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Quiz APP Documentation

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Introduction :

a simple and awesome quiz app , It gives you a quick and simple test experience when teachers want to make a quiz for their students, and easy use easy used .

Demo

- <https://diagnostix-quiz-app.herokuapp.com/>

Key features:

- teacher can create new quiz and publish it
- teacher can save post and make publish later
- teacher can crud on his saved quizzes
- teacher can show his published quizzes
- student can display his subject's quizzes and try to solve it
- student can show his result after doing the quiz
- teacher and student can login or register

Selected Technologies:

- NodeJS server side Known for Offering High Performance and Easy Scalability
- express framework for making Api with middleware and dynamic views , easy routing
- ejs module for view quiz app layouts
- sequelize module for making mysql database models with relations between entities
- bootstrap4 for making my website responsive on different browsers and screens

Architecture Design :

- object Oriented architecture by NodeJS standalone programming languages

Structure of Code :

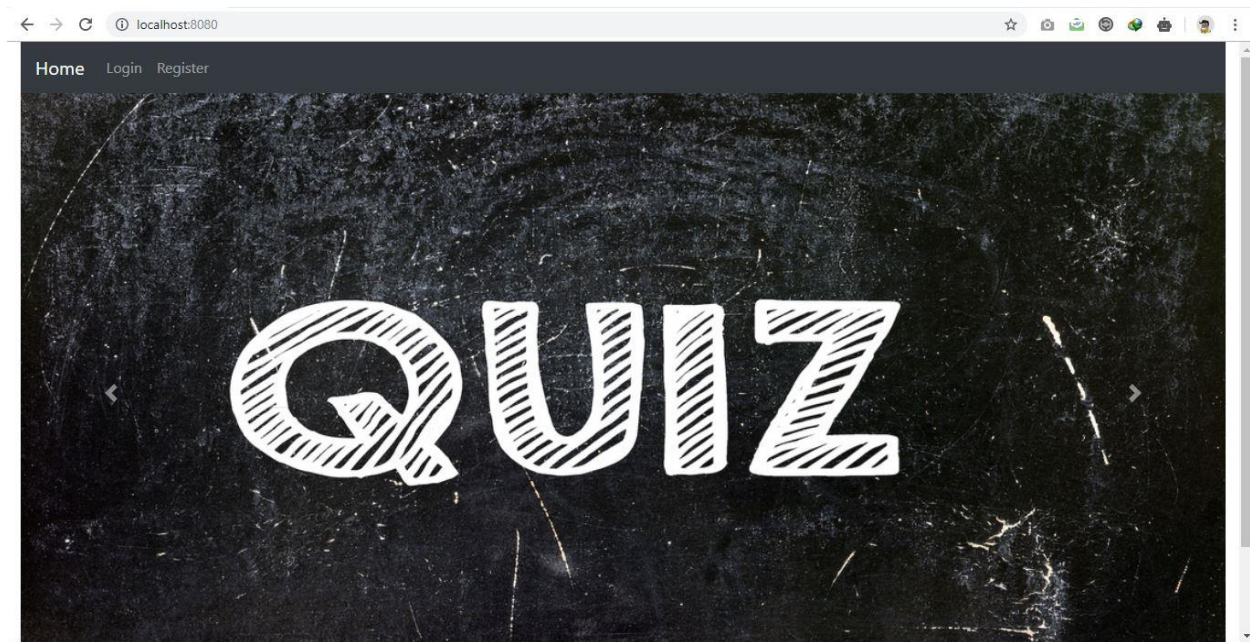
- MVC design pattern using sequelize module as model and ejs module as view ,
express framework as controller for making code organized and readable

Time Sheet :

task No.	task name	task details	period
1	database	design erd then models (tables) in database	3 hours
2	authentication	login and register using passport	6 hours
3	teacher	create teacher layouts like add,edit,show for quiz	5 hours
4	student	create student layouts like doing quiz and display result	4 hours
5	deploying	deploy project on Heroku web server and remoteMysql database	1 hours

