PASTA worksheet

Stages	Sneaker company
I. Define business and security objectives	 Will the app process transactions? Yes, since the users can order their pairs from the app. Does it do a lot of back-end processing? Creating user profiles, adding items to cart, processing transaction etc Are there industry regulations that need to be considered? The Privacy Act, 2075, 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 APIs are used by the application to interact with other backends that might contain vulnerabilities. Since the API is not under our control, it will have a larger attack surface in our application when compared to others, but the SQL we are using may also be vulnerable to injection attacks, so it should also be thoroughly tested.
III. Decompose application	Sample data flow diagram Searching for sneakers for sale. Product search process Listings of current inventory. Database
IV. Threat analysis	 What are the internal threats? Unaware employees, disgruntled employees, misconfigured elements What are the external threats? Social engineering, injection attacks, session hijacking

