

PASTA worksheet

Stages	Sneaker company
I. Define business and security objectives	<ul style="list-style-type: none">• Where will the data be stored?• What customer information is saved?• What is different about the regular site in comparison to the app?
II. Define the technical scope	<p>List of technologies used by the application:</p> <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> <p><i>Sql is a standard way to store data. The PKI helps to keep information safe. The API brings in information. SHA-256 helps to hash info to be yet another layer of security.</i></p>
III. Decompose application	Sample data flow diagram
IV. Threat analysis	<ul style="list-style-type: none">• Web Based exploits• SQL injection
V. Vulnerability analysis	<ul style="list-style-type: none">• No prepared statements• No input sanitation
VI. Attack modeling	Sample attack tree diagram
VII. Risk analysis and impact	Principle of least privilege, separation of duties, hashing, password policies
