



Software Requirements Specifications document
For Learning Management System by Coding Academy by
Orange

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Coding Academy by Orange
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Introduction:

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.



Technology Used, security And Obstacles

Technology used:

- 1.Laravel 5.8.
- 2.Bootstrap Orange.
- 3.MySQL.
- 4.XD.

Security:

1. @csrf : Cross-site request forgeries .

1. Authentication:

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

2. Authorization:

- Giving powers to both the user and the admin.

Obstacles:

1. Download file.
2. Design (front-end).
3. I used version 5.8 and had limited resources.

Requirement Project

Dashboard:

*Admin dashboard:

- 1.Login Admin.
2. create Admin.
- 3.Edit and Update Admin
- 4.Delete Admin.

*Admin Information:

Table name: admins

	field	Data type	validation
pk	id	big Increment	-
1	name	string	Max-length:20
2	Email	string	Regex email
3	Image	text	Jpg, png, gif,max:1000
4	Phone number	string	Start:077&min length :10

Trainer:

- 1.create Trainer.
- 2.Edit and Update Trainer
- 3.Delete Trainer.
4. Login Admin.

*trainer Information:

Table name: trainers

	field	Data type	validation
1.	id	Big increment	-
2.	Name Trainer	string	Required/length:max:20
3.	Email Trainer	string	Require/regex email
4.	Phone Trainer	string	Required/min:10
5.	Eduction_Trainer	string	Required
6.	Birthday_Trainer	birthday	Required
7.	Password_Trainer	string	Required/confirmed/max:16
8.	image	text	Required/jpg,png,gif/mac:3000

Student:

- 1.create student.
- 2.Edit andUpdate.
- 3.Delete student.
4. Login Admin.

*student information

Table name: students

	field	Data Type	validate
1.	id	Big increment	-
2.	Student_name	String	Required/Max:20
3.	Student_email	String	Required/regex
4.	Phone_student	String	Required/min:10
5.	Eduction_student	String	Required
6.	Birthday	String	Required
7.	Student_password	String	Required/confirmed/min:10 max:16.
8.	Student_image	text	Required/jpg/png/gif max:3000

Course:

- 1.create course.
- 2.Edit and Update Course.
- 3.Delete Course.

*Course information:

Table name: courses.

	Field	Data Type	Validate
	Id	bigIncrement	-
2.	Course_Name	String	Required
3.	Email_id	unsignedBigInteger	'required'
4.	Trainer_id	unsignedBigInteger	Required
5.	Course_deatails	Text	Required
6.	Course_Image	text	Required/png,jpg,gif,max:3000

Resources(library):

- 1.create Library.
- 2.Edit and Update.
- 3.Delete Library.

*Library information:

Table name: libraries.

	Field	Data Type	validate
1	id	bigIncrements	-
2	bookName	String	required
3	filebook	Binary	Required/pdf,doc,xlsx, csv,max:3000
4	Description	Text	required
5	image	text	Required-jpg, png, gif, max3000

Video:

- 1.create video.
- 2.Edit and Update video.
- 3.Delete Video.

*Video information

Table name: videos.

	Field	Data Type	Validate
1.	Id	Big increment	-
2.	Video_Name	String	Required
3.	Video_description	text	required
4.	Coach_id	unsignedBigInteger	Required
5.	Course_id	unsignedBigInteger	Required/max:2000

User (student) activity on website:

1. Login.
2. Register.
3. Download book.
4. Watch Video
5. View Profile

Public website:

1.Landing page:

