PASTA worksheet

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| **Stages** | **Sneaker company** |
| **I. Define business and security objectives** | Make **2-3 notes** of specific business requirements that will be analyzed.  *the app requires to run accord all the security regulations in the industry due to the fact that the aplication will handle payments with several options which means a lot of back end processing* |
| **II. Define the technical scope** | List oftechnologies used by the application:   * *API* * *PKI* * *AES* * *SHA-256* * *SQL*   I will consider to proritice the use of *SHA-256 to encrypt all the user data and ensure the privacy of the costumers*  *another the case of study we need to be careful about the use of API technologies.They use sensitive data and are connected with a lot users and systems, which leads to a lot of vulnerabilities* |
| **III. Decompose application** | [Sample data flow diagram](https://docs.google.com/presentation/d/1ol7y79popTFfNHM-90ES-H-i1Lpd0YNvPShxBlXozjg/template/preview?resourcekey=0-DZAkf7Vzh2PXsP-j3oXV-g) |
| **IV. Threat analysis** | List **2 types of threats** in the PASTA worksheet that are risks to the information being handled by the application.   * *xss* * *Session hijacking* |
| **V. Vulnerability analysis** | List **2 vulnerabilities** in the PASTA worksheet that could be exploited.   * *Lack of prepared statements* * *Broken API token* |
| **VI. Attack modeling** | [Sample attack tree diagram](https://docs.google.com/presentation/d/1FmWLyHgmq9XQoVuMxOym2PHO8IuedCkan4moYnI-EJ0/template/preview?usp=sharing&resourcekey=0-zYPY7AhPJdcClXamlAfOag) |
| **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 |