## PASTA worksheet

| **Stages** | **Sneaker company** |
| --- | --- |
| **I. Define business and security objectives** | * The app will process online transactions, possibly giving the chance to pay with google and apple wallet, this comprehend customers PII processing which needs to be protected * *Users can create member profile or navigating as guest.* * *The app should be in compliance with PCI-DSS.* |
| **II. Define the technical scope** | List oftechnologies used by the application:   * *Application programming interface (API)* * *Public key infrastructure (PKI)* * *SHA-256* * *SQL*   APIs facilitate exchange of data between customers, employees and partners, so they should be prioritized. They handles several sensitive data while connecting users and system together.  The technologies used should consider using strong security procedures to vulnerabilities because there’s a large attack surface. |
| **III. Decompose application** |  |
| **IV. Threat analysis** | List **2 types of threats** in the PASTA worksheet that are risks to the information being handled by the application.   * *SQL Injection* * *Session hijacking* |
| **V. Vulnerability analysis** | List **2 vulnerabilities** in the PASTA worksheet that could be exploited.   * *The code needs to handle error input* * *The data stored and used in the database needs to be encrypted and salted.* * *Broken API token.* |
| **VI. Attack modeling** |  |
| **VII. Risk analysis and impact** | List **4 security controls** that you’ve learned about that can reduce risk.  SHA-256, incident response procedures, password policy,  principle of least privilege |

Diagram



