Test Cases for CUSTOMERS Table

```
-- -----------------------------------------------------------------------------
                            customers_customer_id_pk
-- -----------------------------------------------------------------------------

--                              ** Valid test **
-- Expected results: Insert statement add a row in the customers table
-- Action:
INSERT INTO customers
VALUES (100000, 'Maria', 'Gutierrez', '2000-08-17', 'maria@gmail.com', 'F', '3183908929',
'Torres de la Javeriana', 'Torres de la Javeriana', NULL, NULL, 'M4H1B6', NULL);
-- Test results: 1 row(s) affected
```



```
-- -----------------------------------------------------------------------------
                              ** InValid test **
-- Expected results: Insert statement fails to add a row in the customers table
-- Action:
INSERT INTO customers
VALUES (100000, 'John', 'Alexander', '1995-10-17', 'alexander@gmail.com', 'M',
'6478601662', '347 Lawson Road', '347 Lawson Road', NULL, NULL, 'M1C2J8', NULL);
-- Test results: Error Code: 1062. Duplicate entry '100000' for key 'customers.PRIMARY'
```



```
-- -----------------------------------------------------------------------------
                              customers_email_uk
-- -----------------------------------------------------------------------------

                              ** Valid test **
-- Expected results: Insert statement add a row in the customers table
-- Action:
INSERT INTO customers
VALUES (100001, 'Paul', 'Smith', '1994-05-25', 'paula@gmail.com', 'F', '3102245116',
'Midland 54675 RD', 'Midland 54675 RD', NULL, NULL, 'M2M3W8', NULL);
-- Test results: 1 row(s) affected
```



```
-- -----------------------------------------------------------------------------
                              ** InValid test **
-- Expected results: Update statement fails to modify a row in the customers table
-- Action:
UPDATE customers
SET email = 'paula@gmail.com'
WHERE customer_id = 100000;
-- Test results: Error Code: 1062. Duplicate entry 'paula@gmail.com' for key
'customers.customers_email_uk'
```

```
-- --------------------------------------------------------------------------
                        customers_contact_number_uk
-- --------------------------------------------------------------------------

--                               ** Valid test **
-- Expected results: Update statement modifies a row in the customers table
-- Action:
UPDATE customers
SET contact_number = '3152896959'
WHERE customer_id = 100000;
-- Test results: 1 row(s) affected Rows matched: 1  Changed: 1  Warnings: 0
```

```
-- --------------------------------------------------------------------------
                        ** InValid test **
-- Expected results: Update statement fails to modify a row in the customers table
-- Action:
UPDATE customers
SET contact_number = '3152896959'
WHERE customer_id = 100001;
-- Test results: Error Code: 1062. Duplicate entry '3152896959' for key
'customers.customers_contact_number_uk'
```

```
-- --------------------------------------------------------------------------
                        customers_favorite_craft_fk
-- --------------------------------------------------------------------------
-- IMPORTANT: 000001, 000002, 000003 craft_id exits in crafts table
--                               ** Valid test **
-- Expected results: Update statement modifies a row in the customers table
-- Action:
UPDATE customers
SET favorite_craft = 100000
WHERE customer_id = 100000;
-- Test results: 1 row(s) affected Rows matched: 1  Changed: 1  Warnings: 0
```

```
-- ------------------------------------------------------------------------------
                            ** InValid test **
-- Expected results: Update statement fails to modify a row in the customers table
-- Action:
UPDATE customers
SET favorite_craft = 000004
WHERE customer_id = 100000;
-- Test results: Error Code: 1452. Cannot add or update a child row: a foreign key
constraint fails (`one_less_craft`.`customers`, CONSTRAINT `customers_favorite_craft_fk`
FOREIGN KEY (`favorite_craft`) REFERENCES `crafts` (`craft_id`))
```



```
-- ------------------------------------------------------------------------------
                            customers_zip_code_fk
-- ------------------------------------------------------------------------------
-- IMPORTANT: M1C2J8, M4H1B6, M2M3W8 zip_code exits in zips table
--                              ** Valid test **
-- Expected results: Update statement modifies a row in the customers table
-- Action:
UPDATE customers
SET zip_code = 'M1C2J8'
WHERE customer_id = 100000;
-- Test results: 1 row Inserted
```



```
-- ------------------------------------------------------------------------------
                            ** InValid test **
-- Expected results: Update statement fails to modify a row in the customers table
-- Action:
UPDATE customers
SET zip_code = 'M4T9K3'
WHERE customer_id = 100000;
-- Test results: Error Code: 1452. Cannot add or update a child row: a foreign key
constraint fails (`one_less_craft`.`customers`, CONSTRAINT `customers_zip_code_fk`
FOREIGN KEY (`zip_code`) REFERENCES `zips` (`zip_code`))
```



```
-- ------------------------------------------------------------------------------
                        customers_preferred_sales_rep_fk
-- ------------------------------------------------------------------------------
-- IMPORTANT: 100001, 100002, 100003 employee_id exits in employees table
--                              ** Valid test **
-- Expected results: Update statement modifies a row in the customers table
-- Action:
UPDATE customers
```

```sql
SET preferred_sales_rep = 100001
WHERE customer_id = 100000;
-- Test results: 1 row(s) affected Rows matched: 1  Changed: 1  Warnings: 0
```


