Through this project, I learned valuable lessons about password security, hashing, and the implementation of hash tables. I grasped the essential practice of hashing passwords to protect user data, realizing that storing passwords in plain text is a significant security risk.

The concept of salting passwords by adding random strings for enhanced security was an eye-opener. It's a simple yet effective method to strengthen password security.

Building a hash table with chaining for collision resolution provided practical insights into efficient data organization. I gained experience in user management, which included tasks like adding, validating, and removing users while highlighting the importance of handling passwords with care.

I reaffirmed the importance of security best practices, particularly the rule that plain-text passwords should never be transmitted over a network. Instead, passwords must be hashed before sending them, a fundamental principle in secure user authentication.

In summary, this project provided me with valuable insights into password security, hashing, and hash table implementation.