Weekly Progress Report

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Domain:Python Programming

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Week Ending: 03

I. Overview:

This week, the primary focus was on understanding USC_TIA 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. Python Project Contributions:

Name of the project:- Password Manager

  - Contributed code to authentication projects with a focus on user authentication, password saving and stored credentials.

  - Engaged in effective collaboration with team members.

3.Learning Python:

  - Acquired proficiency in essential Python libraries, such as os,hashlib,sqlite3 and cryptography.

  - 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 connectivity and authentication modules.

  - Ongoing efforts to troubleshoot and ensure successful integration.

2. Python Project Complexity:

  - Faced complexity in understanding password encryption and secure data storage concept of 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. Python Learning Resources:

  - Engaged with skillup online platform to strengthen Python skills.

  - Participated in coding and resolved queries 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.

  - Seek feedback from mentors and peers for continuous improvement.

VI. Additional Comments:

This week provided valuable hands-on experience in Python programming and security concepts. Developing the Password Manager enhanced understanding of secure coding practices and real-world application development.