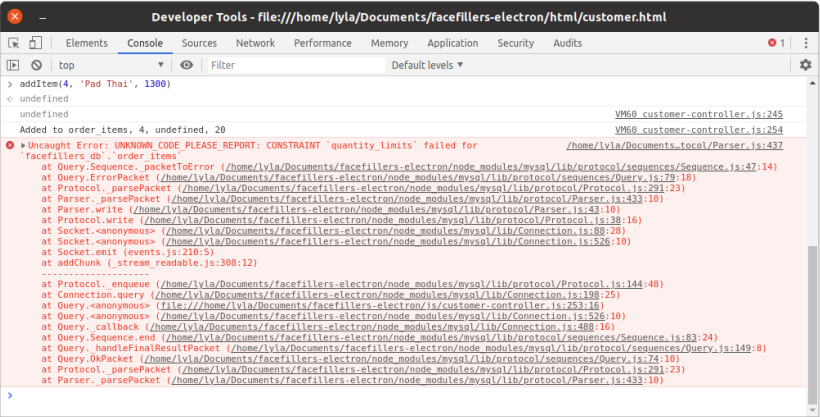

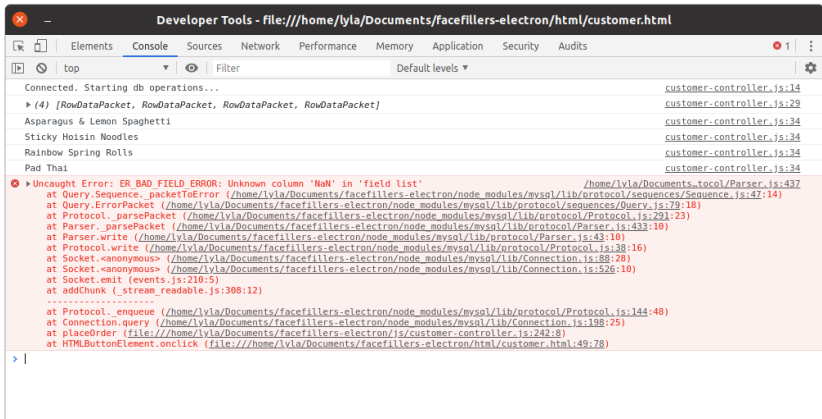


TITLE

Table 1. Form Testing

#	Test Name	Acceptance Criteria	Actual Result	Pass/Fail
1	Attempting to place empty order in UI	<div>1. The HTML button should have the disabled tag removed.</div> <div>2. Clicking the button with an empty cart should work</div> <div>3. No database query should occur</div>	<div><div><div><div><div><div></div><div>The HTML button should have the disabled tag removed.</div></div><div><div></div><div>Clicking the button with an empty cart should work</div></div><div><div></div><div>No database query should occur</div></div></div></div><div>Subtotal</div><div>Cart Empty!</div><div>Total Cost: £0.00 Delivery Estimate: 30 mins</div><div>Place Order</div><div>MariaDB [facefillers_db]> select * from orders; Empty set (0.000 sec)</div></div><td>Pass</td></div>	Pass

#	Test Name	Acceptance Criteria	Actual Result	Pass/Fail
2	Modifying the order to include invalid values should be handled gracefully (1st test)	<div>1. Modify js script to add invalid value to the quantity in the cart</div> <div>2. Having an order placed with 20 item quantity shouldn't result in an order being placed (Original max is 10 items)</div>	<div>✓ Modify js script to add invalid value to the quantity in the cart</div> <div>✓ Having an order placed with 20 item quantity shouldn't result in an order being placed (Original max is 10 items)</div> <div></div> <div>The function errors out, but the validation in the database holds.</div>	<div>Pass</div>

#	Test Name	Acceptance Criteria	Actual Result	Pass/Fail
3	Modifying the order to include invalid values should be handled gracefully (2nd test)	<div>1. Modify js script to add invalid value to the quantity in the cart</div> <div>2. Placing an order with an invalid (string) quantity shouldn't result in an order being placed</div>	<div><div><div>✓</div>Modify js script to add invalid value to the quantity in the cart</div><div><div>✓</div>Placing an order with an invalid (string) quantity shouldn't result in an order being placed</div></div> <div></div> <div></div> <div>The function errors out, but the validation in the database holds.</div>	<div>Pass</div>

