



FIT5136 Informal Client Requirement

Last Update: 01/08/2023

Ver: 8.3

Read the requirements thoroughly

Informal description of “Monash Sports Management System (MSMS)”

Monash Local Government has asked you to develop a Monash Sports Management System (MSMS). Monash Sports is currently using 3rd party provider for the member management.

This system will be used for the following functionalities:

- Member Registration
- Appointment management
- Status dashboard

Feature 1: Member Registration

- The system should allow members to create their accounts and login using email and password

Feature 2: Appointment Management

- The member can choose Monash Sports branches by either the member current address or find the nearest branch according to the suburb and post code member entered
- The member can cancel appointments at any time and cancel is not going to show after checked in
- PT details will be also show up in this feature, once you selected a branch, you will see all available PT listed when you book an appointment
- The member can add the branches and PTs as favourite for quick access
- The member can check the details of the selected Monash Sports branch.
- No lunch breaks and the member can choose the time based on an interval of min minutes based on the reason for seeing PT (e.g, if the minimum minutes for reason for seeing PT is 30 minutes, the member can see 9:30, 10:00, 10:30, etc. If minimum minutes for seeing PT is 45 minutes, the member can see 9:00, 9:45, 10:30 instead). The system will only display the PT's time that is available for the user to choose. one PT can only have one member at one timeslot
- During the day of appointment, the member is able to check in 10 minutes before the appointment time and see how many people are in front of the queue. 45 minutes after the member has checked in, the member will be removed from the queue automatically.

Feature 3: Status dashboard

the report are generated each time administrators are trying to access this feature

- Monash Sports administrators can see reports generated. The reports are:
 - The amount of members a PT handled during a period
 - The amount of members a Sports handled during a period
 - The percentages of reasons for member appointments during a period

Technical Requirements:

You have the following options to develop the program,

*Advise: Please make a decision as a team. If in doubt, ask your mentor.

Please do not rely on one person to make the sole decision, at least have some discussions first.

Option 1: Text-based application

1. Programming Language

- Java (Core Java)
- Python (Basic)

2. IDE Requirements

- Java
 - IntelliJ (Recommended)
 - NetBeans
 - Eclipse (Not recommended)
 - Blue J (Not recommended)
- Python
 - PyCharm (Recommended)
 - Anaconda (accepted for initial learning/ production; However, final delivery must be done using PyCharm)
- Database

You can store data in any of the following files:

 - CSV File
 - Text File

Option 2: Desktop-based application

1. Programming Language

- Java (Core Java)
- Python (Basic)

Note: You can use any external libraries, extensions, etc

2. IDE Requirements

- Java
 - IntelliJ (Recommended)
 - NetBeans
 - Eclipse (Not recommended)
 - Blue J (Not recommended)
- Python
 - PyCharm (Recommended)
 - Anaconda (accepted for initial learning/ production; However, final delivery must be done using PyCharm)
- Database
 - You can store data in any of the following files:
 - CSV File
 - Text File