Assignment 2

Mobile Application Development

(PROG8235)

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Fitness Application

Welcome to our Fitness Application!

We have created IOS application called Fitness for tracking one’s day calories and how much water you should drink according to your weight and what’s ideal weight by seeing one’s height and age.

We have created 6 screens for providing all these functionalities which are described below with screen captures.

A screenshot of a cell phone

Description automatically generated

1)This is our main page which shows all categorized functionality such as Meal Log, Daily Water Intake Calculator, and Ideal Weight Calculator. Also, if you want to create your profile you can click on you profile and create your profile.

A screenshot of a cell phone

Description automatically generatedIn this screen we have implemented the table view. Can add and delete the entries

Figure - Shows the Meal log

A screenshot of a cell phone

Description automatically generated The screen that adds the new meal item. You can save or press enter to save the item

Figure - Adding new meal

A screenshot of a cell phone

Description automatically generated

Figure - Meal list after adding

A screenshot of a cell phone

Description automatically generateddeleting the meal item by swiping on the table view item

Figure - Option to delete meal items

A screenshot of a cell phone

Description automatically generated

Figure - After deletion

A screenshot of a cell phone

Description automatically generated Water intake calculator – You can calculate the amount of water you should drink by entering the body weight in lbs and entering the minutes of exercise that you do daily. The result is in ounces.

Figure - Water intake calculator

A screenshot of a cell phone

Description automatically generated

Figure - Water Intake Calculator result

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Description automatically generatedIdeal Weight Calculator – Calculating the weight by entering the height in cms and age. The result is in kilograms

Figure - Ideal weight calculator

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Profile page – The text fields are disabled. Can edit by clicking the edit button. Then the save button will appear

Figure - Profile Edit

A screenshot of a cell phone

Description automatically generated

Figure - Profile Save

**Summary:**

We have used several widgets during this assignment and saved data locally using UserDefaults.

* UIImageView
* UITextView
* Label
* UITextField
* Button
* Bar Button**Work Distribution: (Team status report)**

**Kavitha Vijayan**

* Project implementation and integration
* TableView implementation
* Local storage management
* Profile screen logic
* Error handling

**Sonal Chauhan**

* Stack View of Profile screen
* Add Meal screen
* Testing
* Documentation

**Surbhi**

* Ideal weight calculator page
* Documentation.

**Rajwinder**

* Daily Water Intake page
* Keyboard and gestures recognizers
* Navigation controller