User Guide:

*home



*register

A screenshot of the registration page of the quiz application. The browser's address bar shows 'localhost:8080/signup'. The page title is 'Register'. The form contains several input fields with validation messages: 'First Name' (Must be 3-20 characters long), 'Last Name' (Must be 3-20 characters long), 'Age', 'Email' (Must be email quiz.quiz@gmail.com), 'Password' (Must be 5-20 characters long), 'phone Number' (Must be 8-11 characters long), 'Address' (Must be 8-30 characters long), 'Gender' (a dropdown menu with 'male' selected), and 'Image' (a 'Choose File' button with the text 'No file chosen').

*login

← → ↻ ⓘ localhost:8080/login ☆ 📷 🌐 🔄 📱 🧑

Login

Email

Must be email quiz.quiz@gmail.com .

Password

Must be 5-20 characters long.

please select your type :

student ▼

Login

Need an account [Register](#)

Go Back [Home](#).

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*teacher profile

← → ↻ ⓘ localhost:8080/profile ☆ 📷 🌐 🔄 📱 🧑

Home Profile Add Quiz Published Quizes Saved Quizes Logout

My Profile

Show Published Quizes Show Saved Quizes



Welcome gamal

fullName: gamal fathy

Age : 35

Email : gamal@gmail.com

Phone Number : 01122090168

Address : gize

* teacher add quiz

localhost:8080/addQuiz

Home Profile Add Quiz Published Quizes Saved Quizes Logout

Publish Your Quick Quiz Now

Quiz Name:
Quiz Code:
Category:
Math

No.	Question	Answer1	Answer2	Answer3	Answer4	Correct	Explanation	Delete
1								
2								Delete

Add Question

Publish Now
Save

* teacher show his published quizzes

localhost:8080/getMyPublishedQuizes/0

Home Profile Add Quiz Published Quizes Saved Quizes Logout

My Published Quizes

quiz3
English Exam
Exam Code: 3333
Show Quiz

quiz2
Math Exam
Exam Code: 9988
Show Quiz

1

* teacher show his saved quizzes

The screenshot shows a web browser at localhost:8080/getMySavedQuizzes/0. The navigation bar includes links for Home, Profile, Add Quiz, Published Quizzes, Saved Quizzes, and Logout. The main heading is 'My Saved Quizzes'. Below it, a card for 'quiz1' is displayed, containing the text 'Math Exam' and 'Exam Code: 3050'. At the bottom of the card are four buttons: 'Edit' (yellow), 'Publish' (blue), 'Delete' (red), and 'Show' (green). A pagination control at the bottom shows '1' in a box.

* teacher show quiz

The screenshot shows a web browser at localhost:8080/getSingleQuiz/76. The heading is 'Quiz Details'. A box contains the following information: '#', 'Name : quiz2', 'Code : 9988', 'Category : Math', and 'Is Ready : published'. Below this, the section 'Questions :' contains a single question: '1 . what 5*3 ?' with four multiple-choice options: 'a. 16', 'b. 15', 'c. 12', and 'd. 13'. At the bottom, it states 'Correct Answer : 15'.

*teacher edit quiz

localhost:8080/getToUpdateFromSavedQuizes/75

Home Profile Add Quiz Published Quizes Saved Quizes Logout

Edit OR Publish Your Quick Quiz Now

Quiz Name: Quiz Code: Category:

No.	Question	Answer1	Answer2	Answer3	Answer4	Correct	Explanation	Delete
1	<input type="text" value="what 1+1 ?"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="3"/>	<input type="text" value="4"/>	<input type="text" value="1"/>	<input type="text" value="yees."/>	
2	<input type="text" value="what 5-3"/>	<input type="text" value="2"/>	<input type="text" value="7"/>	<input type="text" value="8"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="noo"/>	

Add Question

[Publish Now](#) [Save](#)


*user profile

localhost:8080/profile

Home Profile Try Quiz Logout

My Profile

[Try Quizes](#)



