what is security

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security: security is all about protecting resources of an application from unauthorized access.

Level of security

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authentication -->knowing the identity of a user who is trying to access my applictation.

authorization--->providing roles to the authenticated user is simply know as authorization

data protection--->In data protection the part of conversational data(like password or bank account number) or some time complete conversational data transformed from client to server will be send in **encrypted format** in order to provide data protection during client and server communication while transforming the data packet from client to the server. Here confidential data need to be send in encrypted format

data integrity---> In order to check wheter some one has modified the data packet while transofring from client to server.

it is all about ensuring the message transformed from source to the receiver is in **the same format or not** . In order to provide data integrity we **go for digital signature**.

transport layer security(TLS)-->

it has huge performance issue. When TLS is used then there is no need of data protection.

Resources of an application : Any component that are accessible by user is called as resources of an application.

BAD CREDENTIAL FAILED EXCEPTION

ACCOUNT LOCKED EXCEPTION

USERNAME PASSWORD EXPIRED EXCEPTION