Registration Information - Winter 2023

Fill out all the required information according to the instructions . Make sure you specify the details for the 3 parts. Please get your advisor's approval for this document:

Project  details

Title (up to 10 words):

Life-style builder

First advisor's full name:

Zakharia Frenkel

First advisor's email address:

zfrenkel1@gmail.com

Category:

Development

Explain the project's category in a few sentences (i.e., why it is a research/development project).

The project is a development project. It combines the development of a client and a server side, provides a multifunctional user interface, monitoring of the patient data, and communication with doctors.

Keywords (separated by commas):

Web application, cloud services, Client server, Database management

Student 1 – ID:

206217606

Student 1 - full name

Shahar Almog

Student 1 - email address

[Shakhariko3@gmail.com](mailto:Shakhariko3@gmail.com)

Student 2 - ID

315687442

Student 2 - full name

Yehonatan Ben Shitrit

Student 2 - email address

[yonibsh1345@gmail.com](mailto:yonibsh1345@gmail.com)

 Link to git Repository:

<https://github.com/yonibsh145/Healthy-life-style-supported-by-doctors>

- General description of the problem

The healthy life style programs are very popular now. People want to lose weight, prevent from diabetes or simply feel good. Such programs collect information about users, connect them with specialist and have many other activities. But most of the existing tools are directed toward the patient usage. There are no robust tools for doctors or other healthy life style specialists, which help to build and to manage such programs.

- Main tools that will be used for solving the problems

Will use cloud service to manage the web application, develop the application with react for the front-end, and NodeJS & MongoDB for the back-end.

The data mining services will be provided by implication of python cores, using for responding libraries.

- Planned working process during the first semester

We are going to build a web application; we are the users will be able to manually build life-style programs by connection of elementary actions taken from the correspondent library.  
These programs will appear at the patient side as a set of daily commands requiring some actions and reporting.  
In the first semester we are going to:

1. Investigation of the available tools for communication between doctors and patients.
2. Learning of the new technologies (such as react, NodeJS).
3. Development of detailed functionality of the builder and user-friendly GUI.
4. Development of the architecture and classes of the application.

- Product of the work of the first semester

1. Detailed description of functionality of the builder, user-friendly GUI.
2. Architecture and classes of the application.
3. Our book will include introduction of the problem, how we intend to solve it