**Project description**

# **Introduction**

## Background description

VIAFit is a fitness center run by Bob Sixpack and his father, the center is currently in a transition stage where Bob is taking over the daily management. Bob’s father ran the center in a rather old fashion manner with pen and paper as his tools to keep members and events organized. Therefore, Bob has decided to invest in software that can relieve his daily duties. Currently, all data about trainers and members is stored in paper form and as the center is expanding on both parts, a more modern system is needed. Furthermore, Bob wants a new solution to the current whiteboard-schedule which keeps track of all events during the month and which trainers are hosting these. All participants for these events must be written down manually by the front desk so the events are not overbooked. Bob wants to keep everything offline and on-site at the always manned front desk, therefore there is no need for a login or password.

The system should store all the basic information about the members, name, address, phone number, email address and whether members have a premium subscription or not. As for the instructors, the same information is stored with an addition of classes the trainers can teach. The system needs to be easy to use with a standard layout and a search function, payments are handled through another system which is already implemented. Additionally, VIAFit’s website is old and outdated, a new website that can be visually pleasing and show information about the center and its trainers is needed.

## Definition of purpose

Enable the fitness center to keep track of all relevant data.

## Problem statement

Main problem:

* What information to keep track of for the fitness center.

Secondary problems:

* What classes does the fitness-center run?
* What information should be stored about the members and staff?
* What to display on the screen.

## Delimitation

1. Amount of equipment available per class and the size of the classroom.
2. Gym opening time.
3. Number and type of classes taught by trainers.

## Choice of models and methods

For answering the problem: “What information to keep track of for the fitness-center?”, enough resource should be allocated in this direction to the extent of listing all information types as a high priority task. This will be done by capturing requirements with priority on ensuring necessity of data.

For answering the problem: “List all information types as a high priority task”, enough resource should be allocated in this direction to the extent of listing all information types as a high priority task. This will be done by documenting the client's requirements. Ensuring necessity of data is a priority for this task.

For addressing the problem: “What classes does the fitness-center run”, enough resource should be allocated in this direction to the extent of fully analyzing what other elements of the main problem do the gym classes impact. This work should be accomplished at medium priority by registering all available class details. One of the priorities, in this case, would be to block input of incorrect data format.

To address the problem of “What to display on the screen.” enough resource should be allocated in this direction to the extent of displaying the data in a simple manner however this is a low priority task. This problem should be addressed by display categorized data in an organized manner. As a priority, avoid displaying too much information on the screen.

## Time schedule

|  |  |
| --- | --- |
| **Time** | **Task** |
| 15th March - 2nd April | Determine the problem formulation.  Brainstorming and writing the project description. |
| 2th – 4th May | Project description review and hand in. |
| 12th April | Send project description to peer review group, Group 2. Presentation of project description to peer review group. |
| 13th April | Upload final version of Project description. |

## Risk assessment

The most relevant risks for the project:

1. Time management. (due to procrastination and other potential problems that might come up). Low Probability.
2. Under communication

Communication is a challenge that's not to be underestimated. Communication is an important aspect and ideas will be discussed and compared until the group reaches a conclusion.

Low Probability

1. Users have inaccurate expectations

There is the possibility of complicating things due to miss-communication. Medium probability.

1. Learning curves lead to delays and cost overrun.

The desired application that the customer wants might become more complicated due to constant improvement of its functions. Low Probability

1. Resources are inexperienced

Lack of experience is a possible problem that might delay the project, but this will be countered by the group’s good nature and desire to deliver. High Probability

1. Requirements are low quality

The application itself does not seem to ask for much but the group is ready and organized and will do it’s best to deliver the project. Low Probability.

Risk Mitigation:

In case any of the aforementioned steps happens or an unlikely unfortunate event might happen the group has contingency plans that have the purpose of reorganizing or re-evaluating the situation and adapting so that the project will stay on course and will be delivered in the desired condition.

## Sources of information

1. Statistics Denmark, 2016. *Statistics Denmark.* [online]   
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2. Statistics Denmark, 2016. *Statistics Denmark.* [online]   
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