**Project Description**

**MesMalgrat Sport Centre**

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**Software Technology Engineering**

**7th Semester**

**11-September-2024**

* **Background Description**

MesMalgrat is a well-established sports center offering a diverse range of activities, including an indoor pool and a fitness room. Over the past year, the center conducted a survey to better understand customer needs and preferences. The primary insight from the survey revealed a demand for more comprehensive guidance on weight lifting, as many customers were unsure about training for specific goals and developing appropriate dietary and nutrition plans. Additionally, customers expressed a need for motivational support to help them remain consistent with their fitness routines.

Having been operational for 25 years, MesMalgrat has built a loyal customer base, with many clients being long-term members since its inception. In response to customer feedback, the management team initially hired additional personal trainers to enhance service quality. However, after three years, this approach led to a stagnation in net profit, prompting the need to reduce staff while still aiming to maintain high customer satisfaction.

To address these challenges and meet customer needs without incurring additional staffing costs, MesMalgrat has developed a new strategy. The company is introducing an online platform designed to assist customers with creating personalized training plans, exploring diet ideas, accessing exercise video tutorials, and engaging with a supportive online community. This digital solution aims to provide valuable resources and foster a more enjoyable training experience for all members.

* **Problem Statement**

It is evident that MesMalgrat is facing challenges in maintaining employee satisfaction without depleting its financial resources. The following areas have been identified as requiring attention: weight lifting guidance, nutrition support, and general motivation.

**Main Problem**

MesMalgrat aims to address customer needs effectively without negatively impacting the company's net profit due to excessive staffing.

To better understand and resolve the primary issue, the following sub-questions have been formulated:

How can we support customers with weight lifting plans?

How can we assist customers with nutrition plans?

How can we make weight lifting more enjoyable?

How can we ensure weight lifting routines are more sustainable?

How can we develop personalized plans tailored to each customer’s fitness level?

* **Definition of purpose**

The goal is to provide MesMalgrat with an integrated solution that includes the creation of weight lifting and nutrition plans, as well as a small social platform to enhance customer consistency and motivation.

**Delimitation**

For the moment, the team has been unable to find any relevant delimitations.

* **Methodology**

The chosen software development process for this project is SCRUM, with some modifications to fit the project's unique requirements.

Given that the "team" consists of a single member, specific roles such as Scrum Master, Product Owner, and Developer will not be designated.

The SCRUM activities and artifacts that will be utilized are:

* Product Backlog
* Sprints with their assigned Sprint Backlog
* Sprint Planning
* **Time schedule**

**Not sure about handin/exam dates.**

* **Risk assessment**

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| --- | --- | --- | --- | --- | --- | --- |
| Risks | Likelihood  Scale: 1-5  5 = high risk | Severity  Scale: 1-5  5 = high risk | Product of likelihood and severity | Risk mitigation e.g. Preventive- & Responsive actions | Identifiers | Responsible |
| Increasing the complexity of the project | 4 | 5 | 20 | Follow the requirements | Implementing functionality that is not a requirement | Jaume |
|  |  |  |  |  |  |  |
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**Group Contract**

There will be no group contract as there is a single member.