

PASTA worksheet

Stages	Sneaker company
I. Define business and security objectives	Make 2-3 notes of specific business requirements that will be analyzed. <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	List of technologies used by the application: <ul style="list-style-type: none">• <i>Application programming interface (API)</i>• <i>Public key infrastructure (PKI)</i>• <i>SHA-256</i>• <i>SQL</i> 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
IV. Threat analysis	List 2 types of threats in the PASTA worksheet that are risks to the information being handled by the application. <ul style="list-style-type: none">• <i>What are the internal threats?</i>• <i>What are the external threats?</i>
V. Vulnerability analysis	List 2 vulnerabilities in the PASTA worksheet that could be exploited. <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	List 4 security controls that you've learned about that can reduce risk.
