

ISP Assignment -1

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Submit a write up containing 10 examples where you realized that you were making a trust assumption. Explain why you made that assumption.

Instructions to be followed:

1)The write up should be 2-3 pages.

2)Explanation and examples should be to the point.

3)Submission should be done in PDF format ONLY.

Grading, each example will be worth 5 points.

COMPUTER RELATED:

1. GMAIL with 2 STEP AUTHENTICATION:

➔ *Using Gmail anywhere on any machine without any fear*

I have made a blind trust over Gmail over the years after they introduced the 2 way authentication. Prior to that I was very careful not to use Gmail from an unknown machine. I try to login and use my Gmail as often as possible and don't care about any consequences.

WHY? Once they introduced the 2 way authentication I felt the bar has been raised higher and my phone is also required to have access to Gmail. And moreover I would know in advance if anyone is trying to access my mail as I receive a PIN.

2. Secure Protocols – SSH and SSL

➔ *Using Connection with Secure Protocols (SSH or HTTPS) without any precaution*

Without an in depth knowledge on the underlying hashing I trust the secure protocols like SSH and SSL. Using Secure Shell or SSL I would not care about any security jitters and use my connection with full confidence.

WHY? From the packet captures of SSL and SSH packets I was sure that nothing went in plain text. Every data was not accessible unless a particular key is obtained. Hence I put my trust assumptions on them.

3. Bill Payment / Bank Websites

➔ *Making Money Transactions with any Bill Payment or Bank Websites without a second thought*

The third party bill payment websites and Bank websites where there is money transactions.

WHY? Based on my assumption that the place which involves money is always kept under high security I trust the payment websites. Even though I cross check for HTTPS and Certificates, I mostly trust the web sites with satisfy the condition.

4. System Updates – Windows, Android and MAC

➔ *Updating my machine when they are provided with no verification*

I usually trust and install the System Updates provided by MAC and Windows. Even though I cross check for what application the upgrade is for, I don't dig deep to see the changes happening and leave it to upgrade my system.

WHY? Having been a prominent OS in the market and based on the reputation of the company, I had trust on the Updates provided by the vendors.

5. Certificate Authority:

➔ *Confident in using the websites verified by a CA*

The CA who verifies the Public Key – Certificates. I put my trust on what is displayed in the browser regarding the certificates.

WHY? I have never often cross checked the CA who verifies the certificate rather to view and certificate and trust the CA that it has given a reliable output.

6. AntiVirus:

➔ *Using Internet or USB without any warning hoping the Antivirus will take care of it*

The AntiVirus which I bought license for or the Windows Defender. I trust the Antivirus software and vendor company doing the best job to defend. I use my machine without any caution hoping I will be notified if anything odd happens.

WHY? I put my trust on them because the company as a whole develops the product involving so much man power and can't go wrong or miss a prominent malware.

7. Messaging Platform – Whatsapp and Hangout

➔ *Messaging to any person (Personal/Official) without taking care of any privacy or Integrity*

WHY? Based on the wide deployment of the application and adopted encryption standards I keep trust on the messaging platforms like whatsapp and hangout.

Even though I could not see the other side whether the source is trustworthy I put my doubts aside and trust these platforms to send messages.

8. Reliable News Feeds

➔ *Come to know about the weather and happenings around from the News feeds of popular channels*

Fake news apart, I completely trust the reliable news feeds for weather and news around us. I have never ever cross checked or verified elsewhere when I check something with the reliable news feed.

WHY? Based on the reputation of the firm and the accuracy of the prediction I have realized In the past few years I trust such feeds

9. Carrier

➔ *Trust on the carrier network to be always available*

I put my obsolete trust on my carrier, hoping that I am always connected. And that I could find help from anywhere.

WHY? With a number of visible base stations and the frequency with which people around me use the same carrier I kept my trust on the carrier assuming they would not go wrong.

NON COMPUTER RELATED:**1. Brand Products**

➔ *Rely on the quality of the branded product*

Reputed Brands like Apple, Nike, Samsung, Amazon ranging from computers to everything around us. I accept the quality of the products I get with a reputed brand and hope the price is as justified though very high compared to other.

WHY? In an era with so much competition in the market I feel the reputation is at most priority of a company. Most of the investment and decision the company makes is with an aim to uplift the reputation. Hence I trust the products I use from such companies.

2. Shop Keepers – Coin Changes

➔ *No verification on the coin changes from the shop keeper*

I trust the shop keepers in stores for coin changes they provide for the transaction. I never count the coin changes to verify if I did receive the exact return.

WHY? Though I recheck with the money bills, I don't count the coins under the assumption that the person won't cheat for some low amount and as well that the person cares about customers to his shop. Being in USA past few months I have never ever gone through the dime, nickel, or penny I get from the shop keeper.

3. My Brain and Hands

➔ *Completely depend on my Brain and Hand without a second thought during exams*

Even though I study hard for the exams and refer a lot of resources, I ultimately trust my brain and hands will co-ordinate at the nick of time to select or write the correct answer to the questions.

WHY? Based on the average of the performances and the grades, feedback I receive I put my trust on them to work at the right time to provide best results

4. Drivers

➔ *Ride with Drivers of almost all vehicles*

I put my trust on the drivers I encounter in daily life from Cab/Bus, Metro Train, and Airplanes. I board in the vehicle and don't care of the consequences solely relying on my trust with the driver.

WHY? Based on the training they provide, work to be done to get respective license to drive, the effort to get recruited in the organization and no frequent news on accidents, I put my trust on the drivers being reliable after so much they went through.

5. Lift in Buildings

➔ *Rely on Lift to switch between floors*

Even with a glimpse of Claustrophobia, I trust on the lift present in public places to get between any floors in a building. Once I am in the lift I don't care much on anything else and look forward to get out in the floor I desire.

WHY? I assume that the Lifts in public places are serviced, maintained properly with power all the time and there is always a person in standby at the basement to check or rectify if anything odd happens.

6. Doctor/ Nurse

➔ *Completely absorb what the Doctor/Nurse treat or give.*

I trust on the treatment, diagnosis or injection shot I get from a doctor or a nurse. Even though I don't verify anything else from the drug they use to the equipment quality I put my belief on the Doctor/Nurse.

WHY? Based on the qualification and training of the person to attain such a job I assume they are very much reliable.

Example: I visited the NYU health center to receive a flu shot and blindly listened to the nurse without any further examinations.

7. Complex Combination Locks

I feel the complex combination locks (with 2 to 3 dials) are pretty safe. I trust on them when I want to keep my belongings safe.

WHY? Based on the complexity and huge combinations and time required to crack, I assume that the lock is pretty safe for a temporary protection unless they are broken.