**1) LOGIN**

* URL: <http://127.0.0.1:8000/api/login/>
* Request: POST
* Input: email and password in the below format
* Json = {

    "email": "abc@xyz.pk",

    "password": "\*\*\*\*\*\*"

}

* output: id, state and message in the below format
* CONDITION 1: (If user/password are wrong) – Display the error message “wrong email/pass”
* Response = {

     "state": 0,

     "message": "Wrong Username/Password"

}

* CONDITION 2: (If Account is disabled) – Display the error message “account disabled”
* Response = {

    "state": -1,

    "message": "Account has been disabled by an admin"

}

* CONDITION 3: (login success – Ask for height and weight). If message “register” is received then redirect user to height and weight form.
* Response = {

    "id": "mem1",

    "state": 1,

    "message": "register"

}

* CONDITION 4: (login success – Go to Home Screen). If message “login” is received then redirect user to home screen.
* Response = {

    "id": "mem1",

    "state": 1,

    "message": "login"

}

**2) HEIGHT AND WEIGHT FORM**

* URL: <http://127.0.0.1:8000/api/putmeasurements/>
* Request: POST
* Input: id, height and weight. Height and weight must be numbers but converted to string and height variable must contain two number separated by a COMMA
* Json = {

    "id": "mem1",

    "height": "5,9",

    "weight": "77"

}

* output: state and message variables in below format
* CONDITION 1: (If user id is wrong)
* Response = {

     "message": "can’t locate user"

}

* CONDITION 2: (user exists but updation fails) – state variable will be returned with Value 0
* Response = {

    "state": 0,

}

* CONDITION 3: (user exists and updation successfully occurs) – state variable will be with Value 1
* Response = {

    "state": 1,

}

**3) HOMESCREEN**

* URL: <http://127.0.0.1:8000/api/homescreen/>
* Request: POST
* Input: id and day of the week eg: “monday” etc. for fetching diet and workout routine for that specific day along with user details.
* Json = {

    "id": "mem1",

    "day": "monday",

}

* output: state and user information in below format
* CONDITION 1: (If user id is wrong)
* Response = {

     "message": "can’t locate user"

}

* CONDITION 2: (user is located) - then a response will be returned containing user information and routine/diet data for that specific date.

**NOTE: if user is not following any routine or diet then value 0 bill be returned instead, example “routine”: 0 or “diet”: 0 like below.**

* Response = {

     "id": "mem1",

     "name": "Mr. XYZ",

     "contact": "03\*\*\*\*\*\*\*\*1",

     "email": "email",

     "address": "user address",

     "dob": "1994-10-02",

     "height": "10,10",

     "weight": "77",

     "image": "base64 string",

"routine": 0, //if user is not following any routines

"diet: 0 //if user is not following any routines

}

**Otherwise Diet and Routine Data will also be returned along with user information in the below format.**

* Response = {

     "id": "mem1",

     "name": "Mr. XYZ",

     "contact": "03\*\*\*\*\*\*\*\*1",

     "email": "email",

     "address": "user address",

     "dob": "1994-10-02",

     "height": "10,10",

     "weight": "77",

     "image": "base64 string",

"routine": {

         "ex1": {

             "exercise": "exr1",

             "sets": "3",

             "reps": "12",

             "notes": "a description about exercise",

             "name": "Bench Press",

             "image": "base64 image of exercise"

},

……

……

"exn": {

             "exercise": "exrn",

             "sets": "3",

             "reps": "12",

             "notes": "a description about nth exercise",

             "name": "nth exercise name",

             "image": "base64 image of nth exercise"

}

},

"diet": {

         "Meal 1": {

             "name": "Meal 1",

             "meal": "3 boiled eggs and blab la bla",

             "time": "09:00"

},

……

……

"Meal n": {

             "name": "Meal n",

             "meal": "nth meal description",

             "time": "14:00"

}

}

}

**The diet and routine data are just for that specific day that is mentioned in the request in json. If no routine or diet exists for that day then 0 will be returned**

**4) USER DIET**

* URL: [http://127.0.0.1:8000/api/userdiet/](http://127.0.0.1:8000/api/homescreen/)
* Request: POST
* Input: id of user
* Json = {

    "id": "mem1"

}

* output: JSON of user diet for all days Monday - Sunday
* CONDITION 1: (If user is not following any diet)
* Response = {

     "diet": 0

}

* CONDITION 2: (if user is following a diet) – then a json with following objects will be returned
* Response = {

"monday": {

         "Meal 1": {

             "name": "Meal 1",

             "meal": "3 boiled eggs and blab la bla",

             "time": "09:00"

},

……

……

"Meal n": {

             "name": "Meal n",

             "meal": "nth meal description for monday",

             "time": "14:00"

}

},

…. Rest of the days here just like above with keys “lowercase day name”

"sunday": {

         // Sunday meal details in above format

}

}

**5) USER ROUTINE**

* URL: <http://127.0.0.1:8000/api/userroutine/>
* Request: POST
* Input: id of user
* Json = {

    "id": "mem1"

}

* output: JSON of user routine for all days Monday - Sunday
* CONDITION 1: (If user is not following any routine)
* Response = {

     "diet": 0

}

* CONDITION 2: (if user is following a routine) – then a json with following objects will be returned
* Response = {

"monday": {

         "ex1": {

             "exercise": "exr1",

             "sets": "3",

             "reps": "12",

             "notes": "a description about exercise",

             "name": "Bench Press",

             "image": "base64 image of exercise"

},

……

……

"exn": {

             "exercise": "exrn",

             "sets": "3",

             "reps": "12",

             "notes": "description about nth exercise for monday",

             "name": "nth exercise name",

             "image": "base64 image of nth exercise"

}

},

…. Rest of the days here just like above with keys “lowercase day name”

"sunday": {

         // Sunday exercise details in above format

}

}