

# Project Progress 1

My contribution for the first week of our PulseHR Employee Management System project covered the following, with an emphasis on building a solid front-end foundation:

- The main objective of the PulseHR Employee Management System is to improve operational efficiency by streamlining and optimizing employee management procedures.
- I learned the fundamentals of front-end technologies such as HTML, CSS, JavaScript, Node.js, Express.js, and MySQL. This was one of the first week's main goals.
- Setting up a development environment using programs like Visual Studio Code was an essential component of the first week's front-end work.
- Outlining essential front-end functionalities like employee data storage, user authentication, and data retrieval was part of defining the project scope.
- I created a rudimentary, basic user interface for the front end of the PulseHR Employee Management System to set the stage for front-end development.
- To learn about best practices and design considerations, I conducted a thorough analysis of the front-end user interfaces of current employee management systems.
- The PulseHR Employee Management System's front-end development was guided by the user interface analysis as a point of reference.
- One major component of the work I did this week on the front end was learning the MEAN Stack (MySQL, Express.js, Angular, and Node.js), which involved research and practical experience.
- For the front end, it was important for me to prioritize having a ready development environment, which included installing Node.js and MySQL in preparation for later front-end development tasks.

I'm most proud of this contribution because it laid the foundational work for our PulseHR Employee Management System project, emphasizing both a strong understanding of front-end technologies and the practical groundwork for our user interface. Additionally, the comprehensive analysis of existing systems' front-end interfaces provided valuable insights to guide our development process, enhancing the user experience for our system.