

University of Iceland

HBV601G - Software Project 2

Team 16

Assignment 1: Project Plan and Requirements

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1 Project Vision

1 Business Requirements

1.3 Business Objectives

Our primary business objective is to make an application sufficient enough to draw in a group of satisfied monthly users and capture a strong market share in the workout companion app space. Having a good core of happy user allows us opportunities to make future plans in terms of revenue, in which we haven't decided yet.

1.5 Vision Statement

Our vision is to make working out

For people

who want their workouts to be as efficient as possible.

The SportDemon app

is a workout and exercise planner and companion

that will provide the user with a definitive, customizable and fun workout plan and help them execute their workout and track long term progress:

- SportDemon will offer a great variety of workouts and exercises.
- It will allow users to keep track of their current workout; the time or amount of current exercise and rests in between them, among other useful tools.
- It will allow the users to modify the workouts to their own liking, by adding or removing exercises and use previous results to plan their future workouts.
- The app keeps a fun journal of results, with a choice of a photo attached.

Unlike other workout planners

our product offers a great variety of workouts and exercises which are easy to maneuver so it can be used by both beginners and experts. It has a variety of easy tools to keep you focused on the exercise at hand and has the option to keep track of your fitness progress by having a journal of the workouts you finished.

2 Scope and Limitations

2.2 Scope of Initial Release

Our plan is to roll out a product that provides the user with a workout planner, a tracker when executing a workout and a basic journal to view past workout results.

2 Project backlog

User Stories

Account Management

As a user

I want to be able to create and login into an account
so that I can keep my info and data persistent across devices and always backed up

Add a New Exercise

As a user

I want to be able to add/create a new exercise and put it on my list
so that I can use it to create my workout plan

Create a Workout Plan

As a user

I want to be able to put together a workout plan using exercises on the app
so I can have a variety of workout plans to choose and execute

Workout Tracker

As a user

I want to keep a tracker on my workout
so that my workout is efficient

Skip Exercise

As a user

I want to be able to skip an exercise on my workout tracker
so that if I finish early or want to skip the exercise, my timer can immediately start the next phase

Save Workout Result

As a user

I want to be able to save the data results of my workout
so that I can record and look back on my workout progress in the future

Workout Photo

As a user

I want to be able to take a photo after my workout
so that I can record a memory of my workout to look back on in the future and possibly share with other people

Workout Journal

As a user

I want to be able to view my collection of workout results in a journal
so that I can look back on a specific workout or as a whole and have memories of my hard work

Edit a Workout

As a user

I want to be able to edit my existing workout plans
so that I can change my workout according to my needs

Filters

As a user

I want to be able to filter my exercises and workout plans
so that I can easily create an efficient workout plan to hit a certain muscle group or use specific equipment, among other things

Searchbar

As a user

I want to be able to search through my created workout plans
so that I can easily find the workout I want to do

Dark Mode

As a user

I want to be able to choose between light and dark UI
so that I can customize the app to my liking

View Exercise Details

As a user

I want to be able to view details on how to perform an exercise
so that I can learn and properly do exercises to improve my workouts

Incrementation of Exercises

As a user

I want to be able to quickly increment the weights used in my exercises
so that I can steadily improve myself and easily change my exercise difficulty

Share Results

As a user

I want to be able to share my workouts and progress with other users on a feed
so that I can feel accomplished and show my friends my workout feats

Subscribe To a Trainer

As a user

I want to be able to subscribe to a personal trainer or coach that will give me a workout plan for my needs
so that I can make sure to be doing an efficient workout in case I don't have great workout knowledge

3 User Story Estimates

Selection of user stories we picked for our sprints.

User Stories have been placed into one of five sprints.

User Story Priority goes from 1 - highest to 5 - lowest.

Best, Most Likely, Worst and Expected are the amount of work hours estimated in those cases.

User Story	Sprint #	Priority	Best	Most Likely	Worst	Expected
Account Management	1	1	8	12	20	14
Add a New Exercise	1	1	10	12	18	14
Create a Workout Plan	2	1	6	8	12	9
Workout Tracker	2	2	12	16	24	18
Skip Exercise	2	2	3	8	10	8
Save Workout Result	3	2	5	8	12	9
Workout Photo	3	3	10	16	22	17
Workout Journal	3	3	5	8	14	10
Edit a Workout	4	3	6	10	16	12
Filters	4	4	4	6	12	8
Searchbar	4	4	4	6	12	8
Dark Mode	5	5	4	10	15	11
View Exercise Details	5	5	4	8	14	10
Incrementation	5	5	2	6	12	8

4 Project Schedule

Week	Date (from)	Date (to)	Project	Assignment	Presentation	Sprint	Milestone
1	2023-01-09	2023-01-15	Requirements			0	
2	2023-01-16	2023-01-22	Requirements			0	
3	2023-01-23	2023-01-29	Requirements	#1		0	Outline of the project
4	2023-01-30	2023-02-05	Requirements		#1	1	
5	2023-02-06	2023-02-12	Design/Core			1	
6	2023-02-13	2023-02-19	Design/Core	#2		1	Working UI, basic user management, list of exercises
7	2023-02-20	2023-02-26	Design/Core		#2	2	
8	2023-02-27	2023-03-05	Programming			2	
9	2023-03-06	2023-03-12	Programming	#3		2	Execute a workout plan with a tracker
10	2023-03-13	2023-03-19	Programming		#3	3	
11	2023-03-20	2023-03-26	Programming			3	
12	2023-03-27	2023-04-02	Programming	#4		3	Save workout result, with a photo, and be able to look over them in a journal
13	2023-04-03	2023-04-09	Programming		#4	4	
14	2023-04-10	2023-04-16	Programming			4	
15	2023-04-17	2023-04-23	Programming	#5		4	Search and filter exercises and workouts, upgraded UI with light/dark mode
16	2023-04-24	2023-04-30	Final Presentation		#5		