

Minutes of Meeting (MoM)

Project Title: Automated Sports Data System

Team Number: 26-FA25-SP26-SIL-GEN

Client / Sponsor: Swensen

Mentor(s): Prof Parteek Kumar

Date: September 18, 2025

Time: _____

Location / Platform (Zoom/Office/etc.): In-Person

Participants (Team & Client): Team Members & Swensen

Meeting Number / Version: 2

1. Agenda

- **Item 1:** Update on the scraper and database integration.
- **Item 2:** Discuss and plan for the next development phase, including the API dashboard and web sockets.
- **Item 3:** Review plans for the next two weeks of work.

2. Key Discussion Points

- The scraper for game status changes was updated to use a **DOM notifier**, which triggers a callback on any text changes, removing the need for periodic polling.
- The scraper is now able to handle multiple sports and save parsed results to a database.
- HTML snapshots are being recorded for debugging purposes.
- The next development phase will focus on the **API dashboard**, a web sockets layer, and an **Arduino client**.
- The team has a preference for using **GitLab** as the Git platform.
- The team discussed the benefits and challenges of using **Docker** for deployment and debugging.
- A pre-recorded day's worth of data will be used for debugging, which can be played back as fast as needed.

- The Arduino client will be developed using **PlatformIO** and the Arduino framework.
- The current embedded chip, an **ESP8266**, cannot connect to enterprise Wi-Fi, and a future upgrade to the **ESP32** is planned.

3. Decisions Made

- We will use **GitLab** for the project repository.
- The next phase of development will focus on the **API and the dashboard**.
- A development version of the project will be released by next Thursday, including documentation and the repository.
- We will work on a health table in the database to track the success or failure of scraper runs.

4. Action Items / Responsibilities

- **Task:** Finalize scraper and database pushing functionality.
- **Assigned To:** Mentor.
- **Deadline:** By next Thursday.
- **Priority:** High.
- **Task:** Post repository with updated code and documentation.
- **Assigned To:** Mentor.
- **Deadline:** In the next day or two.
- **Priority:** High.
- **Task:** Begin working on the API and the dashboard.
- **Assigned To:** Team.
- **Deadline:** Next two weeks.
- **Priority:** High.

5. Client Feedback / Clarifications

- The client requested a "health table" be added to the database to monitor the success or failure of scraper runs.

- The client is interested in showcasing two live devices (one for Utah State and one for Washington State University) with the dashboard for the final demonstration.
- The client confirmed that the current ESP8266 chip cannot connect to enterprise Wi-Fi and that the team will eventually need to switch to the ESP32.

6. Linkage to Deliverables (optional)

- **Relevant Requirement Document Section(s):** N/A
- **Impact on Sprint / Milestone:** The completion of the scraper and database integration marks a significant milestone, allowing the team to begin work on the next phase of the project.
- **Presentation / Report Updates Needed:** The final presentation will need to be updated to show the live operation of the devices and the dashboard.

7. Next Steps & Follow-Up

- **Deliverables before next meeting:** Final scraper functionality and documentation for project setup.
- **Next meeting scheduled on:** In two weeks from the meeting date.
- **Agreed communication channel:** N/A

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