

orangeTM

The word "orange" is written in a bold, white, lowercase sans-serif font. A trademark symbol (TM) is positioned to the upper right of the word. The text is set against a solid orange background. A horizontal line with a torn, irregular edge separates the orange background from a solid black background below it.



Learning Management
system by Coding Academy
by Orange

- Why Learning Management System (LMS) System?

The reason behind building this type of system is that we urgently need such educational systems, whether for schools or universities or even companies and educational academies; In the presence of the Corona virus, a large number of students in schools, universities and even academies have been affected, but there is no platform that supports the concept of learning management systems.





- Why did you choose an electronic learning system for the Orange Academy for programming?

Training for the second group was through the application of Zoom, and there was a need for an official communication environment with students, and the problem was that sources, references and others were dispersed between WhatsApp, Slack, or the like. Hence the idea of building an academic education system so that all sources, references, etc. are collected.

objectives:

1. Gather all sources and files in one place.
2. Publish only reliable and accurate sources.
3. Electronic Library.
4. Educational videos.
5. Save time and effort.
6. Make the system flexible and uncomplicated for users.





Requirement Project



- Dashboard:
- *Admin dashboard:
- 1.Login Admin And Trainer.
- CRUD Operation.
- Courses section
- Videos section
- Library Section
- ..etc

- Public website:
- 1.Landing page:
 - Slider or image related project.
 - Navbar.
 - About Academy
 - Footer
 - Our team picture.
- 2.Course page.
- 3.library.
- 4.Profile user
- 5.Chat Area
- 6.Submit task





User (student) activity on website:

1. Login.
2. Download book.
3. Watch Video
4. View Profile
5. Submit task
6. Chat Area(post, comment)



- Security:

- 1. @csrf : Cross-site request forgeries .

- A. Authentication:

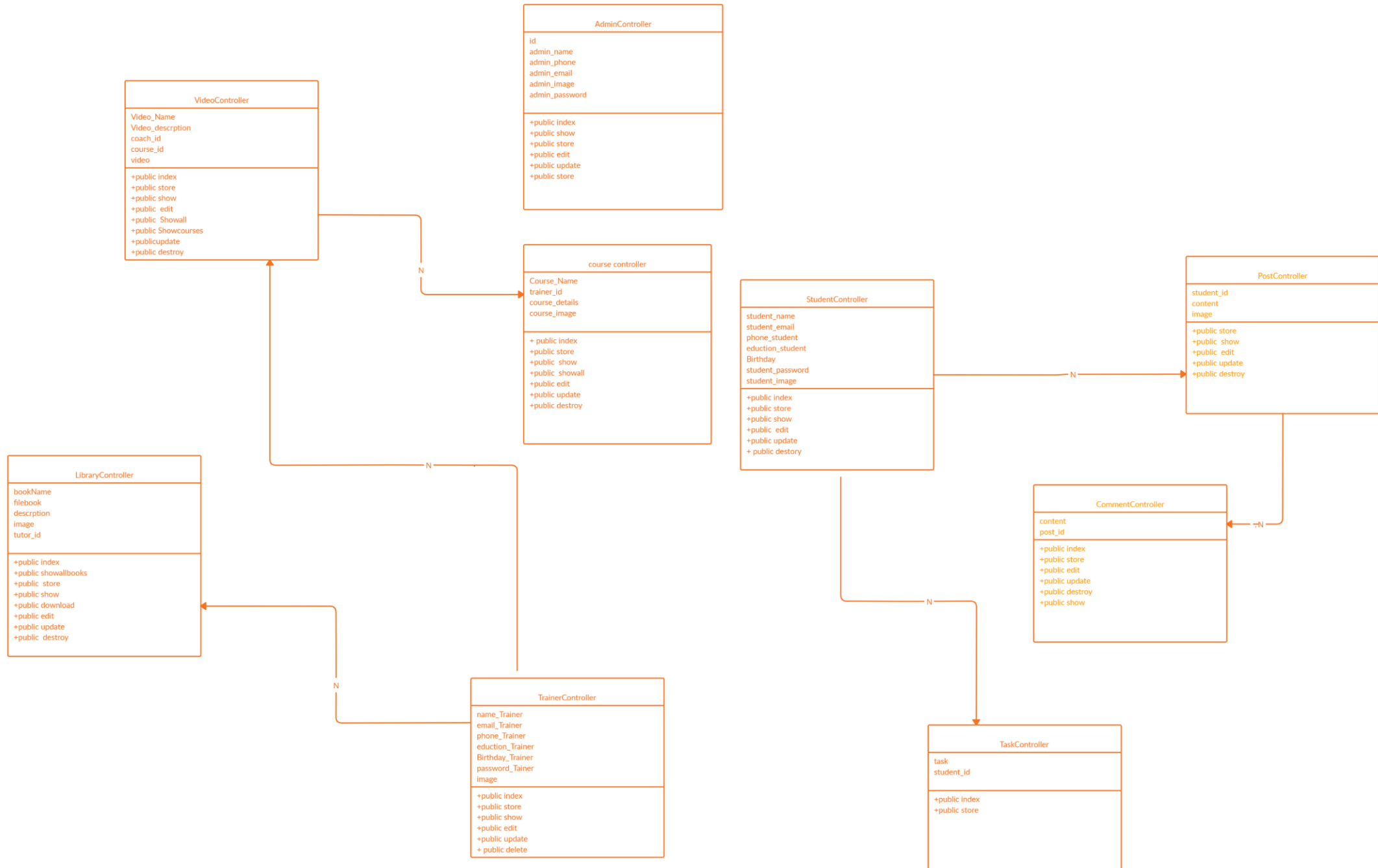
- Login use Hash password, and email.
 - Validation (regex :email, length for password).

