

Progress report 01

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F2025_4495_071_YLi547

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.

Description 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.

Repo Check-in of Implementation completed

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.

The files/folders I have checked in the repo are as follows:

- Documents/HaoSUO_timeline.twb
- Documents/Proposal_HSu463_v1_old.docx
- Documents/Proposal_YLi547_old.docx
- Documents/Proposal_YLi547.docx
- Misc/portal_prototype_MainPage.png

The image shows a GitHub repository interface for the repository `F2025_4495_071_YLi547`. The top section displays the commit history for the `Documents` directory, with a table listing files, their commit messages, and the last commit date. Red arrows point to specific files in the table with labels: `HaoSUO_timeline.twb` is labeled "Tableau timeline", `Proposal_HSu463_v1_old.docx` is labeled "version1", `Proposal_YLi547.docx` is labeled "final", and `Proposal_YLi547_old.docx` is labeled "version2".

Name	Last commit message	Last commit date
..		
HaoSUO_timeline.twb	Add files via upload	2 days ago
Project_HSu463_Report1.pdf	Add files via upload	30 minutes ago
Project_YLi547_Report1.pdf	report 1 update	40 minutes ago
Proposal_HSu463_v1_old.docx	Rename Proposal_HSu463.docx to Proposal_HSu463_v1_old.docx	2 days ago
Proposal_YLi547.docx	Add files via upload	39 minutes ago
Proposal_YLi547_old.docx	Rename Proposal_YLi547.docx to Proposal_YLi547_old.docx	47 minutes ago

The bottom section shows the file browser view for the `Misc` directory. The left sidebar shows the repository structure, including `Documents` and `Misc`. The main area shows the commit history for the `Misc` directory, with a table listing files, their commit messages, and the last commit date. A red arrow points to the file `portal_prototype_MainPage.png` in the table, with the label "Misc/portal's prototype - MainPage".

Name	Last commit message	Last commit date
..		
portal_prototype_MainPage.png	Add files via upload	7 minutes ago