# Handing Over Information

## Premliminary Information - Code repositories:

1. Frontend: https://github.com/LGP-FEUP-2024/SC24
2. Backend: https://github.com/xavi-999/lowkcal-server The backend might be protected (private but in case access is needed please send an request through github directly or via email to: up202308719@edu.fe.up.pt)

This document includes all the information regarding the installation of the LowKcal web app so that another development team can pick up the work after the project handing over process.

## 1. Product Installation

To install the LowKcal web app we have several options:

1. Installing it locally: (run on a computer locally) - requires the most effort because we need to setup the local frontend and backend
2. accessing the web app on our web server: simply accessing the web app from our computer or smartphone (recommended), because the web app is not responsive yet (not responsive to screen other than the commin screenwidths of smartphones)

### 1.1 Local Installation of the frontend (requires a computer)

**Setup**

We need to make sure that we have Node.js version 18+, 20+ installed. As the LTS version of node.js should be enough we need to download it here: https://nodejs.org/en/download Vite requires Node.js version 18+. 20+. If you have another version installed please upgrade if your package manager warns about it. In order to run the web app we need to:

1. Clone the repository (https://github.com/LGP-FEUP-2024/SC24.git) by opening a terminal of your choice and run:

```
git clone https://github.com/LGP-FEUP-2024/SC24.git
```

This will install the contents from the github repository 3. In the terminal change the directory to the newly created folder by running:
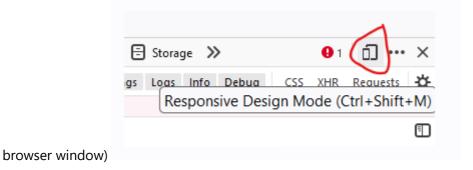
```
cd lowkcal-frontend
```

4. and install the dependencies that are necessary by running:

```
npm i
```

3. After that you can run the development server

```
npm run dev
```

4. Inspect your terminal ouput and open http://localhost:5173/ in your web browser of choice where you should be able to access the web app. (Hit F12 to run the developer options and click on the Responsive Design Mode button to show the app layout as a Smartphone inside the computers



browser window)

## 1.2 Local Installation of the backend (also requires a computer)

**Setup**

For the backend to be setup we need to install python from https://www.python.org/downloads/ - we can verify that it works for sure with Python version 3.12.0 so please select this version for the Download and install it. After that we need to set the Path of our Python installation in the environment variables. For Mac we can follow these instructions: To set the python environment variable PYTHONPATH on Mac, follow the given steps:

Step 1: Open the Terminal.

Step 2: In your text editor, open the ~/.bash_profile file. For example: atom ~/.bash_profile;

Step 3: To this file, add the following line at the bottom:

export PYTHONPATH="/Users/my_user/code"

Step 4: Save this text editor file.

Step 5: Close the terminal.

Step 6: Restart the terminal. You can now read the new settings.

Type: echo $PYTHONPATH

It would show something like /Users/my_user/code. That is it. PYTHONPATH is set. (For more information please visit this website here: https://www.simplilearn.com/tutorials/python-tutorial/python-path where the instructions where taken from and there are also the Path setting instructions for Linux and Windows machines)

1. Now that we have python installed and set our path we can clone the repository of the LowKcal backend: by opening a terminal and running:

```
git clone https://github.com/xavi-999/lowkcal-server.git
```

2. After that we need to change the directory and install the dependencies by running:

```
cd lowkcal-server
```

Now that we are inside the project we need to run:

```
pip3 install django

pip3 install -r requirements.txt

python3 manage.py migrate
```

**Alternative:** In case this doesn't work, we need to create a virtual environment by running:

```
python3 -m venv venv
```

We now need to activate the virtual environment by running:

**For Windows type:**

```
.\venv\Scripts\activate
```

into the terminal.

**For Mac or Linux:**

```
source venv/bin/activate
```

After activating the environment we need to repeat the Step 2 (installation of dependencies)

## Run the server

We now can the server by executing the following command:

```
python3 manage.py runserver
```

This will run the server and the following url will be accessible

```
http://127.0.0.1:8000/admin/
```

We now have a locally running backend, that is needed to communicate with our local frontend.

## 2. Access through our production servers

For convenience we have setup a production server for both:

1. The frontend (accessible here: lowkcal-frontend)
2. The backend (accessible here: lowkcal-backend) You simply need to open the frontend url in your smartphones webbrowser and can start using the app.