

Weekly Progress Report

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Domain: PYTHON

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Week Ending: 02

I. Overview:

This week, the primary focus was on understanding USC_TIA & establishing a foundation for the project and the necessary modules and contributing to Python projects. Additionally, efforts were made to leverage learning resources for skill enhancement.

II. Achievements:

1. USC_TIA Familiarization:

- Explored USC_TIA documentation to grasp core functionalities.
- Successfully executed basic tasks, showcasing initial proficiency.

2. Project Planning:

- Define the key functionalities of the password manager, including securing and other operations on password.
- Evaluating potential database options for password and security concerns and scalability.

2. Python Project Contributions:

Name of the project:-

- Contributed code to **PASSWORD MANAGER** with a focus on efficient storage of password.
- Engaged in effective collaboration with team members.

3.Learning Python:

- Acquired proficiency in essential Python libraries, such as Numpy, Matplotlib and other modules like Tkinter, other GUI modules.
- Applied Python skills to real-world problems within USC_TIA context.

III. Challenges:

1. USC_TIA Integration:

- Encountered challenges during USC_TIA integration with database where all the data (passwords been stored).
- Ongoing efforts to troubleshoot and ensure successful integration.

2. Python Project Complexity:

- Faced complexity in understanding the database connection with interface and integrating the functions in the Python project.
- Seeking guidance to overcome challenges and enhance understanding.

IV. Learning Resources:

1. USC_TIA Documentation:

- Utilized USC_TIA official documentation for reference and troubleshooting.
- Attended relevant webinars and online tutorials to deepen understanding.

2. Cryptography libraries and SQLite Tutorial.

2. Python Learning Resources:

- Engaged with “Geek for Geeks” to strengthen Python skills.
- Participated in “Geek for Geeks” & “W3Schools” for practical application.

V. Next Week's Goals:

1. USC_TIA Enhancement:

- Address integration challenges and explore advanced USC_TIA features.
- Collaborate with peers to contribute to USC_TIA improvement discussions.

2.Python Project Development:

- Tackle more complex tasks within the Python project to increase contribution.
- Database setup and implementing algorithms for encryption and decryption.
- Seek feedback from mentors and peers for continuous improvement.