Project Title:

Digital Signature

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<u>Objective:</u> We want implement digital signature method by making a simple message sending system with java programming language & MySQL database.

Tools: Netbeans ,Xammp.

Language: Java, MySQL.

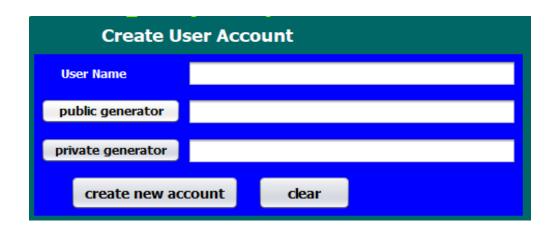
Discussion: In here we implemented digital signature method by making a simple message sending system ,where message of sender can only read by receiver of message, no other third party can avail to read the message of sender. There is also a feature where we are showing that without sender & receiver of message , nobody can avail to read the real message of them.

Digital Signatures with Encryption

- Alice signs the message with her private key: S_A(M)
- Alice encrypts the signed message with Bob's public key and sends it to Bob: E_B(S_A(M))
- Bob decrypts the message with his private key:
 D_B(E_B(S_A(M))) = S_A(M)
- Bob verifies with Alice's public key and recovers the message: V_A(S_A(M)) = M

Implementation:

1. Account create.



2. Login form.



3. User information.



4. all User's details



5. Message sending feature.



6. Message inbox.

	Message Inbox		
Message From :			

Hack Test

sender public key			receiver private key	
encrypted messag	ge			
l	generate message			hack test
				nack test

<u>Conclusion:</u> Successfully we implemented digital signature method with a simple message sending system in our computer security project using java programming language & MySQL database.