# Java Angular: Course Platform App

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### Introduction:

This application is a platform where instructors offer courses and students can sign up to follow them.

The application is structured around 3 roles: Admin, Teacher and Student. Each role can access specific pages.

A login page has been created to ask you to authenticate yourself and provide you with the required authorizations.

We've also added a Signout page to allow you to log out.

The database is a MySQL database.

### 1. Login Page:

ع TBERT31	TBERT31	[+ Login
	Email	
	Password Login	

### 2. Admin Access:

### 2.1 Admin account:

- Login: admin@gmail.com
- Password: 1234

### 2.2 Accessible routes:

- <u>http://localhost:4200/courses</u>
- <u>http://localhost:4200/students</u>
- <u>http://localhost:4200/teachers</u>

# 2.3 Courses View:

د TBERT31	TBERT31						<b>[→</b> Signout
Courses	Courses						new course
🞓 Students	Search	Search					
🗵 Teachers	ID	Name	Duration	Description	Instructor		
	1	Java Course0	0Hours	Java0	instructor0FN instructor0LN		
	2	Java Course1	1Hours	Java1	instructor0FN instructor0LN	Ī	
	3	Java Course2	2Hours	Java2	instructor0FN instructor0LN	T	
	4	Java Course3	3Hours	Java3	instructor0FN instructor0LN	Î	
	5	Java Course4	4Hours	Java4	instructor0FN instructor0LN		
	Course ID	Course Name	Course Duration	Course Description	Instructor		
	1 2 3	4					

### Possible actions:

2.3.1 Create Course				
<ul> <li>Course Form</li> </ul>				×
Course Name		Course Duration	Course Description	
Instructor	~			
				Close Save changes

## 2.3.2 Update Course

• Update Course Form		×
Course Id           1           Course Description           Java0	Course Name Java Course0 Instructor instructor0EN instructor0LN	Course Duration 0Hours
		Close Save changes

# 2.3.3 Delete Course



Courses					new course
0	Search	)			
ID	Name	Duration	Description	Instructor	
1	Java Course0	0Hours	Java0	instructor0FN instructor0LN	
11	Java Course10	10Hours	Java10	instructor0FN instructor0LN	
Course ID	Course Name	Course Duration	Course Description	Instructor	
1					

# 2.4 Students View:

🔮 TBERT31	TBERT31				🕞 Signout
Courses	Students				new student
students	Search	Search			
🔽 Teachers	Student Id	Student First Name	Student Last Name	Student Level	
	1	studentFN	studentLN	intermediate	Û
	2	studentFN0	studentLN0	intermediate0	Î
	3	studentFN1	studentLN1	intermediate1	Û
	4	studentFN2	studentLN2	intermediate2	Û
	5	studentFN3	studentLN3	intermediate3	Û
	Student Id	Student First Name	Student Last Name	Student Level	-
	0 1 2				

### Possible actions:

2.4.1 Create Student			
● Student Form			×
First Name	Last Name	level	
Email			
Password			
			Close Save changes

# 2.4.2 Delete Student



### 2.4.3 Search Students

Students	Search			new student
Student Id	Student First Name	Student Last Name	Student Level	
5	studentFN3	studentLN3	intermediate3	Ĩ
Student Id	Student First Name	Student Last Name	Student Level	
0				

# 2.5 Teachers View:

🐇 TBERT31	TBERT31				🕩 Signout
🛢 Courses	Teachers				new teacher
Students	Search	Search			
👱 Teachers	Instructor Id	Instructor First Name	Instructor Last Name	Instructor Summary	
	1	instructor0FN	instructor0LN	master0	Courses
	2	instructor1FN	instructor1LN	master1	Courses
	3	instructor2FN	instructor2LN	master2	Courses
	4	instructor3FN	instructor3LN	master3	Courses
	5	instructor4FN	instructor4LN	master4	Courses
	Instructor Id	Instructor First Name	Instructor Last Name	Instructor Summary	
	1 2				

### Possible actions:

2.5.1 Create Instructor		
<ul> <li>Instructor Form</li> </ul>		×
First Name Email	Last Name	Summary
Password		
		Close Save changes

#### 2.5.2 Search Instructor's Courses

<ul> <li>Instructor Courses</li> </ul>				×
Course Id	Course Name	Course Duration	Course Description	
1	Java Course0	0Hours	Java0	
2	Java Course1	1Hours	Java1	
3	Java Course2	2Hours	Java2	
4	Java Course3	3Hours	Java3	
5	Java Course4	4Hours	Java4	
Course Id	Course Name	Course Duration	Course Description	
0 1 2 3				

2.5.3 Delete instructor.

local	lhost:4200	indique		
Are yo	ou sure ?			
- 2.5.4 Search i	instructors.		ок	Annuler
Teachers				new teacher
4	Search			
5	Instructor First Name	Instructor Last Name	Instructor Summary master4	
Instructor Id	Instructor First Name	Instructor Last Name	Instructor Summary	Courses
1			,	

