

Activity Report Week 1 - Practica in Productie

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Company name: Amdaris

Mentor: Mihai Izmana

This week, my team and I, under the guidance of our mentor, focused on both theoretical research and practical work for our PBL. We identified the following problem: currently, medical records are often stored in physical form, making them difficult to access, share, and update. This leads to lost or incomplete information, time-consuming paperwork, repeated tests, and limited transparency for patients. The lack of a centralized, secure system also creates inefficiencies for medical staff and institutions, while increasing the risk of errors and delays in patient care. Our solution addresses this by providing a centralized online medical records system that ensures accessibility, security, and efficiency.

Daily Tasks and Activities:

1. Tuesday: The team met for the first time at Amdaris, where we attended a presentation about the company's history and how it operates. Moreover, we had a tour of the office, where the director explained the purpose of each space. At the end, my team also discussed some initial ideas that we could implement for our project.
2. Wednesday: We held a brainstorming session, generating several possible project directions and analyzing their feasibility.
3. Thursday: We attended a security session at Amdaris, where we received our access cards. Afterwards, we had a team meeting to evaluate and vote on the best project idea, and we agreed on developing an online medical records system.
4. Friday: We began implementing the foundation of our project. The backend and frontend development was initialized by some of my teammates, while others, including myself, started preparing the documentation, such as the problem statement, solution proposal, stakeholder analysis, and comparative study.

Completed Tasks:

- Determined the final idea of the project.
- Identified and analyzed stakeholders.
- Conducted research on online and offline medical record systems.
- Investigated existing solutions and their limitations.
- Drafted the comparative analysis to evaluate how our system will improve upon current solutions.

Significant milestones:

This week, we finalized our project topic, completed the stakeholder identification, researched existing solutions, and drafted a comparative analysis. We also outlined the initial architecture for the web application, marking an important step toward development.

Proof of work:

<https://docs.google.com/document/d/1sMRwjHSRHZik25Y4yaPFd7wOO8yiVEvJGlJ1MW9QOU4/edit?tab=t.0>

<https://github.com/blinduandi/medical-be>

<https://github.com/Darzu-Catalin/medical-fe>