CS1002 – Project Report

Programming Fundamentals - Lab

Nabiha Rajani | Laiba Tabraiz | Ashar Khan

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# Introduction

Group Project Fall 2021 - BS-CS Section G

Sports Agency Management System

Members:

21K - 4620 Laiba Tabraiz

21K - 4932 Ashar Khan

21K - 4523 Nabiha Rajani

# Background (Research & Project Selection)

The problem observed was a lack of a single general-purpose solution in sports management, especially for small-scale local agencies.

Our proposed solution is a simple, functional, user-friendly program.

Project Specification

Programming Language: C

IDE: DEV C++

# Solution Design (Project Detail, Functionality and features)

Features:

* Login: Admin access (for amending data), default client read-only access
* Multiple menus; can exit section and return to main menu
* Add, update, find and view inventory records; indicate low stock
* Event management: timetable for male and female teams
* Player database: update and store details (names, contact information, medical history, previous wins/loss)

Concepts applied:

* Loops (while-do, for-loop)
* If - else
* Switch - case
* Arrays
* Structures
* Functions
* String functions

Additional: Video, sound effects

# Implementation & Testing

Program tested with invalid entries:

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# Project Breakdown Structure (Workload distribution with timeline)

**Timeline:**

Proposal - October 2021

Solution Design - November 2021

Program Development – December 2021

**Total Duration:** 2 – 3 weeks

**Ashar**

* **Events module**
* **Video option**
* **Planning and discussion**

**Nabiha**

* **Inventory module**
* **Reports and documentation**
* **Planning and discussion**

**Laiba**

* **Player database module**
* **Planning and discussion**

# Results

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# Conclusion

Successful execution. Fully functional program.

Limitations – File handling, GUI, database access