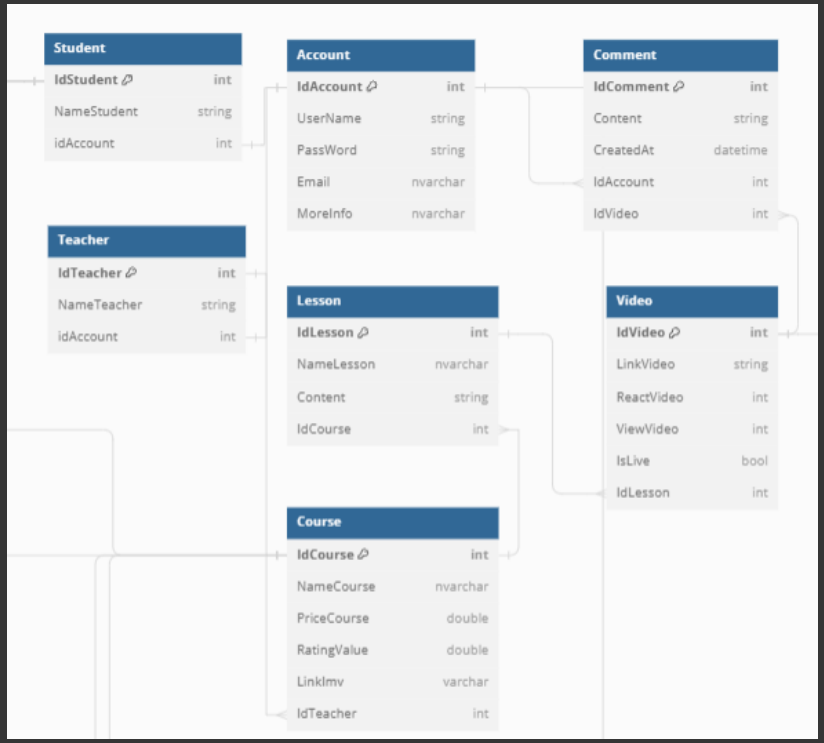
1. BUY COURSE

```
SELECT c.NameCourse, c.PriceCourse,
pm.IdPayment, pm.SeriPayment, bcTotalPrice
FROM Student s
Join PaymentMethod pm on pm.IdStudent on
s.IdStudent
Join BillCourse bc on
bc.IdStudent=s.IdStudent
Join Course c on c.IdCourse=bc.IdCourse
```

