# **Programmer guide.**

# **Names:**

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# **Notes:**

According to our discussion on Sunday at 10:30, your comments are mainly about the database and we should to modified it.

We added JS and extra 2 tables, the first one for admin and his accessibilities on the system to edit all questions and answers. The second table for the HTML exam for all levels is available (all questions and answers for 3 levels are located at the same table as dr Mohamed said) and that has the relationship with the table of users.

Also, dr Mohamed told us to make one course due to the shortage of time because if I make one course it is the same for other courses.

If you want to test, please choose the HTML course.

1. Introduction: -

Our website is about learning programming languages which are python, HTML, CSS. By logging in on the website you can first select the language and also choose the level you want to start with, each language has its level (beginner, intermediate, advanced). when the user chooses the level, he can view the explanation or take the quiz, when the user chooses the view explanation it views the explanation course with the level selected also as same as quiz.

1. problem definition:

Our project aims to solve the problem of teaching programming languages and facilitates for all people to learn and practice, and that some sites do not focus on having enough and correct information and added in each level a trial exam to confirm the extent of the student's absorption.

our website helps people to learn coding easily by choosing any programming language which is HTML, CSS, Python, and choose what he wants even to view explanation or take the quiz that helps the user to know his level and to improve their language skill.

The user can return back to the explanation again if his mark in the quiz didn’t satisfy him so he can repeat the course again to make sure that he learned well. The quizzes are about complete questions and submit it and saved at the database. The stakeholders who involved in this software system not only users also there are admins to edit on the questions of each level and the answers to these questions. Admins logged into the system with different login form of users.

1. Project’s functionality:

Our website provides each user who wants to learn one or more than one programming language like (HTML, CSS, PYTHON) carefully so each user can have his own account to be registered with his name and email, and password to track his progress in learning and to know his level and can examine himself after every course and that helps him to improve his skills in details in every language.

1. Technical functionality:

There is much technical functionality in our website that there are sign up forms in the beginning that the user must fill in by his name, email, password, and phone no. and if it is not filled up it will stay on the same page until the user fill it and register for the account so it connected by the database to save in it all the data that related by this user to lit him login every time by email and password only by returning back to the database and search for the name as same as for admin login. Our database is saving all data about the courses which is presented on web and all its questions and answers for each level for each course. The admins only have the access to edit (insert, update, delete) questions and answers by entering sql code. We used the java script to make the web behave better.

1. ERD Diagram:

