INFOSEC Documentation

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In our project, Tala Aral, we made sure to anticipate possible SQL injection attacks by using prepared statements in our login system. This helps protect the database from unauthorized manipulation. We also used password\_verify() to ensure secure password handling through hashing. To avoid incomplete or malicious inputs, we added input validation, while session handling keeps users securely logged in. These features work together to protect the system from common threats like data breaches or unauthorized access.

For added security, we required passwords to include at least one special character. This helps prevent weak password creation. Moreover, once a user is logged in, they won’t be able to return to the login page unless they log out first—ensuring a smoother and more secure user flow.