#	Test Name	Acceptance Criteria	Actual Result	Pass/Fail
4	Modifying the order confirmation status update value in the store page should be handled gracefully.	<div>1. Modify js script to add invalid value to the acceptOrder <code>status</code> function</div> <div>2. The order shouldn't update in the database to an invalid value</div>	<div><div><div><div><div><div>Order #1</div><div>Placed at 19:2</div><div>Status: preparing</div></div><div>Order Ready</div><div>Contact Customer</div></div></div></div></div> <div>ERROR: CONSTRAINT `allowed statuses` failed for `facefillers_db`.`orders` .../Documents/facefillers-electron/node_modules/mysql/lib/protocol/sequences/Query.js:164:16</div> <div>The change fails gracefully, as the constraints in the database itself hold.</div>	Pass

#	Test Name	Acceptance Criteria	Actual Result	Pass/Fail
5	Accepting an order that doesn't exist should fail gracefully	<ol style="list-style-type: none">1. Modify js script to add invalid value to the acceptOrder i function2. The order shouldn't update in the database to an invalid value3. Additionally, an error should occur	<div><input checked="" type="checkbox"/> Modify js script to add invalid value to the acceptOrder i function</div> <div><input checked="" type="checkbox"/> The order shouldn't update in the database to an invalid value</div> <div><input type="checkbox"/> No error occurs</div> <div><pre>= " + orderNumber + 20 + ";</pre></div> <div><pre>MariaDB [facefillers_db]> select * from orders; +-----+-----+-----+-----+-----+ order_id store_id customer_id order_status date_created +-----+-----+-----+-----+-----+ 1 1 1 preparing 2024-01-01 +-----+-----+-----+-----+-----+ 1 row in set (0.000 sec)</pre></div> <div>The console doesn't report an error, but the page doesn't progress and the report shows no new element was added. Presumably, this means that the status could be updated for an arbitrary order from any client, regardless of what state or store owns it. Considering this a fail; good enough for a mockup, but not at all functional for a production build.</div>	<div>Fail</div>

#	Test Name	Acceptance Criteria	Actual Result	Pass/Fail
6	Test order page customer contact button for invalid ID	<ol style="list-style-type: none"> 1. Add a new order with an invalid customer ID reference 2. If the order isn't added, consider a pass. 3. If it is, a console error when loading contact info would be a fail. 	<div> <input checked="" type="checkbox"/> Add a new order with an invalid customer ID reference </div> <div> <input checked="" type="checkbox"/> If the order isn't added, consider a pass. </div> <div> <pre>ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`facefillers_db`.`orders`, CONSTRAINT `orders_ibfk_2` FOREIGN KEY (`customer_id`) REFERENCES `customers` (`customer_id`))</pre> </div> <div>Order isn't added due to a 'foreign key constraint'.</div>	Pass
7	Test courier page loading a 'normal' order.	<ol style="list-style-type: none"> 1. Place a valid order using the customer page as the only order 2. Progress the order to "toCollect" using store page 3. Courier page loads the order successfully 	<div> <input checked="" type="checkbox"/> Place a valid order using the customer page as the only order </div> <div> <input checked="" type="checkbox"/> Progress the order to "toCollect" using store page </div> <div> <input checked="" type="checkbox"/> Courier page loads the order successfully </div>	Pass

#	Test Name	Acceptance Criteria	Actual Result	Pass/Fail
8	Test courier page assigning invalid progression to order (Collection Stage)	<ol style="list-style-type: none"> 1. Modify javascript to set order to "invalid" instead of "toDeliver" 2. Database constraints should prevent the change 3. Error in console, page doesn't progress, database stays clean 	<div> <input checked="" type="checkbox"/> Modify javascript to set order to "invalid" instead of "toDeliver" </div> <div> <input checked="" type="checkbox"/> Database constraints should prevent the change </div> <div> <input checked="" type="checkbox"/> Error in console, page doesn't progress, database stays clean </div> <pre> if (status == 'toDeliver') { db.query("UPDATE orders SET order_status = 'invalid' WHERE order_id = " + id + ";"); } </pre> <div> CONSTRAINT `allowed_statuses` failed for `facefillers_db`.`orders` yla/Documents/facefillers-electron/node_modules/mysql/lib/protocol/s </div>	Pass

