**Project Plan**

***Gyrnal***

*Ivan Marinchev*

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# Project assignment

## Context

Keeping track of one’s workouts diet has been proven to increase progress faster than when not recorded. If only there was a user-friendly application that could help people keep a record of the sets and reps they did every time they went to the gym or the food they ate at lunch.Here lays the root of my idea.

## Goal of the project

Create an application that can help people keep track of their workouts and diet, which will eventually lead to faster progress. Allow the user to choose from a wide variety of exercies and food to recored when needed. Give the user statistics of his/her workouts and nutrition in order to make changes if necessary and keep track of progress.

## Scope and preconditions

|  |  |
| --- | --- |
| **Inside scope:** | **Outside scope:** |
| 1. Ability to record workouts | 1. Faster progress |
| 1. Ability to record diet |  |

## Strategy

I have decided to use the scrum framework because I am already familiar with it from our previous experiences. I believe that working in short sprints and separating the work into a lot of separate tasks is the most optimal way to work.

## End products

## Application

## Project plan

## Test report

## UML diagram

## Database design

1. Wireframes



# Project organisation

## Stakeholders and team members

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Abbreviation** | **Role and functions** | **Availability** |
| *Ivan Marinchev* | *Ivan* | *Developer and Student* | *Available each sprint, 3 hours/day excluding lectures time frames.* |

# Activities and time plan

## Phases of the project

The phases of the project are represented by 6 sprints of 3 weeks each with the final product supposed to be ready by the end of the sixth sprint.

## Time plan and milestones

|  |  |  |  |
| --- | --- | --- | --- |
| **Phasing** | **Effort** | **Start date** | **Finish date** |
| 1. Sprint 1 | Project Plan, Restful API, CI/CD environment initialization | 31.08.2020 | 18.09.2020 |
| 1. Sprint 2 | Design Document version 1, 1st prototype iteration | 21.09.2020 | 9.10.2020 |
| 1. Sprint 3 | Design Document version 2, 2nd  prototype iteration | 12.10.2020 | 30.10.2020 |
| 1. Sprint 4 | Design Document version 3, 1st release version, Report on how the OWASP criteria relate to your application,  Up-to-date product and sprint backlogs and burn-down charts | 2.11.2020 | 27.11.2020 |
| 1. Sprint 5 | Final design document, 2nd release version, Up-to-date product and sprint backlogs and burn-down cahrts | 30.11.2020 | 16.12.2020 |
| 1. Sprint 6 | Final report, final release, Up-to-date product and sprint backlogs and burn-down cahrts | 19.12.2020 | 22.01.2020 |

# Testing strategy and configuration management

## 

## Testing strategy

As of now the only method that is going to be used is unit testing; however, different methods will be implemented. As for the functionality of the application, I have decided to test it myself as I have always wanted to use such an app but have never found one. In this way I can also potentially make some additions to the application if needed.

## Test environment and required resources

The testing environment will be me using the application and testing the code with unit tests and other methods in the future.

## Configuration management

I will be using git in order to keep the project up-to-date and also keep track of the different versions and updates.

# Finances and risk

## Risk and mitigation

|  |  |  |
| --- | --- | --- |
| **Risk** | **Prevention activities** | **Mitigation activities** |
| 1. Lack of time | Better organisation | Ask mentor for guidance |
| 1. Hardware problems | Maintenance of hardware | Routine check at a repair shop |
| 1. Illness | Better hygiene | Healthier way of life |