## JMOJREALL MOJE REUBEN.

- 1. Incorporating security considerations easy in software design.

   Proces is visted for several traions, it profes negating the cost and complexity of any experient them software recould design experient to position and instruction brightness experient and instruction of the cost of positions.
- 2. Role of threat modeling in soffware design.

   Threat modeling is a sustematic approach used to identify population!

  cerurity threads and influencephilities a given three likelihood and

  potential impact and prioritize instrigations. Generally outh as STRIVE

  or DREAD help in identifying and categorizing threats of the

  design stage.
  - 3 Principle of defent in depth in software design

    -The principle of definite in depth involves implementing multiple layers of
    scrumy controls through the software to preted against cyber throats

     This approach vicognizes that one single second measure is postput
    and multiple harmers can proude bedandaray and mifigate the
    smears of a control follow.
  - This is due to the complexity of technologics and three elolving nature of cylor threats. Best pragners for designing secone HPII include implementing proper authoritiation and authorization mechanism encypting data in transit and at rest, wardaping and samitraing input data to prevent injection attacks and designing for rate limiting and throtting to may mitigate depical of several of several -

5 secure by design.

- invitues intermeting security patterns principle and architectural

- invitues intermeting security patterns principle of least privalege when views on

- privaples such as the primisions them need to perform their topes

and the principle of fact automithment which advarates for

security styliems petroving in expected words-

Getrade-aggs believe security and usability

- Balancing recommy and usability is one of the significant challen

un sotupue design Execusive security measure can negatively impail

vier experience leading to view prospers and deleated convenientem

of security control

- To evente software that is both view they preceding and secure

bengine must interprete ux design principles with security requirements.

This involve designing interprete actual action process providing clear

security information to view

I formed 12 secure Cooling brackers.

Score cognid brackers are characters on the source cognid brackers and characters are constant to make source cognid brackers.

Score cognid braining an interest to going standards encouraging the are being the original property of country.

Scores cognid braining an interest to going standards encouraging the are property of country.

Scores cognid braining an interest to going standards encouraging the are according to the original property.

Scores cognid braining an interest to going standards encouraging the are they are the control of country.

Scores cognid braining and interest to going standards encouraging the are they are the to the they are they are they are they are the transfer of the