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?* • *Does it do a lot of back-end processing?* • *Are there industry regulations that need to be considered?* ** Yes the APP will process transaction they will be back-end processing but our application is designed with preparation statement and input sanitation all this to remove malicious injections*
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. The API will help customers and business as a the business will be getting data on their customers and customers having the best experiences, the SHA-256 will be used to encrypt data from unauthorized users and SQL injections will be prevented by preparation statement and input sanitation.
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?* • *What are the external threats?* ** Employees exposing sensitive data and SQL injection.*
V. Vulnerability analysis	List **2 vulnerabilities** in the PASTA worksheet that could be exploited. • *Could there be things wrong with the codebase? Yes SQL*

	injection could do a lot of damages to our database • *Could there be weaknesses in the database? Yes malicious actor could get access by hijacking a session and posing a huge risk to the business.* • *Could there be flaws in the network? Yes if we don't have preparation of statement attackers could use search bars and get access to business database.*
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. Preparation statement , input sanitation, conducting a PASTA assessment and encryption of data

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