Welcome ali

fullName: ali gamal

Age : 22

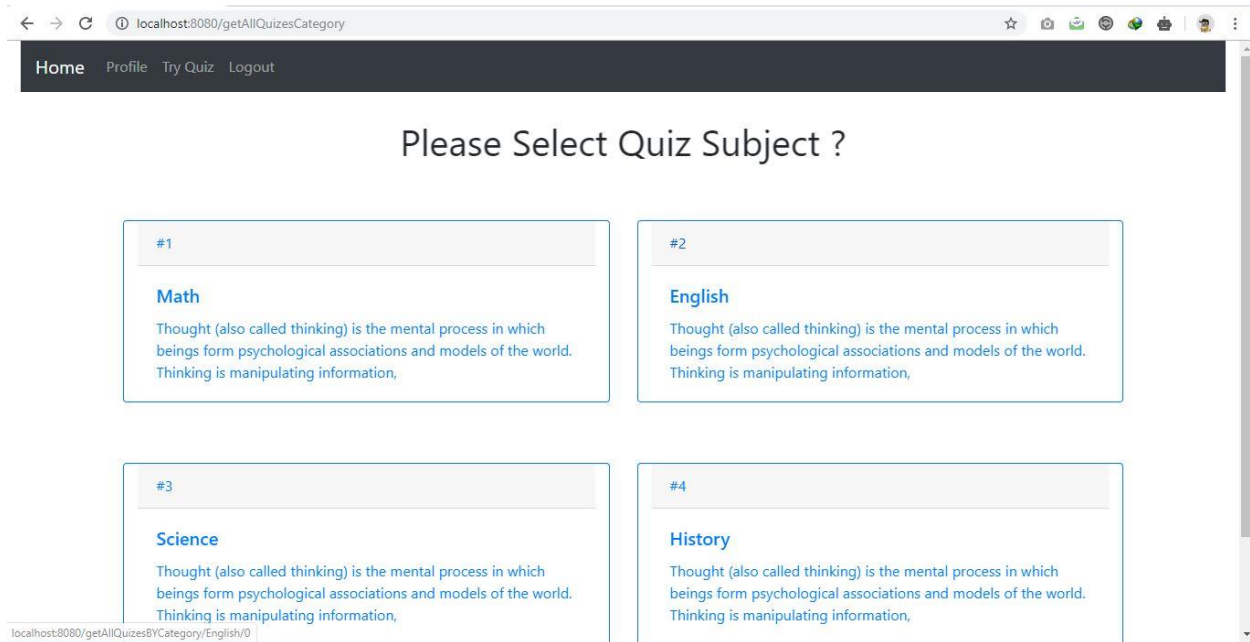
Email : ali.gamal95880@gmail.com

Phone Number : 01017431767

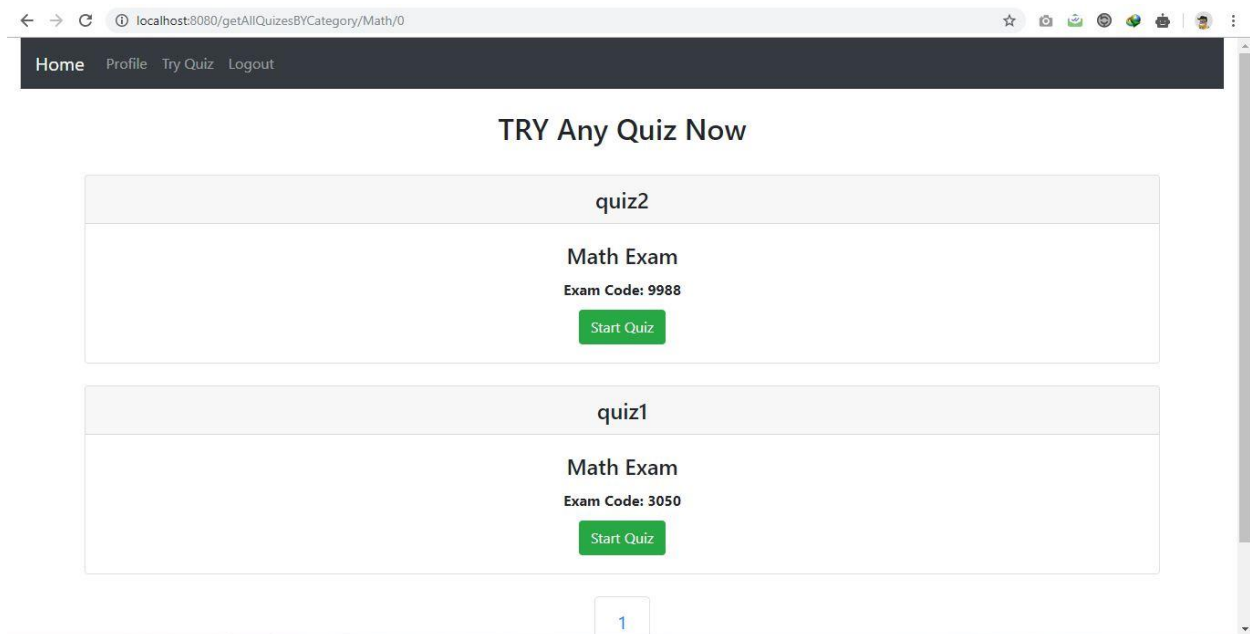
Address : assiut

Gender : male

*student subjects



*student quizzes of one subject



*student start quiz

localhost:8080/startQuiz/76

#

Name : quiz2
Code : 9988
Category : Math

0:0:11

Questions :

1 . what 5×3 ? ?

☐ 16
☐ 15
☐ 12
☐ 13

Show Quiz Result


*student result

localhost:8080/getStudentResult/76

Home Profile Try Quiz Logout

Quiz Result

Percentage
100 %



An acceptable result awesome for you
...

Incorrect Answers
0

Spent Time
0:0:39

Correct Answers
1

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*database tables

The screenshot shows the phpMyAdmin database designer interface for a database named '94B8sdwUHO'. The left sidebar displays the database structure with a tree view showing 'New', 'questions', 'quizzes', 'students', and 'teachers'. The main area displays four tables with their respective fields and data types.

Table Name	Fields
94B8sdwUHO students	<ul style="list-style-type: none"> ID : int(11) firstName : varchar(255) lastName : varchar(255) age : varchar(255) email : varchar(255) image : varchar(255) password : varchar(255) phoneNumber : varchar(255) address : varchar(255) gender : varchar(255) creationDate : datetime type : varchar(255)
