

Project Status Report #1

Project Name: Python code analyzer

Reporting Period: 12 sep – 19 oct

Submitted By: Eman Alnajem / project manager

Team Members:

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Section A: Project Development Status

1. Summary of Progress

During this period, we started working on the Python Code Analyzer project. We organized our tasks, created the project repository on GitHub, and set up the main structure of the project. We decided to use Python for coding and HTML/CSS for the interface design. The main features of the system were selected, and we began designing the user interface and building the tool's structure. The team stayed in touch through short meetings to make sure everyone knew their tasks and followed the plan.

2. Tasks Completed

Task	Assigned To	Date Completed	Status
Defined team workflow and communication channels (GitHub & WhatsApp)	Whole Team	14 sep	 Done
Held Team meeting to discuss project scope and goals	Whole Team	15 sep	 Done
Defined main system features (code input, code analysis, visualization) , objectives, and expected outcomes	Leader , Backend & Frontend Teams	15 sep	 Done
Decided on development tools (Python for backend, HTML/CSS for interface)	Backend & Frontend &Design Teams	16 sep	 Done
Collected and compared possible Python analysis libraries	Backend Team	16 sep	 Done
Divided roles and responsibilities among members	Leader	17 sep	 Done
Created Work Breakdown Structure (WBS) with activities, dependencies, and deliverables	Leader & Documentation Team	6 oct	 Done
Developed risk management plan with identified risks and mitigation strategies	Whole Team	10 oct	 Done
Established version control and configuration plan using GitHub branches (main/dev)	configuration	11 oct	 Done

3. Tasks In Progress

Task	Assigned To	Expected Completion	Status
Analyze the collected requirements to identify functional and non-functional specifications.	Project Manager & Documentation Team	2 Nov	 In Progress
Validate and review the requirements to ensure clarity, completeness, and feasibility.	Whole Team	5 Nov	 In Progress
Prepare the Software Requirements Specification (SRS) document, summarizing the system features, use cases, and constraints.	Documentation Manager & Backend Team	6 Nov	 In Progress
Design the user interface layout (UI/UX) . Create the web layout for uploading Python files and displaying the analysis results.	Frontend Team	10 Nov	 In Progress
Develop the system architecture (backend and frontend structure). Build the overall structure and define how components interact.	Backend & Frontend Teams	13 Nov	 In Progress
Review and refine the system design to align with requirements. Verify that the design meets all functional requirements and make necessary improvements.	Whole Team	20 Nov	 In Progress



4. Upcoming Tasks

Task	Assigned To	Start Date	Notes
Implement the backend logic for reading and analyzing Python code. Develop the core backend modules that read .py files, count lines, classes, and functions, and handle syntax errors.	Backend Team	30 Nov	Core functionality implementation
Integrate frontend with backend to display analysis results. Connect the backend logic with the web interface to show analysis reports to users.	Backend & Frontend Teams	30 Nov	Ensure accurate data transfer and UI display
Conduct internal testing and debugging of the integrated system. Test the system internally using sample files, fix major bugs, and ensure stable basic functionality.	Whole Team	2 Dec	Prepare for formal testing phase
Prepare and execute system testing using the STS document	Testing Team	4 Dec	Perform full testing with sample Python files to verify tool reliability
Review and fix bugs based on testing results	Developers	5 Dec	Ensure system stability
Finalize project documentation (Final Report, STS updates)	Documentation Manager	7 Dec	Ensure consistency across all deliverables
Submit Final Project Code and practice demo flow and ensure all members understand their parts	Whole Team	14 Dec	Prepare and rehearse the final presentation and demo

⚠ 5. Issues / Blockers

Issue	Impact	Owner	Resolution Plan
Requirement analysis taking longer than planned	May delay completion of SRS and design phase	Documentation Team & Project Manager	Increase meeting frequency to finalize unclear requirements; set internal mini-deadlines
UI/UX design delay	Affects integration schedule with backend	Frontend Team	Divide UI work among members and reuse templates to speed up progress
Need for instructor feedback on design	Could block finalization of requirements	Whole Team	Schedule quick review session or share design prototype for approval
Limited time overlap among team members	Slows collaborative work (especially review sessions)	Project Manager	Use online communication tools like shared Google Docs for asynchronous reviews and updates, GitHub and zoom.

💬 6. Notes / Comments

- The team communicates regularly through GitHub and WhatsApp, and everyone understands their responsibilities.
- We have maintained a positive and supportive atmosphere, helping each other whenever someone had a question or faced difficulty.
- Collaboration between the frontend, backend, and documentation members has been smooth, and our progress is mostly aligned with the initial plan.
- Requirement analysis and UI design are still in progress and taking slightly longer than expected because we want them to be clear and accurate, but we are committed to completing them properly.
- As we move into the development phase, we may need feedback from the instructor to

confirm that our requirements and design decisions meet expectations.

- Overall, team motivation is high, communication is strong, and there are no major team health issues at this stage.

Section B: Evaluation

To be completed by the instructor or supervisor.

4. Status Reports (9 points each / 1.5 mark each) – Weeks 9 & 13

Criteria	Excellent (5-4)	Good (4-3)	Fair (3-2)	Poor (1-0)	Awarded Score
Progress Reporting	Clear progress vs. plan, measurable updates.	Reasonable but some gaps.	Limited/vague updates.	No progress shown.	/4
Team Contributions	Roles/contributions transparent.	Partial info.	Minimal detail.	Absent.	/5

Note: Students without documented tasks in this report will not receive equal marks.