

PASTA worksheet

Stages	Sneaker company
I. Define business and security objectives	<p>Make 2-3 notes of specific business requirements that will be analyzed.</p> <ul style="list-style-type: none">• The app will process financial transactions• The app does a lot of back-end processing• The app should be in compliance with PCI-DSS
II. Define the technical scope	<p>Write 2-3 sentences (40-60 words) that describe why you choose to prioritize that technology over the others.</p> <p>List of technologies used by the application:</p> <ul style="list-style-type: none">• Application programming interface (API)• Public key infrastructure (PKI)• SHA-256• SQL <p>APIs facilitate the exchange of data in the app. They handle a lot of sensitive information, so there should be security measures put in place and they should be prioritized.</p>
III. Decompose application	Sample data flow diagram
IV. Threat analysis	<p>List 2 types of threats in the PASTA worksheet that are risks to the information being handled by the application.</p> <ul style="list-style-type: none">• Injection• Session hijacking
V. Vulnerability analysis	<p>List 2 vulnerabilities in the PASTA worksheet that could be exploited.</p> <ul style="list-style-type: none">• Lack of prepared statements• Broken API token
VI. Attack modeling	Sample attack tree diagram
VII. Risk analysis and impact	<p>List 4 security controls that you've learned about that can reduce risk.</p>

	Principle of least privilege, password policy, SHA-256, incident response procedure.
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