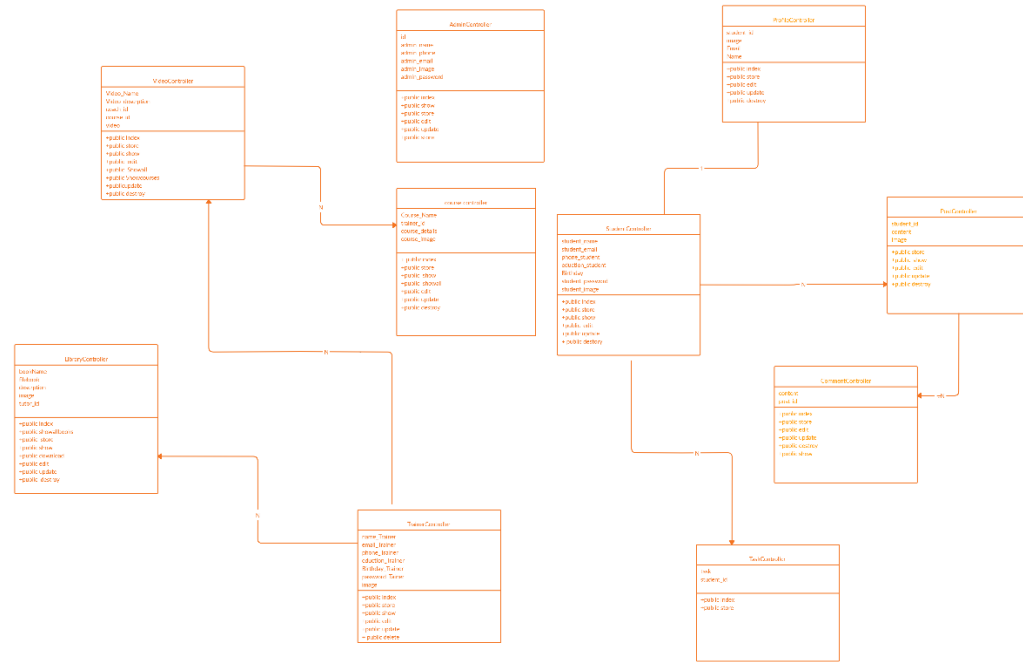
- Slider or image related project.
- Navbar.
- About Academy
- Footer
- Our team picture.

2.Course page.

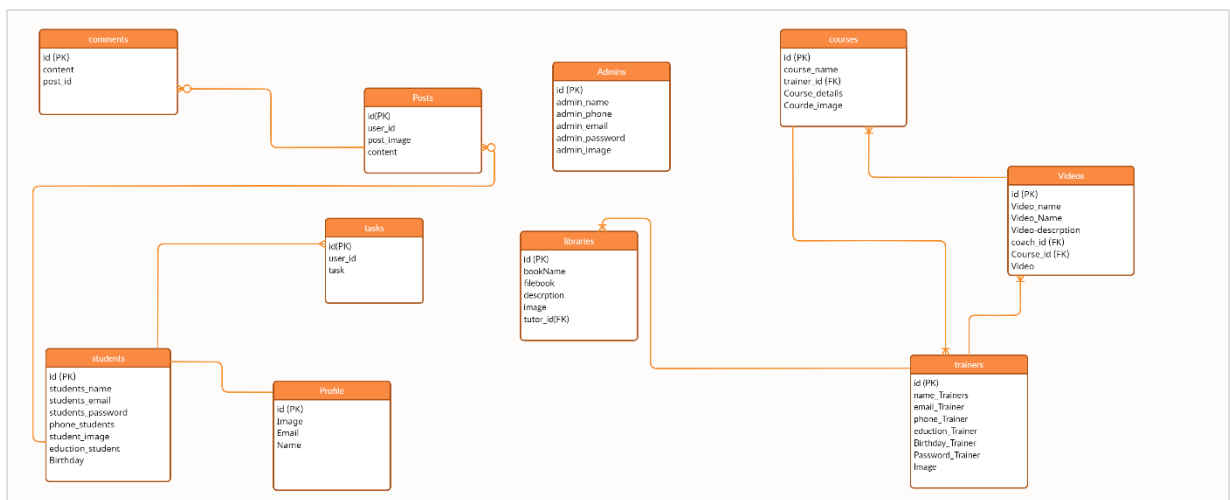
3.library.

4.Profile user

Class Diagram:



Database Diagram:



System Scenario:

If the student wants to enter the site, watch videos, and download books, he must log in, observing the verification conditions.

And if the Admin wants to enter the Dashboard, he and the trainer must also log in.

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.

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.

