Calorie Tracker and Weight Predictor
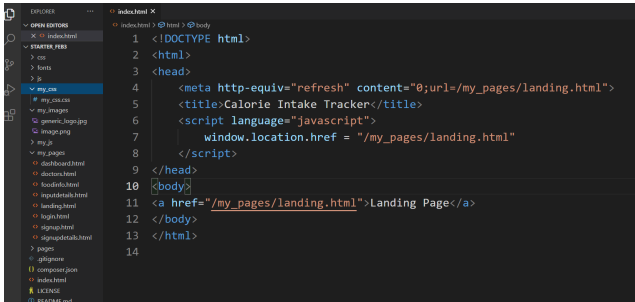
Tek Subedi ID: 0869016
Mehdi Lamouchi ID: 0651354
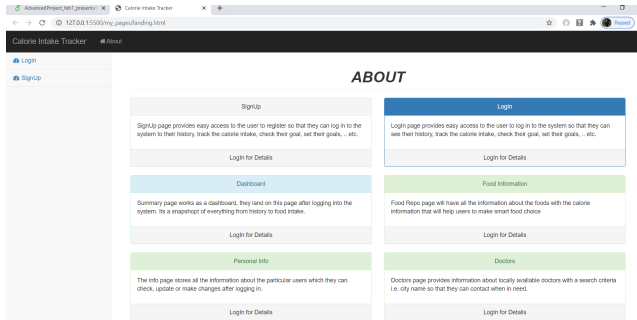Anukaran Kathuria ID: 1158323

Advanced Project in Health Informatics
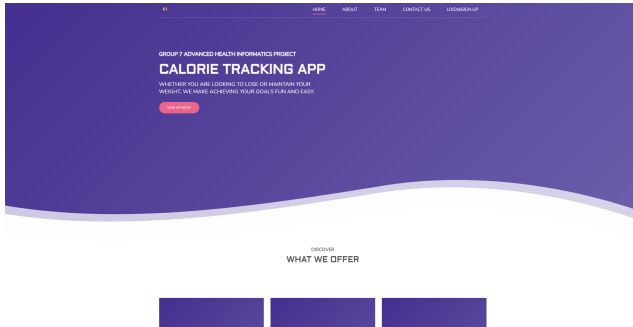
February 9, 2021

Slide 1

Slide 2

Slide 3

Slide 4

DISCOVER
WHAT WE OFFER

GOAL SETTING

Generate your goal based on your current body measurements

WATER INTAKE

Keep track of your water intake throughout the day

CALORIE TRACKING

Decide which foods to eat by checking a huge list of products with their calories

DOCTORS AROUND

BRINGING DIVERSITY

CALORIES BURNED TRACKING

Slide 5

TEK SUBEDI

4th year Computer Science
Student from Lakehead
University - Thunder Bay,
ON, Canada
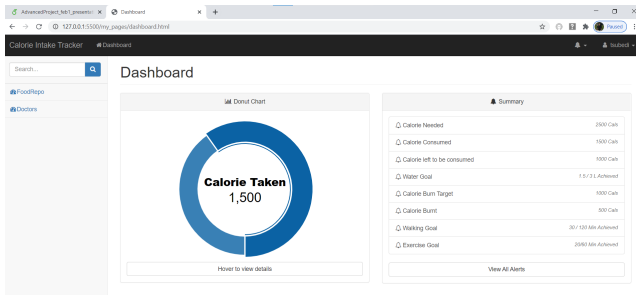
ANUKARAN KATHURA

4th year Computer Science
Student from Lakehead
University - Thunder Bay,
ON, Canada

MEHDI LAMOUCHI

4th year Computer Science
Student from Lakehead
University - Thunder Bay,
ON, Canada

CONTACT US

Lakehead University - 955 Oliver Road, Thunder Bay, ON, P7B5E1

Slide 6

Slide 7

Slide 8

Slide 9

Slide 10

```sql
Create Table users(
  id int PRIMARY KEY AUTO_INCREMENT,
  createdAt datetime,
  lastUpdated datetime,
  userName varchar(255) not null,
  password varchar(255) not null);

CREATE TABLE `userInfo` (
  `userId` int(11) NOT NULL,
  `firstName` varchar(255) NOT NULL,
  `lastName` varchar(255) NOT NULL,
  `weight` double DEFAULT NULL,
  `height` int(11) DEFAULT NULL,
  `goal` varchar(255) DEFAULT NULL,
  `contact` varchar(20) DEFAULT NULL,
  `email` varchar(50) DEFAULT NULL,
  KEY `userId` (`userId`),
  CONSTRAINT `userinfo_ibfk_1` FOREIGN KEY (`userId`) REFERENCES `users` (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

Create Table activity(
  id int PRIMARY KEY AUTO_INCREMENT,
  name varchar(255) not null
);

Create Table activityHistory (
  activityId int not null,
  userId int not null,
  caloriesBurnt int,
  duration time,
  date date

);
```

Slide 12

```sql
ALTER TABLE userInfo
ADD FOREIGN KEY (userId) REFERENCES users(id);

ALTER TABLE activityHistory
ADD FOREIGN KEY (activityId) REFERENCES activity(id);

ALTER TABLE foodHistory
ADD FOREIGN KEY (userId) REFERENCES users(id),
ADD FOREIGN KEY (foodId) REFERENCES food(id);

ALTER TABLE calorytracking
ADD FOREIGN KEY (userId) REFERENCES users(id);

ALTER TABLE apisettings
ADD FOREIGN KEY (userId) REFERENCES users(id),
ADD FOREIGN KEY (apiId) REFERENCES apiList(id);

Create Table food (
  id int PRIMARY KEY AUTO_INCREMENT,
  name  varchar(255) ,
  calories int
);

Create Table foodHistory(
  userId int,
  foodId int,
  quantity int,
  date datetime
);

Create Table caloryTracking(
 userId int,
 burnt int,
 taken int,
 suggested int
);

create table apiList(
id int PRIMARY KEY AUTO_INCREMENT,
name varchar(255)
);
```

Work Distribution

- Group: Discussion and research on the subtopics, such as Node.js, firebase, adminlte, etc.
- Anukaran : Worked on the backend, preparing the database and the different api's needed for calls later on.
- Tek: Used the AdminLte template and designed all the pages including login, signup, ... and presented to group and login and landing pages were not used for final presentation.
- Mehdi: Developed the landing pages and those related to explaining the product and team members, used firebase to register users and authenticate their credentials.

Slide 14

Suggestions Received

- Suggested to speed up the work.