PASTA worksheet

Stages	Sneaker company
I. Define business and security objectives	Make **2-3 notes** of specific business requirements that will be analyzed. ● *Will the app process transactions? Yes* ● *Does it do a lot of back-end processing? Slightly* ● *Are there industry regulations that need to be considered? PCI-DSS*
II. Define the technical scope	List of technologies 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. APIs handle the most sensitive data in this situation as they are the facilitator of information between customers, partners, and employees. Thus they are prioritized.
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. ● *What are the internal threats? Injection* ● *What are the external threats? Session hijacking*
V. Vulnerability analysis	List **2 vulnerabilities** in the PASTA worksheet that could be exploited. ● *Lack of prepared statements* ● *Broken API token*
VI. Attack modeling	[Sample attack tree diagram](#)
VII. Risk analysis and	List **4 security controls** that you've learned about that can reduce

impact	risk.
	Incident response proecudes, password policy, principle of least priviledge, training