REFERENCES:

1.Laravel Documentation

[Laravel - The PHP Framework For Web Artisans](#)

2.StackOverFlow

[Stack Overflow - Where Developers Learn, Share, & Build Careers](#)

3.Youtube

[Download - File with Laravel \[Part 15\] - YouTube](#)

[Multiple Authentication in Laravel 5.4 Natively! \(Admins + Users\) - Part 1 - YouTube](#)

Wireframe and Mockup:

ManageDashboard task Post comment

fullName

phone

password

Email

picture

confirmpassword

submit

ShowTable

ID	AdminName	Email	phone	Picture	Edit	Delete
1	Rami	Rami@gmai.com	0777777		<div>Edit</div>	<div>Delete</div>



FullName

phone

Password


Email

picture

confirmpassword

submit

ShowTable

ID	TrainerName	Email	phone	picture	Edit	Delete
1	Roaa	roaa@gmail.com	00777700		Edit	Delete

Course Name*

TrainerName:*


picture*

Traineremail

Course deatials:

submit

ShowTable

ID	CourseName	Trainerame	Course	picture	Edit	Delete
1	HTML5	Alaa	<pre><!DOCTYPE html> <html> <head> <title>HTML5</title> </head> <body> <h1>HTML5</h1> </body> </html></pre>		Edit	Delete



ManageDashboard

task

Post

comment

Course Name*

TrainerName:*

select TrainerName


picture*

Book*

Course deatials:

submit

ShowTable

ID	CourseName	TrainerName	coursedeatials	Picture	Edit	Delete
1	HTML5	Alaa	To make Maw-Maw proud, today we are going to talk about how to apply special formatting such as font size, bold, and italics to the text in your book description using the surprisingly simple technique of HTML tags.		Edit	Delete



ManageDashboard

task

Post comment

BookName*

TrainerName:*

select TrainerName

Picture

CHOOSE FILE

Book*

description*

submit

ShowTable

ID	BookName	Subject	TrainerName	description	picture	Edit	Delete
----	----------	---------	-------------	-------------	---------	------	--------

1

HTML5

Http

Alaa

To make this more precise, today
we are going to
talk about how to
apply special formatting such as font size,
color, and text to the
text in your book observation
using the special HTML attributes
of HTML. Look



Edit

Delete



Manage Dashboard

task post comment

BookName*

TrainerName:*

select TrainerName

Picture

Book*

description*

submit

ShowTable

ID	BookName	Subject	TrainerName	description	picture	Edit	Delete
----	----------	---------	-------------	-------------	---------	------	--------

1

HTML5

Http

Alaa

To make this more precise, today we are going to talk about how to apply special formatting such as font color, bold, and italic to the text in your book observation using the special HTML attributes of HTML. Logo



Edit

Delete



Course
Resource

ChatArea

Login SingUP

Welcome to Coding Academy by Orange

Coding Academy - Your Ticket to Success

Let's Go

The Challenge

Technology Sector is one of the fastest growing sectors today, it's no surprise that the global market is in dire need of qualified programmers, software, and web developers, as well as other digital and technology experts. To address this challenge and ensure the development local business and economy, we have Initiated Orange Jordan Coding Academy program.

Academy Objectives

You will: Improve your communication skills, Enhance your skills in web development, mobile applications and creating new ideas, Sharpen your soft skills; enhance your self-confidence and business, Fortify your programming knowledge and increase your knowledge in everything new in the world of technology, Jump-start your career and shape your future in the best way possible, Develop your overall capabilities and open doors to new opportunities in your life

Our Mission

Train and empower youth to enhance their opportunities in technology sector in Jordan, Address the local and global markets' needs for qualified programmers, Lead the digital transformation in the Kingdom, Offer youth a second chance to start a career in programming

Our Coding Academy by Orange team



Our Skills

Backend
PHP,Laravel,MYSQL,Python

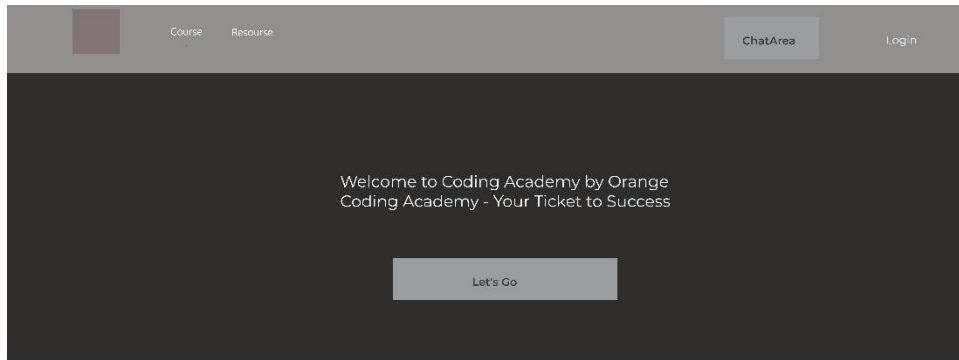
Front-end
HTML5,CSS React...