2. STUDY COURSE

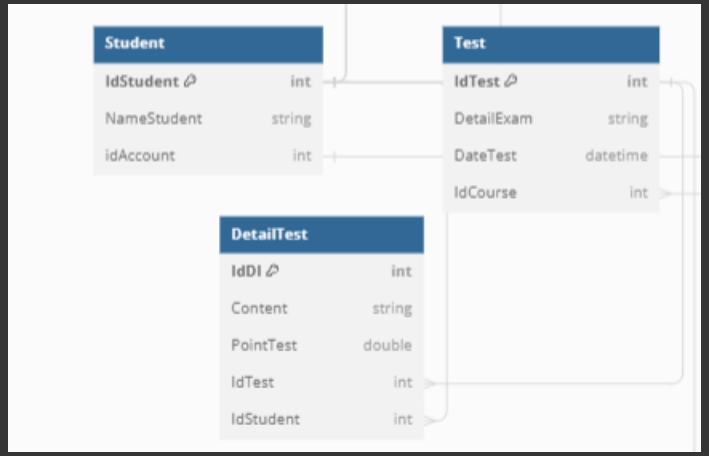


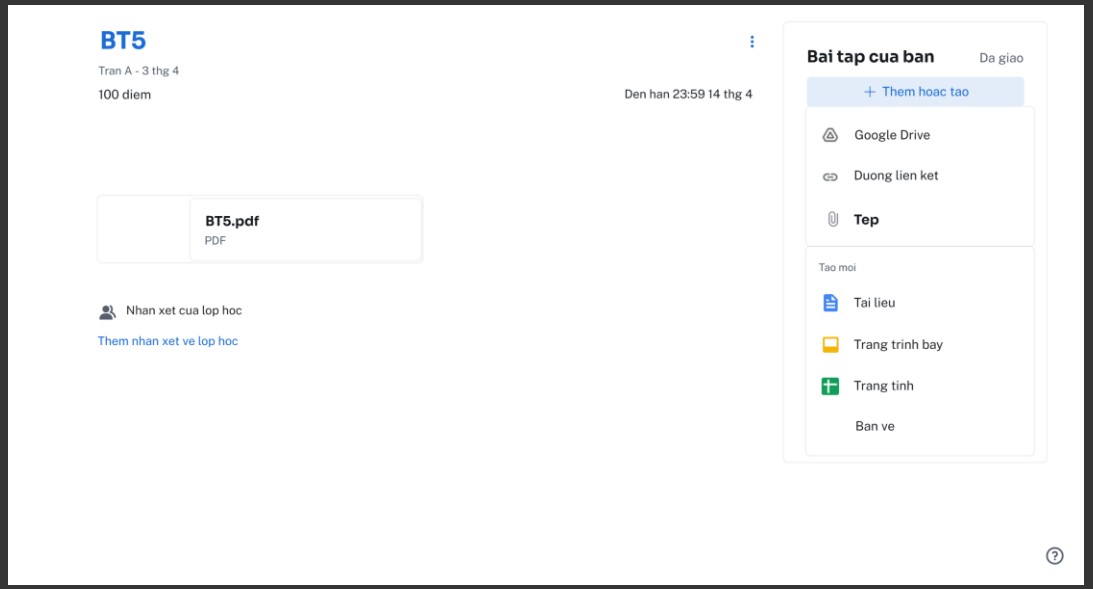
2. STUDY COURSE



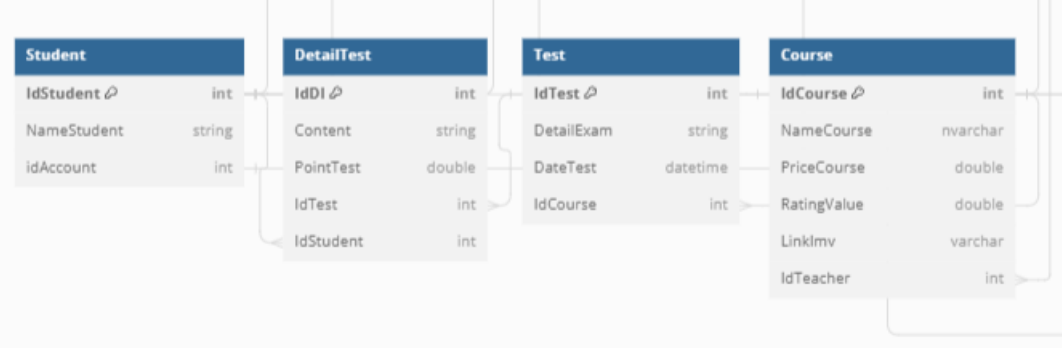

```
SELECT c.NameCourse , l.NameLesson,
l.Content, v.LinkVideo, v.ReactVideo,
v.ViewVideo, s.NameStudent, t.NameTeacher,
cm.Content, cm.CreatedAt
FROM Course c
Join Lesson l on l.IdCourse=c.IdCourse
Join Video v on v.IdLesson=l.IdLesson
Join Comment cm on cm.IdVideo = v.IdVideo
Join Account a on a.IdAccount = cm.IdAccount
Join Student s on s.IdAccount = a.IdAccount
Join Teacher t on t.IdAccount = s.IdAccount
```

3. TEST


Student
IdStudent int
NameStudent string
idAccount int
Test
IdTest int
DetailExam string
DateTest datetime
IdCourse int
DetailTest
IdDI int
Content string
PointTest double
IdTest int
IdStudent int

