## PASTA worksheet

| **Stages** | **Sneaker company** |
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| **I. Define business and security objectives** | Make **2-3 notes** of specific business requirements that will be analyzed.   * *Will the app process transactions?* * *Does it do a lot of back-end processing?* * *Are there industry regulations that need to be considered?* |
| **II. Define the technical scope** | List oftechnologies used by the application:   * *Application programming interface (API)* * *Public key infrastructure (PKI)* * *SHA-256* * *SQL*   Write **2-3 sentences** (40-60 words) that describe why you choose to prioritize that technology over the others. |
| **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.   * *What are the internal threats?* * *What are the external threats?* |
| **V. Vulnerability analysis** | List **2 vulnerabilities** in the PASTA worksheet that could be exploited.   * *Could there be things wrong with the codebase?* * *Could there be weaknesses in the database?* * *Could there be flaws in the network?* |
| **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. |