**Instruction**

List out all your tasks in summary in “TechincalReview\_Template\_01\_Summary”.

Provide the screenshots and description on features (in details) you have implemented and how it works.

Highlight any distinctive and complex implementation or features which you think can score higher marks to your tutor here. Tutor will verify and ask questions during your technical review

#### Student Details

Module Group: IT2666-02

Project Team Name: Gym Pod

Student Name: Olfsen Valones

Student Admin No: 220274X

#### Gym Pod Admin Dashboard and Application

#### Description:

The Gym Pod Dashboard and Application allows for valid admins to create accounts and login to do administrative tasks like viewing all users and tagging registered users to an RFID. It also allows them to view the temperature of the Gym Pod in real time to have a better understanding of the temperature inside it at different times during the day.

#### Register Admin

A screenshot of a login form

Description automatically generated

**Purpose:**

The feature is used for administrator to create an account to access features of the Admin Page

**How it works:**

* Click the ‘Register’ button in the Login Page
* Enter credentials for a new Admin Account
* Account must be unique before successful registration
* Email and Password must meet format requirements to be validated

#### Admin Login

A screenshot of a login box

Description automatically generated  
**Purpose:**

After registration, a valid Admin account would enter their credentials to access the Admin Page

**How it works:**

* Valid username and password is required
* Error prompt when incorrect input is entered

#### View All Registered Users

A screenshot of a computer

Description automatically generated

**Purpose:**

To view all registered users in the application and see if they have an RFID assigned to them

**How it works:**

* Click on ‘Tag User’ button after logging in with valid Admin account
* Table is created when loaded

#### Tag RFID to Registered Users

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Purpose:**

To assign the registered user their own RFID so that they can use the Gym Pod

**How it works:**

* Click on ‘Tag User’ tab page beside ‘View Users’
* Tap the RFID onto the Raspberry Pi
* RFID will show up in the RFID text box
* Enter the user’s username and email to tag them

#### Graph Temperature Chart (Real-Time)

A screen shot of a graph

Description automatically generated

**Purpose:**

To view the temperature of the Gym Pod in real time

**How it works:**

* Click on ‘Dashboard’ button
* Raspberry Pi hardware will begin sending temperature information to the winform
* Temperature data will plot out the chart in real time