# 3. Student Access:

## 3.1 Student account:

- Login: student@gmail.com
- Password: 1234

#### 3.2 Accessible routes:

• <u>http://localhost:4200/student-courses/:studentId</u>

### 3.3 My-Courses View:

في TBERT31	TBERT31				<b>e</b> str	udentFN studentLN	〔→ Signout
🛱 My Courses	These are your cu	rrent subscriptions					
	Course Id	Course Name	Course Duration	Course Description	Instructor		
	1	Java Course0	0Hours	Java0	instructor0FN instructor0LN		
	Course Id	Course Name	Course Duration	Course Description	Instructor		
	1						
	Enroll In These Ne	ew Courses					
	Course Id	Course Name	Course Duration	Course Description	Instructor		
	2	Java Course1	1Hours	Java1	instructor0FN instructor0LN	Enroll In	
	3	Java Course2	2Hours	Java2	instructor0FN instructor0LN	Enroll In	
	4	Java Course3	3Hours	Java3	instructor0FN instructor0LN	Enroll In	
	5	Java Course4	4Hours	Java4	instructor0FN instructor0LN	Enroll In	
	6	Java Course5	5Hours	Java5	instructor0FN instructor0LN	Enroll In	
	Course Id	Course Name	Course Duration	Course Description	Instructor		
	123	4					

## Possible actions:

# 3.3.1 Enroll Courses

Click on the Enroll button to link these courses to your student account.

🛓 TBERT31	TBERT31				θ	studentFN studentLN	〔↔ Signo
😭 My Courses	Course Id	Course Name	Course Duration	Course Description	Instructor		
	1	Java Course0	0Hours	Java0	instructor0FN instructor0LN		
	2	Java Course1	1Hours	Java1	instructor0FN instructor0LN		
	3	Java Course2	2Hours	Java2	instructor0FN instructor0LN		
	4	Java Course3	3Hours	Java3	instructor0FN instructor0LN		
	Course Id	Course Name	Course Duration	Course Description	Instructor		
	1						
	Enroll In These Ne	w Courses					
	Course Id	Course Name	Course Duration	Course Description	Instructor		
	5	Java Course4	4Hours	Java4	instructor0FN instructor0LN	Enroll In	
	6	Java Course5	5Hours	Java5	instructor0FN instructor0LN	Enroll In	
	7	Java Course6	6Hours	Java6	instructor0FN instructor0LN	Enroll In	
	8	Java Course7	7Hours	Java7	instructor0FN instructor0LN	Enroll In	
	9	Java Course8	8Hours	Java8	instructor0FN instructor0LN	Enroll In	
	Course Id	Course Name	Course Duration	Course Description	Instructor		
	1 2 3	4					

### 4. Instructor Access:

#### 4. 1 Instructor account:

- Login: instructor0@gmail.com
- Password: 1234

#### 4.2 Accessible routes:

<u>http://localhost:4200/instructor-courses/:instructorld</u>

### 4.3 My-Courses View:

الله TBERT31	TBERT31				⊖ instructor0FN instructor0LN  [+ Signout
🗗 My Courses	These are your current cou	irses			New Course
	Course ID	Course Name	Course Duration	Course Description	
	1	Java Course0	0Hours	Java0	
	2	Java Course1	1Hours	Java1	
	3	Java Course2	2Hours	Java2	
	4	Java Course3	3Hours	Java3	
	5	Java Course4	4Hours	Java4	
	Course ID	Course Name	Course Duration	Course Description	
	1234				

#### Possible actions:

### 4.3.1 Create Course

Create a new course linked to your instructor account.

● Course Form		×
Course Name	Course Duration	Course Description
		Close Save Course

### <u>4.3.2 Update Course</u>

● Update Course Form			×
Course Id	Course Name	Course Duration	
1	Java Course0	0Hours	
Course Description			
Java0			

# 5. Data Model

v	course-platform-db courses
8	course_id : bigint(20)
3	course_description : varchar(64)
8	course_duration : varchar(45)
3	course_name : varchar(45)
	nstructor id bigint(20)



v	٥	course-platform-db students
8	stu	dent_id : bigint(20)
1	first	t_name : varchar(45)
١	last	t_name : varchar(45)
3	leve	el : varchar(64)
#	use	er_id : bigint(20)

# course-platform-db users vuser\_id : bigint(20)

email : varchar(45)
password : varchar(64)

v o course-platform-db user\_role v user\_id : bigint(20) v role\_id : bigint(20) course-platform-db instructors
instructor\_id : bigint(20)
first\_name : varchar(45)
last\_name : varchar(45)
summary : varchar(64)
user\_id : bigint(20)

v o	course-platform-db roles
a vole	e_id : bigint(20)
🛛 nar	me : varchar(45)