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Week 4 Report

**Password Manager using Python**

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During Week 4, significant progress was made by our group in testing, refining, documenting, and securing the password manager developed using Python. Several crucial tasks were completed to ensure the reliability, usability, and security of the password manager.

Here are the key accomplishments and tasks completed during Week 4:

1. Integration Testing: Comprehensive integration testing was conducted to verify the interaction and functionality of different modules within the password manager. This testing phase helped identify and resolve any issues or bugs that may have arisen due to the integration of various components.

2. Refinement and Feedback: Based on user feedback and suggestions, the password manager underwent refinement. User experience improvements, bug fixes, and additional features were implemented to enhance the overall usability and functionality of the password manager.

3. Documentation :Extensive documentation was created to provide clear instructions on how to install, configure, and use the password manager. The documentation includes a user guide that outlines the step-by-step process for using different features of the password manager. Additionally, developer documentation was prepared to assist future developers in understanding the codebase and making modifications.

4. Security Audit: A thorough security audit was conducted to identify and address any potential vulnerabilities in the password manager. This audit focused on ensuring that the password manager adheres to industry standards for secure password management. Any identified security vulnerabilities were addressed promptly to guarantee the integrity and confidentiality of stored passwords.

5. User Interface Enhancements :The user interface of the password manager was further improved to enhance user experience and make it more intuitive. User-friendly prompts, error messages, and menu options were incorporated to make the interaction with the password manager smoother and easier.

Next Steps:

* Bug Fixes and Fine-tuning: Based on the feedback received during beta testing, any remaining bugs or issues will be addressed, and further refinements will be made to optimize the performance and usability of the password manager.

Overall, Week 4 was dedicated to testing, refinement, documentation, and security auditing. and bug fixing remaining.

Books used: “THINK PYTHON” (E-BOOK)

\*\*If you have any questions or require further information, please let us know \*\*

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