Soft Skills
PMP,Design thinking..

Gallery Event



Power by coding Academy by Orange



Why do we use it?

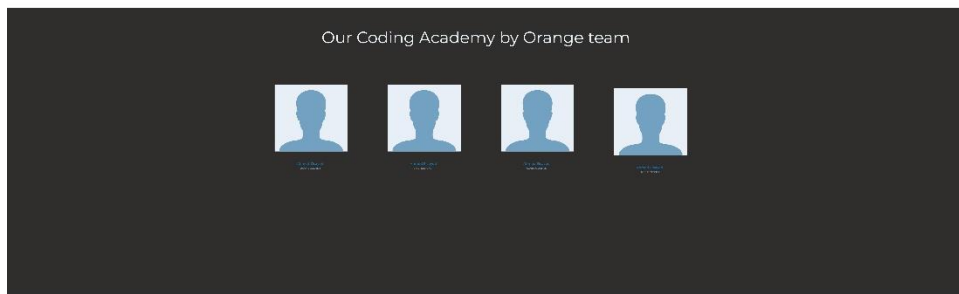
It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English.

Why do we use it?

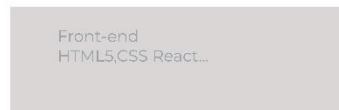
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Our Skills



FullName

phone

Birthday

password

Email


Eduction

picture

confirepassword

submit

ShowTable

ID	studentName	Email	Phone	Eduction	Birthday	Picture	Edit	Delete
1	Roaa	Roaa@gmail.com	077777	MIS	24-8-1998		Edit	Delete



FullName

phone

Birthday

password

Email


Eduction

picture

confirepassword

submit

ShowTable

ID	studentName	Email	Phone	Eduction	Birthday	Picture	Edit	Delete
1	Roaa	Roaa@gmail.com	077777	MIS	24-8-1998		Edit	Delete



FullName

phone

Birthday

password

Email


Eduction

picture

confirepassword

submit

ShowTable

ID	studentName	Email	Phone	Eduction	Birthday	Picture	Edit	Delete
1	Roaa	Roaa@gmail.com	077777	MIS	24-8-1998		Edit	Delete

fullName

Email

phone

Education

Birthday

picture

password

confirmpassword

submit

ShowTable

ID	TrainerName	Email	phone	Education	Birthday	Picture	Edit	Delete
1	Roaa	roa@gmail.com	0777777	MIS	12-12-1998		<div>Edit</div>	<div>Delete</div>



Course

Resource

ChatArea

Login

HTML

is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text,

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fullName

phone

Birthday

password

Email


Eduction


picture

confirmepassword


submit

ShowTable


ID	TrainerName	Email	Phone	Eduction	Birthday	Picture	Edit	Delete
1	Alaa	Email	0777777	CS	12-12-1998		Edit	Delet




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Video Name

CourseName:

select CourseName:

picture*

CHOOSE FILE

Video*

CHOOSE FILE

description*

submit

ShowTable

ID	Video Name	CourseName	TrainerNam	Video_description	Video	Edit	Delete
1	html	HTML5	Roaa	<div>video description text long video description video description, as a text and video description and video description and video description and video description and video description</div>	videoName	Edit	Delete

select CourseName:

CHOOSEFILE

Choose file

submit

ShowTable

ID	Video Name	CourseName	TrainerNam	Video_description	Video	Edit	Delete
1	html	HTML5	Roaa	to learn HTML5 video tutorial in 30 minutes HTML5 is the latest version of HTML, and it includes a lot of new and powerful features to help you create better web pages.	videoName	Edit	Delete



ManageDashboard

task comment post

Video Name

CourseName:

select CourseName:

picture*

Video*

description*

submit

ShowTable

ID	Video Name	CourseName	TrainerNam	Video_description	Video	Edit	Delete
1	html	HTML5	Roaa	<div>Trainer's description text here to be displayed in the video description field, as a text and not HTML, as it will not be displayed in the video player as a text.</div>	videoName	Edit	Delete