PROJECT PLAN

A picture containing night sky

Description automatically generated

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REVISION HISTORY

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# Introduction

This document describes the synthesis assignment I will be working on during weeks 11-16. This is an individual assignment where I can show my current proficiency of all seven (7) learning outcomes (LOs).

# Team

Popescu Stefan (458476, stefan.popescu@student.fontys.nl)

I am the representant. I will be in contact with the tutor and will be responsible for organizing meetings. During the meetings I will be taking minutes.

# Case description

The company *DuelSys inc.* wants a software solution to allow their customers (sport associations) to manage their sport tournaments. For now, the software must support a *round-robin1* tournament system for *badminton*2, but *DuelSys inc.* also wants the software to have the potential to support *other types of* tournament systems and sports.

A tournament has multiple *players* competing in *badminton* games to determine who is the best (e.g., gold, silver, and bronze medal). To determine this, the purpose of the software is to register all the results of each game.

This software solution will be used by sport association *staff* (*staff*) to organize tournaments and by *players* to find information about the tournament(s) they want to participate in.

# Problem description

Currently, the company is missing the software solution for this case description. They cannot support the creation/deletion/editing of their tournaments, as well as supporting the ability of the user to enroll/play/view the games/results.

# Project goal

The project goal is to provide the means necessary for *DuelSys inc.* to incorporate all their requirements as smoothly as possible. As such, the workload is going to be focused on providing the company with a software application as well as a website. The software application is going to support processes like creation/deletion/modification/visualization of the tournaments. The website is going to support processes involving the customer interaction, mainly enrolling/playing/viewing games/results.

# Deliverables

WEB – web application

APP – desktop application

By the end of the allotted six weeks, I will deliver a fully working application and website that addresses the main issues.

The company is having the following problems and we will make a software solution able to solve them:

1. Managing tournaments (CRUD, and filtered search) APP
2. Managing customers’ profiles (CRUD) WEB
3. Enrollment of customers to various tournaments WEB
4. Viewing the result of the tournaments (customers) WEB
5. Documentation (URS, Project Plan, UML class diagram, Test Plan, Test Report)

# 7. non-Deliverables

These non-deliverables are what the company could expect me to deliver but I will not, as I will focus on providing the grounds for the required actions as well providing a test plan and a test report.

* I will not deliver any written manual for our application.

# 8. Constraints

I am going to use C# for the desktop part of the application. It has a defined style and I do not plan to deviate too much from that.

There will be no additional funding provided for purchasing of software, for this reason I will be using Microsoft Visual Studio.

I have pre-defined amount of time to complete the project which will limit the additional features I can provide. The assignment officially begins on the first day of week 11 and ends on the last day of week 16.

# 9. Risks

The only risk I foresee is getting tangled up in the extra requirements as I want to provide more than the bare minimum.

# 10. Phasing

## Week 11: Kick-off by WKS teacher and start working on the URS & Test plan.

## Week 12: Q&A/Feedback with WKS teacher and continue working on the URS & Test plan.

## Week 13: Get feedback on URS & Test plan and start designing the UML Class Diagram.

## Week 14: Get feedback on your design and start implementation of system.

## Week 15: Continue implementation of system & unit tests.

## Week 16: Finish implementation & unit tests, create test report and polish all deliverables for submission before Friday 16.00.