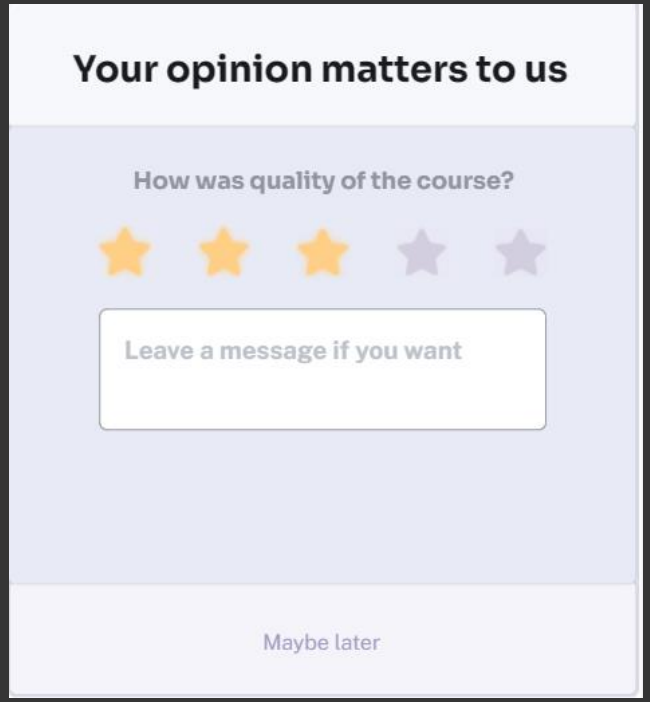

BT5
Tran A - 3 thg 4
100 diem
Den han 23:59 14 thg 4
BT5.pdf
PDF
Nhan xet cua lop hoc
Them nhan xet ve lop hoc
Bai tap cua ban
Da giao
Them hoac tao
Google Drive
Duong lien ket
Tep
Tao moi
Tai lieu
Trang trinh bay
Trang tinh
Ban ve

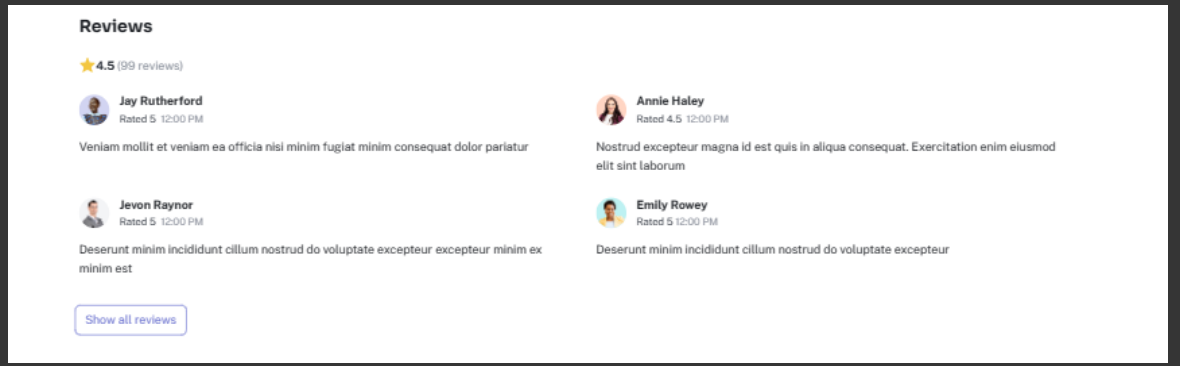
3. TEST




```
SELECT c.Namecourse, t.DetailExam,
t.DateTest. dt.Content
FROM Student s
Join DetailTest dt on dt.IdStudent=s.IdStudent
Join Test t on t.IdTest = dt.IdTest
Join Course c on c.IdCourse = t.IdCourse
```

