



Comsats University Islamabad, Vehari Campus

Professional practice

Assignment #04

Subject Teacher:

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(Section 2B)

Topic:

Cyber Security and Ethics

Department:

Computer science

Question NO : 01

Testing web interfaces in financial apps:

Because APIs are like the bridge between the app and the bank's data. Even if the app looks safe, if the API is not protected, hackers can steal data. So we must test APIs carefully to make sure no one can access private information. Just like we check the design and buttons, we also need to check the back-end system.

Question NO : 02

hackers found this unauthenticated API:

If bad people found this API, they could:

- See other people's account details
- Steal personal information
- Use that information to do fraud or scam
- Break the trust of customers
- Cause loss of money for the bank

This could become a big problem for both the bank and the customers.

Question NO : 03

ethical hackers follow when testing mobile apps:

Ethical hackers must work honestly. They should:

- Take permission before testing
- Not touch real user data

- Only test what is allowed
- Write reports clearly and truthfully
- Never use the information to harm or hack

They should always follow laws and do the work in a professional and safe way.

Question NO : 04

Difference between web apps and mobile apps in cybersecurity:

Web App

Web app Runs in browser

Easier to check in browser

Stores less local data

Focus on website security

Mobile App

Runs in phone

Needs phone or software to test

Can store data in phone memory

Focus on phone and API security
