Week 1 Progress Report on password Manager

UpSkill Campus, UniConverge Technologies Pvt.Ltd.

# Address:

Vongimalla Poojitha

Madanapalle Institute of Technology & Science,

Department of Computer Science and Engineering,

Angallu, Andhra Pradesh, 517326, India.

Mail: poojithareddy.112002@gmail.com

Phone: +91 7989934382

**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.

Steps to complete our task:

* 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

* Initially, I was confused in choosing a project, but later I concluded that password manager would be best to a fresher.
* Gathering best information about project took some time.
* Making my system suitable to the project is the big challenge because it is new to me.

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.

Our Requirements to solve the task/project:

* We can generate a random string password in Python with letters, special characters, and digits using the following two ways:
* random.choice():choice() is a method in random module,it generates a single random element from a specified sequences such as a list, a string, a tuple etc.
* string.ascii\_letters: it will give us a string that contains only ASCII letters.
* string.digits: it is a pre-intialized string used as string constant, this determines whether the string contains digits or not.
* string.punctuation: to get special symbols
* Use the string.printable constant and choice() function. The string.printable contains a combination of digits, ascii\_letters (lowercase and uppercase letters), punctuation, and whitespace

Submitted by: Vongimalla Poojitha