CSE3CAP/CSE5IDP Project Proposal Template

Project Title: FV *Referee Visual Appointment Platform*

Project Owner Details :

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Executive Summary: The football Victoria Referees department aims to make referee gameday appointments a nice and enjoyable experience for Referees. FV would like to be efficient and positive while creating a cohesive relationship.

Background:

The FV Referees department would like to provide a better experience for referees when appointing to football matches by improving their semi-automatic process. Appointment requires matching location, experience, maturity, and appropriate age to the match. It also requires accuracy, timing, and flexibility. The main goal is to fix the issue of mass declines in age groups of U12, 13, and 14's fixtures which can impact the growth of football in Victoria. Having this platform run with the below requirements will help to ensure higher acceptance of appointments. This platform is to compliment the current use of **Schedula** which is the Referees Appointment System that does not have a graphical visualization but stores the Club's and Referees' information and history.

Objectives: (key functional requirements)

- A geographical representation of referees location within Victoria
- A geographical representation of football venues within Victoria
- Connectivity with Schedule appointment system used for referees (**Schedula**)
- Availability interface for referees
- Preference selection for referees on which venues referees would like to officiate at
- Referee qualification filter within the geographic setting.

-Notifications to referee contact numbers (email, mobile alert) for when a game is available due to last-minute cancellation. This notification would alert all referees within a specific distance from the venue, from here they can accept the fixture.

Constraints and Limitations:
- The dependency of **Schedula** to export information on a short time frame raises challenges for the proposed platform to be released.
- Information of officials raises confidentiality and security matters, the information exported is required to remain secure and prevent breaches of release.
- Referees receive notification every Monday 3pm
- FV environment is mainly Windows W11 & Windows Server OS, HP Laptops and Servers, and Office 365.

Scope (A list of prioritised, must-haves, nice-to-haves and optional outcomes)

MUST HAVE
- *Geographical location of referees and venues set*
- *Filters:*
    - *Availability (General information in **Schedula**)*
    - *Level/ qualification (which will be deducted from **Schedula** History)*
    - *Geographical map based on **Schedula's** profiles information*

PREFERENCE
- *Club Preference for referees to select on profile*
- *Notification to be sent to referees when official has made last minute cancellation and book the fixture.*

OPTIONAL

- *Mobile interface for users (Referees) to visualize future fixtures on each Venue to be able to request to be appointed in advance.*