

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">● <i>Will the app process transactions?</i>● <i>Does it do a lot of back-end processing?</i>● <i>Are there industry regulations that need to be considered?</i>
II. Define the technical scope	<p>List of technologies used by the application:</p> <ul style="list-style-type: none">● <i>API</i>● <i>PKI</i>● <i>AES</i>● <i>SHA-256</i>● <i>SQL</i> <p>Write 2-3 sentences (40-60 words) that describe why you choose to prioritize that technology over the others.</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">● <i>What are the internal threats?</i>● <i>What are the external threats?</i>
V. Vulnerability analysis	<p>List 2 vulnerabilities in the PASTA worksheet that could be exploited.</p> <ul style="list-style-type: none">● <i>Could there be things wrong with the codebase?</i>● <i>Could there be weaknesses in the database?</i>● <i>Could there be flaws in the network?</i>
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>