PASTA worksheet

Stages	Sneaker company
I. Define business and security objectives	Make **2-3 notes** of specific business requirements that will be analyzed. ● *App will process transactions.* ● *Most of the processes are back-end as users access info from the database constantly.* ● *GDPR, 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* These technologies ensure payment data and credentials are encrypted and safe. Hashing is a layer of defense that ensures attackers cannot decrypt sensitive information.
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. ● *Employees leak information voluntarily.* ● *Attacker trying to steal user credentials.*
V. Vulnerability analysis	List **2 vulnerabilities** in the PASTA worksheet that could be exploited. ● *There could be sensitive hard-code.* ● *Database vulnerable to SQL injection if poor prepared statements.* ● *No port filtering, default settings on firewall.*
VI. Attack modeling	Sample attack tree diagram
VII. Risk analysis and impact	Policies within the company. Set strong password requirements. IDS/IPS for network security. Ensure there are strong prepared

	statements.