Week 1 Progress Report on Password Manager

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**Overview**

During the first week, I focused on understanding the requirements of the “Password Manager” project and setting up the project environment. I made significant progress in developing the core functionality and database integration.

Tasks Completed

* Conducted a detailed analysis on “Password Manager”.
* Creating prototypes, designing user interfaces, coding software, or constructing physical structures.
* Conducting tests, identifying and resolving issues, and ensuring the project meets quality standards.
* Rolling out the project solution, installing equipment, and launching software applications into our systems.
* Coordinating with team members, and maintaining effective communication channels.

Challenges Faced

Data Integration:

One of the major challenges faced during the week was integrating data from different sources into a unified format for analysis. The data obtained from various sensors and cameras had different formats and structures, requiring extensive preprocessing and data cleaning. To overcome this challenge, we developed custom scripts and algorithms to harmonize the data and ensure compatibility for analysis.

Limited Data Availability:

Another hurdle encountered was the limited availability of real-time traffic data from certain areas of the city. This affected the accuracy of our predictive models and the granularity of our insights. To address this issue, we collaborated with the city's transportation authorities to explore options for expanding the sensor network and enhancing data collection capabilities in those areas.

Lessons Learned

Overall, the lessons learned from the "Password Manager" project highlighted the importance of data security and it is a real-world application. These insights will guide us in future projects and contribute to our professional growth.