#	Time	Action	Message	Duration / Fetch
✅ 1	14:42:51	UPDATE customers SET preferred_sales_rep = 100001 WHERE customer_id = 100000	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec

```sql
-- --------------------------------------------------------------------------
--                         ** InValid test **
-- Expected results: Update statement fails to modify a row in the customers table
-- Action:
UPDATE customers
SET preferred_sales_rep = 100004
WHERE customer_id = 100000;
-- Test results: Error Code: 1452. Cannot add or update a child row: a foreign key
constraint fails (`one_less_craft`.`customers`, CONSTRAINT
`customers_preferred_sales_rep_fk` FOREIGN KEY (`preferred_sales_rep`) REFERENCES
`employees` (`employee_id`))
```


#	Time	Action	Message	Duration / Fetch
❌ 1	14:43:34	UPDATE customers SET preferred_sales_rep = 100004 WHERE customer_id = 100000	Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails (`one_less_craft`.`customers`, CONSTRAINT `customers_preferred_sales_rep_fk` FOREIGN KEY ('pref...	0.015 sec

```sql
-- --------------------------------------------------------------------------
--                          customers_email
-- --------------------------------------------------------------------------

--                          ** Valid test **
-- Expected results: Insert statement add a row in the customers table
-- Action:
INSERT INTO customers
VALUES (100002, 'John', 'Alexander', '1995-10-17', 'alexander@gmail.com', 'M',
'6478601662', '347 Lawson Road', '347 Lawson Road', NULL, NULL, 'M1C2J8', NULL);
-- Test results: 1 row(s) affected
```


#	Time	Action	Message	Duration / Fetch
✅ 1	14:44:50	INSERT INTO customers VALUES (100002, 'John', 'Alexander', '1995-10-17', 'alexander@gmail.com', 'M', '6478601662', '347 Lawson Road', '347 Lawson Road', NULL, NULL, 'M1C2J8', NULL)	1 row(s) affected	0.000 sec

```sql
-- --------------------------------------------------------------------------
--                         ** InValid test **
-- Expected results: Update statement fails to modify a row in the customers table
-- Action:
UPDATE customers
SET email = 'alexander@gmailcom'
WHERE customer_id = 100002;
-- Test results: Error Code: 3819. Check constraint 'customers_email' is violated.
```


#	Time	Action	Message	Duration / Fetch
❌ 1	14:46:06	UPDATE customers SET email = 'alexander@gmailcom' WHERE customer_id = 100002	Error Code: 3819. Check constraint 'customers_email' is violated.	0.000 sec

```
-- ----------------------------------------------------------------------
                            customers_gender
-- ----------------------------------------------------------------------

--                          ** Valid test **
-- Expected results: Insert statement add a row in the customers table
-- Action:
INSERT INTO customers
VALUES (100003, 'Tatiana', 'Marquez', '1997-09-16', 'tatiana@gmail.com', 'F',
'6474536789', '347 Lawson Road', '347 Lawson Road', NULL, NULL, 'M1C2J8', NULL);
-- Test results: 1 row(s) affected
```

#	Time	Action	Message	Duration / Fetch
⊘ 1	14:46:52	INSERT INTO customers VALUES (100003, 'Tatiana', 'Marquez', '1997-09-16', 'tatiana@gmail.com', 'F', '6474536789', '347 Lawson Road', '347 Lawson Road', NULL, NULL, 'M1C2J8', NULL)	1 row(s) affected	0.015 sec

```
-- ----------------------------------------------------------------------
                          ** InValid test **
-- Expected results: Update statement fails to modify a row in the customers table
-- Action:
UPDATE crafts
SET gender = 'B'
WHERE customer_id = 100003;
-- Test results: Error Code: 1054. Unknown column 'customer_id' in 'where clause'
```

#	Time	Action	Message	Duration / Fetch
⊗ 1	14:47:31	UPDATE crafts SET gender = 'B' WHERE customer_id = 100003	Error Code: 1054. Unknown column 'customer_id' in 'where clause'	0.000 sec