PASTA worksheet

Stages	Sneaker company
I. Define business and security objectives	*The app will process the transaction processing to handle sales, also the app will do a lot of backend processing for sign up, login and payment, As well as we need to follow industry regulation for payment and data privacy.*
II. Define the technical scope	Our biggest concern about app is security and privacy of data so API is the technologies which need to prioritize as the api handle the user interaction which contain sensitive information
III. Decompose application	Sample data flow diagram
IV. Threat analysis	*Internal Threat : Social engineering, Angry Employee, More Privilege* *External Threat : Sql Injection, Session Hijacking*
V. Vulnerability analysis	*Weak Login Credential* *Not having Prepared Statements*
VI. Attack modeling	Sample attack tree diagram
VII. Risk analysis and impact	- SHA-256 - Least Privilege - prepared Statements - User authentication and Strong Password