Question 1 and 2

Question 1

**Form**

A screenshot of a computer screen

Description automatically generated

**Database structure**

A screenshot of a computer

Description automatically generated

**Table**

A screenshot of a computer

Description automatically generated

Question2

**What is the error in the code provided?**

The issue is the $customerId variable has not been protected against malicious attacks.

**How does this error expose the code to a security risk?**

If $customerId contains data collected from user input, hackers can create arbitrary code to infiltrate the database which could cause harm to the business. For example, passwords may get exposed with ‘always true’ statements or ‘batched’ statements could be used to delete records.

**What would be the appropriate fix to address the vulnerability?**

To the fix the issue the developer will need to be used prepared statements using the following steps.

* in your SQL statement, replace all variables with placeholders.
* prepare the resulting query.
* bind variables to placeholders.
* execute the query.