Under-Graduation Project Proposal

## **Project Supervisor: Eng. Nawal Ameen Al-Zaben**

## **Department of Electrical Engineering**

## **Specialization: Computer and Networks Engineering**

**Semester/Academic Year: summer / 2022-2023**

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**Project Title:**

**IntelliGym Website & Application**

**Specific Objective**

To provide many gyms, especially those who do not stay in one place for a long period of time, such as travelers, tourists, and people whose jobs require them to travel frequently.

To allow users to pay by smartphone and pay a fee based on the amount of time you spent in the gym.

Numerous reminders to help users stay on track, such as reminders to go to the gym, end a session if they forget, or even top up if they don't have enough credits left.

To offer interactive features, such as also view and connect with trainers, nutritionists, and gyms posts.

To allow users to easily search for places to go to gyms nearby him.

**General Approach**

* Firstly, we will learn Figma, flutter and firebase and reactjs , JavaScript .
* Secondly, we will take feedback from a similar project.
* Then, we will design the initial design of the project using Figma.
* Then, we will start developing the front-end interface using flutter for app, using (Html , CSS , JavaScript , reactjs ) for website.
* After that, we will start to initiate the back end using firebase, and then connect our flutter app and websites with the database.
* And finally, we must test the application to ensure that everything works properly.

**Design/Analysis Tools and Methods**

## Figma

1. Flutter
2. Fire base
3. VScode
4. android studio
5. Flutter packages
6. MySQL
7. Browser

**Expected Project Deliverable**

Fully functional mobile or web application with user-friendly interface and features such as search functionality, rate categories, favorites list.

Comprehensive database with a wide range of gyms, trainers, and nutritionists.

User feedback and rating system to help improve the app and provide users with the best experience.

Robust backend infrastructure that ensures secure storage of user data, , and scalability to handle increasing user traffic.

Overall, the expected project deliverables for an app and website should meet the needs of its target users, providing excellent user experience.

**Time Schedule**

## Project I:

|  |  |
| --- | --- |
| **Duration** | **Tasks** |
| 1 month | Learning |
| 2 weeks | Design the idea + Learning |
| 2 weeks | Develop alpha copy + Learning |

## Project II**:**

|  |  |
| --- | --- |
| **Duration** | **Tasks** |
| 1 month | Develop beta copy |
| 2 weeks | Test the app |
| 1 month | Develop the full app and publish |

## 

**Signature**

## **Supervisor**

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