94B8sdwUHO teachers	<ul style="list-style-type: none"> ID : int(11) firstName : varchar(255) lastName : varchar(255) age : varchar(255) email : varchar(255) image : varchar(255) password : varchar(255) phoneNumber : varchar(255) address : varchar(255) gender : varchar(255) creationDate : datetime type : varchar(255)
94B8sdwUHO questions	<ul style="list-style-type: none"> ID : int(11) question : varchar(255) answer1 : varchar(255) answer2 : varchar(255) answer3 : varchar(255) answer4 : varchar(255) correct : varchar(255) explanation : varchar(255) creationDate : datetime quizID : int(11)
94B8sdwUHO quizzes	<ul style="list-style-type: none"> ID : int(11) name : varchar(255) category : varchar(255) code : varchar(255) creationDate : datetime teacherID : int(11) isReady : tinyint(1)

Important links

You can follow me at:

1. Github repository: <https://github.com/Gemy95/3d-diagnostix-Task>
2. Live_website: <https://diagnostix-quiz-app.herokuapp.com/>
3. Database : <https://remotemysql.com/phpmyadmin/index.php?db=94B8sdwUHO>

Deploying :

- I used Heroku web server for hoisting my website
- I used remoteMysql for getting online MySQL database and notes:
Username: 94B8sdwUHO
Database name: 94B8sdwUHO
Password: uAs7mEAtFS

About Me

You can follow me at:

1. [Linkedin](#)
2. [Facebook](#)
3. [Github](#)