Risk Plan

Risk	Likelihood	Effect	Mitigation Plan
SQL Injection	Medium	Compromised database security	Use parameterized queries and input validation.
Session Hijacking	High	Unauthorized access to user accounts	Use secure session management (e.g., HTTPS, secure cookies).
Server Downtime	Low	Inability to access the system	Host on a reliable cloud provider and implement load balancing.
Data Loss During Deployment	Medium	Loss of critical user and transaction data	Regular database backups and testing of deployment scripts in staging environments.
Cross-Site Scripting (XSS)	Medium	Theft of user data or malicious script injection	Sanitize user inputs and encode outputs to prevent injection attacks.