Data Security -- HW 1

Avi Soclof (674098915) & Eli Isaacs (569280954)

2. Fill out the threat table for your PC. Address 4 threats and fill in the entire table inclusive

Plan of action. (30 points)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Asset | Threat/Vulnerability | Likelihood (1 - 5) | Consequence  (1- 6) | Level of Risk (1 – 4) | Risk Priority | Selected Controls |
| Hardware | Theft | 3 | 6 – Will have lost Computer and all material within | 1 | 1 |  |
| Network/Software | Denial of Service to applications or network | 2 | 3 – Will not be able to access Internet or Cloud or use any applications on your computer | 1 | 2 |  |
| File Systems & File System Drivers | Elevation of Privilege | 2 | 4 – Unauthorized hacker gains access rights to files and software directly impacting essential information and overall use of the computers software. | 2 | 4 |  |
| Database | Tampering | 1 | 5 – Hacker alters private data within your database | 3 | 3 |  |

**3. Give an example where confidentiality is more important than integrity (10 points)**

**A:** Confidentiality is more important when the information records a person’s personal activities such as a person’s history on YouTube or an individual’s financial and personal preferences on an online website.

**4. Give an example where integrity is more important than confidentiality (10 points)**

**A:** Integrity is more important when the information details financial information. Banks are sometimes more focused on maintaining the integrity of bank records over their confidentiality.

**5. Give an example where availability is more important than confidentiality and integrity (10 points)**

**A:** Availability is more important especially in free countries when information is used to share news such as is done on websites of media and news websites