#	Test Name	Acceptance Criteria	Actual Result	Pass/Fail
9	Test adding an order using a query with no child items	<div>1. Add an order using the command line that would be equivalent to an order produced in-app</div> <div>2. The store and courier page should display them as normal, just with no items included</div>	<div><div><div><div><div>Order #4</div><div>Placed at 14:36</div><div>Status: waiting</div></div><div><div>Accept Order</div><div>Contact Customer</div></div></div><div><div>Order #4</div><div>Placed at 14:36</div><div>Status: preparing</div></div><div><div>Order Ready</div><div>Contact Customer</div></div></div><div>Placed at 14:36</div><div><div><div>Store Info</div><div>Plant B</div><div>23 High Street, BN11 1PE</div></div><div><div>Customer Info</div><div>Jane Doe</div><div>89 Bullwood Rd, St Clether, BN11 4EA</div></div></div><div>Order Info</div></div>	<div>Pass</div>

#	Test Name	Acceptance Criteria	Actual Result	Pass/Fail
10	Test adding an order using a query with an invalid customer ID	<ol style="list-style-type: none"> 1. Add an order using the command line that would be equivalent to an order produced in-app, with an invalid customer ID reference 2. The constraints in the database should prevent this 	<p>☑ Add an order using the command line that would be equivalent to an order produced in-app, with an invalid store ID reference</p> <p>☑ The constraints in the database should prevent this</p> <pre>ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`facefillers_db`.`orders`, CONSTRAINT `orders_ibfk_2` FOREIGN KEY (`customer_id`) REFERENCES `customers` (`customer_id`))</pre>	Pass
11	Test adding an order using a query with an invalid store ID	<ol style="list-style-type: none"> 1. Add an order using the command line that would be equivalent to an order produced in-app, with an invalid store ID reference 2. The constraints in the database should prevent this 	<p>☑ Add an order using the command line that would be equivalent to an order produced in-app, with an invalid store ID reference</p> <p>☑ The constraints in the database should prevent this</p> <pre>ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`facefillers_db`.`orders`, CONSTRAINT `orders_ibfk_2` FOREIGN KEY (`customer_id`) REFERENCES `customers` (`customer_id`))</pre>	
12	Test adding new menu_item with invalid store reference	<ol style="list-style-type: none"> 1. Use a query to add a new menu item, with an invalid store reference (10) 2. Should be stopped by constraints 3. Database remains clean 	<p>☑ Use a query to add a new menu item, with an invalid store reference (10)</p> <p>☑ Should be stopped by constraints</p> <p>☑ Database remains clean</p> <pre>ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`facefillers_db`.`menu_items`, CONSTRAINT `menu_items_ibfk_1` FOREIGN KEY (`store_id`) REFERENCES `stores` (`store_id`))</pre>	

#	Test Name	Acceptance Criteria	Actual Result	Pass/Fail
13	Test adding a new customer to the database, the applet should work the same (Jane Doe)	<ol style="list-style-type: none"> 1. Add a new customer with new information 2. The applet should work the same; Check customer contact info, should still be the same 	<div> <input checked="" type="checkbox"/> Add a new customer with new information <input checked="" type="checkbox"/> The applet should work the same; Check customer contact info, should still be the same </div> <div>Query OK, 1 row affected (0.008 sec)</div> <div>Order #7</div> <div>Contact Number: +44 1632 960413</div>	Pass
14	Test adding a store with an invalid or different ID	<ol style="list-style-type: none"> 1. Add a store with an invalid id (-1) 2. Adding the store should fail 3. Database remains clean 	<div> <input checked="" type="checkbox"/> Add a store with an invalid id (-1) <input checked="" type="checkbox"/> Adding the store should fail <input checked="" type="checkbox"/> Database remains clean </div> <div> MariaDB [facefillers_db]> INSERT INTO stores (store_id, store_name, store_address) VALUES (-1, "invalid", "invalid"); ERROR 1264 (22003): Out of range value for column 'store_id' at row 1 </div>	Pass