4. REVIEW

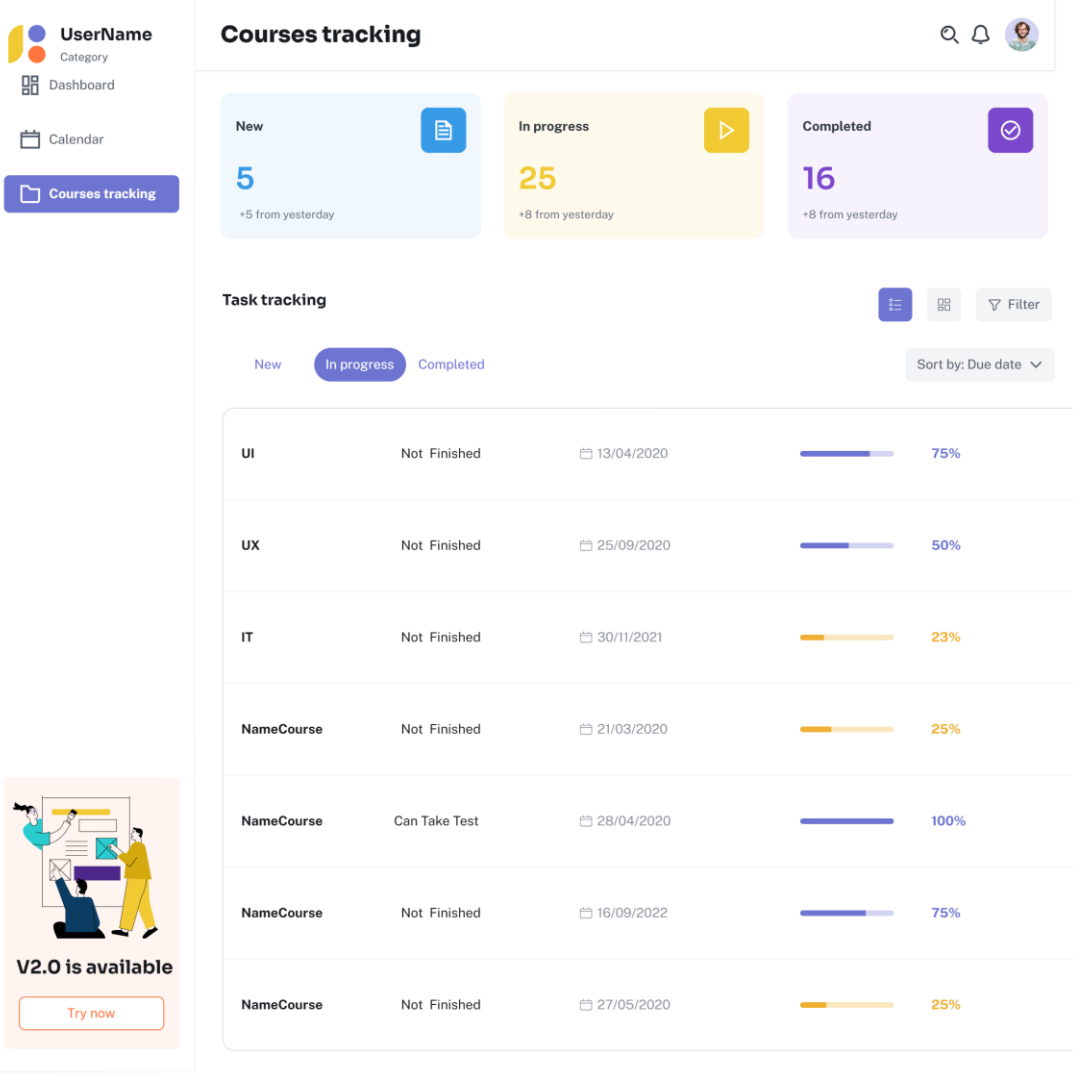

Your opinion matters to us
How was quality of the course?
Leave a message if you want
Maybe later


Reviews
4.5 (99 reviews)
Jay Rutherford
Rated 5 12:00 PM
Veniam mollit et veniam ea officia nisi minim fugiat minim consequat dolor pariatur
Annie Haley
Rated 4.5 12:00 PM
Nostrud excepteur magna id est quis in aliqua consequat. Exercitation enim eiusmod elit sint laborum
Jevon Raynor
Rated 5 12:00 PM
Deserunt minim incididunt cillum nostrud do voluptate excepteur excepteur minim ex minim est
Emily Rowey
Rated 5 12:00 PM
Deserunt minim incididunt cillum nostrud do voluptate excepteur
Show all reviews

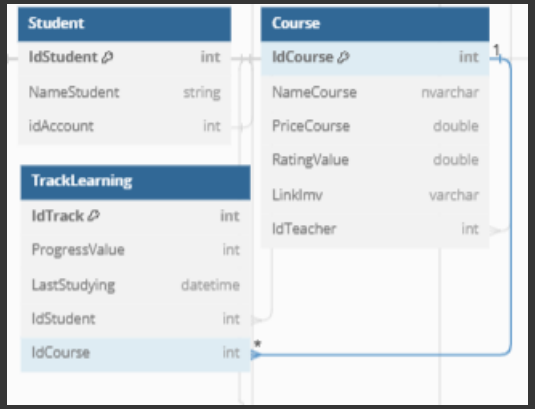
4. REVIEW

```
SELECT s.NameStudent, r.Content, r.Rating,
r.CreateAt
FROM Student s
Join Review r on r.IdStudent=s.IdStudent
Join Course  c on c.IdCourse = r.IdCourse
```

5. TRACK LEARNING PROGRESS



5. TRACK LEARNING PROGRESS




```
SELECT c.NameCourse, tl.ProgressValue,
tl.LastStudying
FROM Student s
Join TrackLearning tl on tl.IdStudent=s.IdStudent
Join Course c on c.IdCourse = r.IdCourse
```

THANKS FOR READING