- 2. Authorization:

- Giving powers to both the user and the admin.

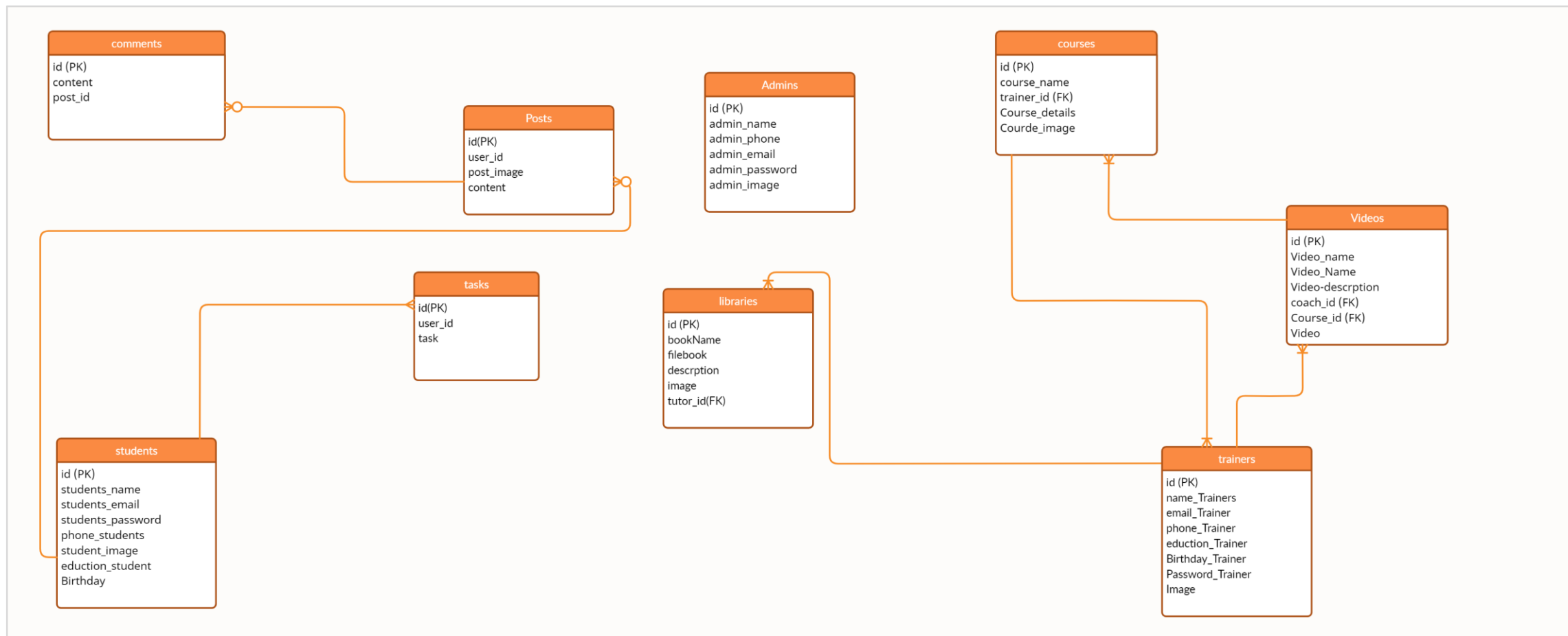


Class Diagram

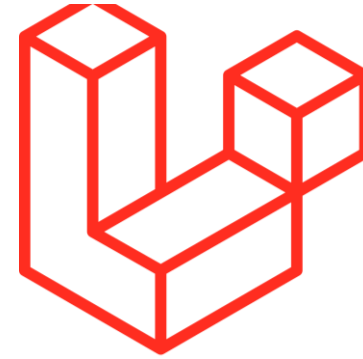


Database Diagram



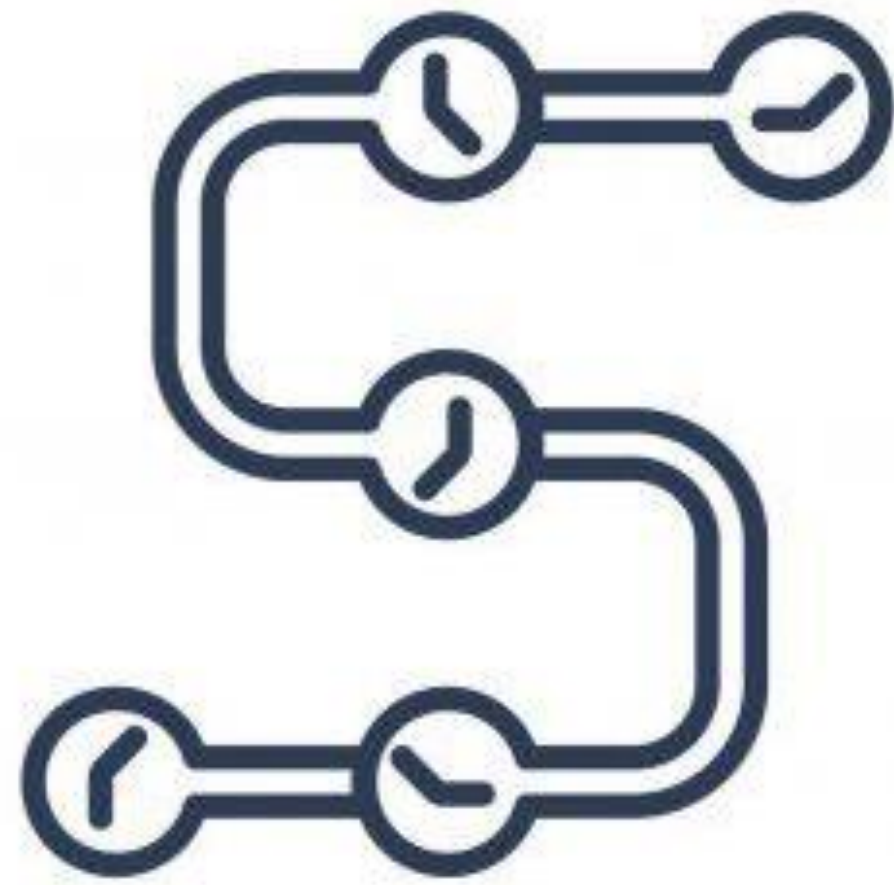


MySQL™



orange™

Technology used



TIMELINE

TIME MANAGEMNET



- Test Cases:

- Admin Role Test:

1-Create the admin and then try to log in with the name that entered it.

2-Trying to log in with a name that is not in the database.

3-An attempt to e-mail in the database, but the password is wrong

4-Entry with correct information and full validity test.

Trainer test:

1. Enter e-mail and password for one of the trainers.

2. Enter e-mail wrong and password is correct

3. Wrong information entry

4.Log in with correct information and test its validity.

- Test Cases:

Student test:

1. Enter e-mail and password for one of the trainers.
2. Enter a wrong e-mail and password is correct.
3. Wrong information entry
4. Log in with correct information and test its validity.

Dashboard test:

When creating all of the admin, trainer and student:

Try to enter a password less than 10 and enter an email with the wrong caption and a picture with the extension is not required

When inserting videos and blocks, I tried to insert books of unwanted sizes

And videos in not required formats, too.



- Obstacles:
 - Download file.
 - Design (front-end).
 - I used version 5.8 and had limited resources.





Thank You