PROG39402 deliverable

*Project Proposal & Setup*

Date of submission : 2022-11-23

Project Name : Workout Android Final Project

Sheridan College – Software Development and Network Engineering

Group – 13

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Group Members

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# Introduction to the Document

This document has been prepared as a requirement for the PROG39402 final project deliverable. In this document we will be discussing about our proposed system.

1. Project : Workout Android Final Project

## Introduction

As a final project submission we were given a case study which describes about the requirements of building an application on Android platform. The motive behind creating such application is keep the users healthy. The application will have several features and separate modules which we will discussed in a later section in the document.

## Services & Features

The application will have the following modules and features

|  |  |  |
| --- | --- | --- |
| Workout Module | Diet Module | Database Module |

|  |  |
| --- | --- |
| User can set workout and diet goals | User will be able to edit entry |
| User can view the goal summary |  |
| User will set available times for exercise | System will be able to store new & modified data in the db |
| User will set times for meal | System will be able to retrieve info from db |
| User can browse through the list of exercise | System will be able to load a webpage |
| User can browse through the list of meals | System will be sending out reminders to the user outside the application |
| User can browse for more workout routines in the web | System will remind of remaining calories |
| User can enter workout or meals manually | System will remind to workout |

## Team Members & Work Distribution

For this project we were divided into teams of two

|  |  |
| --- | --- |
| Varghese Eldhose 991588959 | Exercise Module, Testing |
| Zawad Hossain 991583646 | Documentation, System architecture diagrams,  Diet module |

## Proposed System Architecture

## Network Diagram

Diagram

Description automatically generated

Fig : Network Diagram

## Textual Analysis

![Graphical user interface, text, application, table

Description automatically generated]()

Fig : Textual Analysis

## Use Case UML Diagram

![Diagram

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Fig : Use case diagram

## Sequence Diagram

![Diagram

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Fig: Sequence Diagram part a

![Graphical user interface

Description automatically generated with medium confidence]()

Fig : Sequence Diagram part b

![Diagram

Description automatically generated]()

Fig : Sequence Diagram part c

![Graphical user interface

Description automatically generated with low confidence]()

Fig : Sequence Diagram part d

## Low Level Wireframe

Diagram

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Fig : Application wirefame pages

Graphical user interface

Description automatically generatedDiagram

Description automatically generated with medium confidenceShape

Description automatically generated Graphical user interface, application, Word

Description automatically generated  
Fig : Summary dashboard, web component, settings and reminder toast wireframe

Graphical user interface

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Graphical user interface, diagram

Description automatically generated A picture containing text, electronics

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Fig : Workout module wireframes

Diagram

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Fig : Diet module wireframes