

# Progress report 01

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## Summary of Work Done

During this reporting period, I read the guidelines and technical writing materials provided by the instructor. I drafted and revised the project proposal many times and created a Gantt chart for the website portal tasks. I compared different data visualization libraries such as Highcharts, Plotly, D3.js and Chart.js. Highcharts and Plotly have many advanced features but need extra setup or a paid license for some functions, and D3.js is powerful but very hard to learn. Chart.js is easier to use, has clear documentation, and works well with PHP and MySQL, so I chose Chart.js for our project. I joined team discussions to finalize the data structure and API design. I also researched server options for uploading game data. The server has not been finalized yet, and I plan to finish the selection by the end of next week. One possible option is to rent a Google server. In addition, I changed the GitHub repository settings based on the instructor's requirements, renamed the repository, and updated the README.md file. I have also completed setting up the PHP and MySQL database locally.

## Implementation Check-in

At this early stage of the project, my work has mainly focused on research, drafting the proposal, planning, and setting up the environment. Therefore, there is currently no formal implementation code in the Implementation folder. However, I have already created the required Documents and Implementation folders in the GitHub repository. In the Documents folder, I uploaded two versions of my revised project proposal drafts (the first version is Proposal\_HSu463\_v1\_old.docx and the revised version is Proposal\_YLi547\_v2\_old.docx), as well as the final version (Proposal\_YLi547.docx), my progress report (Project\_HSu463\_Report1.pdf), and updated the README.md file. In addition, I have basically completed the portal prototype and uploaded it to the Implementation folder. Once the server choice and data structure are finalized, I plan to start checking the PHP/MySQL code for the website portal into the Implementation folder in the next phase.

## Work log

Date	Number of Hours	Description of work done
Sep 07, 2025	1.5	Reviewed the document General Guidelines and Deliverables provided by the instructor
Sep 08, 2025	3	Reading the A Guide to Technical Report Writing to be familiar with the rules

Sep 08, 2025	2	Drafted the proposal for my part of the project, which focuses on the development of the website portal for displaying and analyzing game data
Sep 09, 2025	3	Worked on project planning and created the Gantt chart for the website portal tasks using Tableau. Updated the proposal with the timeline section.
Sep 11, 2025	6	Compared several data visualization libraries such as Highcharts, Plotly, D3.js and Chart.js. I tested basic charts in each library to see how they work with PHP/MySQL. Highcharts and Plotly had many advanced features but needed paid licenses or extra setup for some functions. D3.js was powerful but very hard to learn and required a lot of custom coding. Chart.js was easier to use, had clear documentation, and worked smoothly with PHP and MySQL. Because of this I finally chose Chart.js for our project.
Sep 12, 2025	2.5	Revised the project proposal based on instructor's feedback, including unifying the narrative perspective, adding detailed deliverables, and correcting tense and grammar issues in the report.
Sep 13, 2025	3	Discussed data structure issues with teammates, finalized basic tables and related columns, and aligned on game mechanics and design approach.
Sep 15, 2025	4	Researched server options for handling game data uploads; compared multiple online server providers but have not finalized the choice yet.
Sep 18, 2025	4	Set up the basic environment with PHP and MySQL database; used local resources temporarily since the server has not been finalized.
Sep 20, 2025	1	Revised the project proposal again, reorganized the Deliverables section for clarity and detail.
Sep 22, 2025	3	Discussed data structure with teammates, confirmed the columns of the match table, and analyzed how the portal should retrieve data and the basic API design.
Sep 25, 2025	2	Revised GitHub repository settings based on instructor's requirements; renamed repository

		and updated README.md file accordingly.
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