

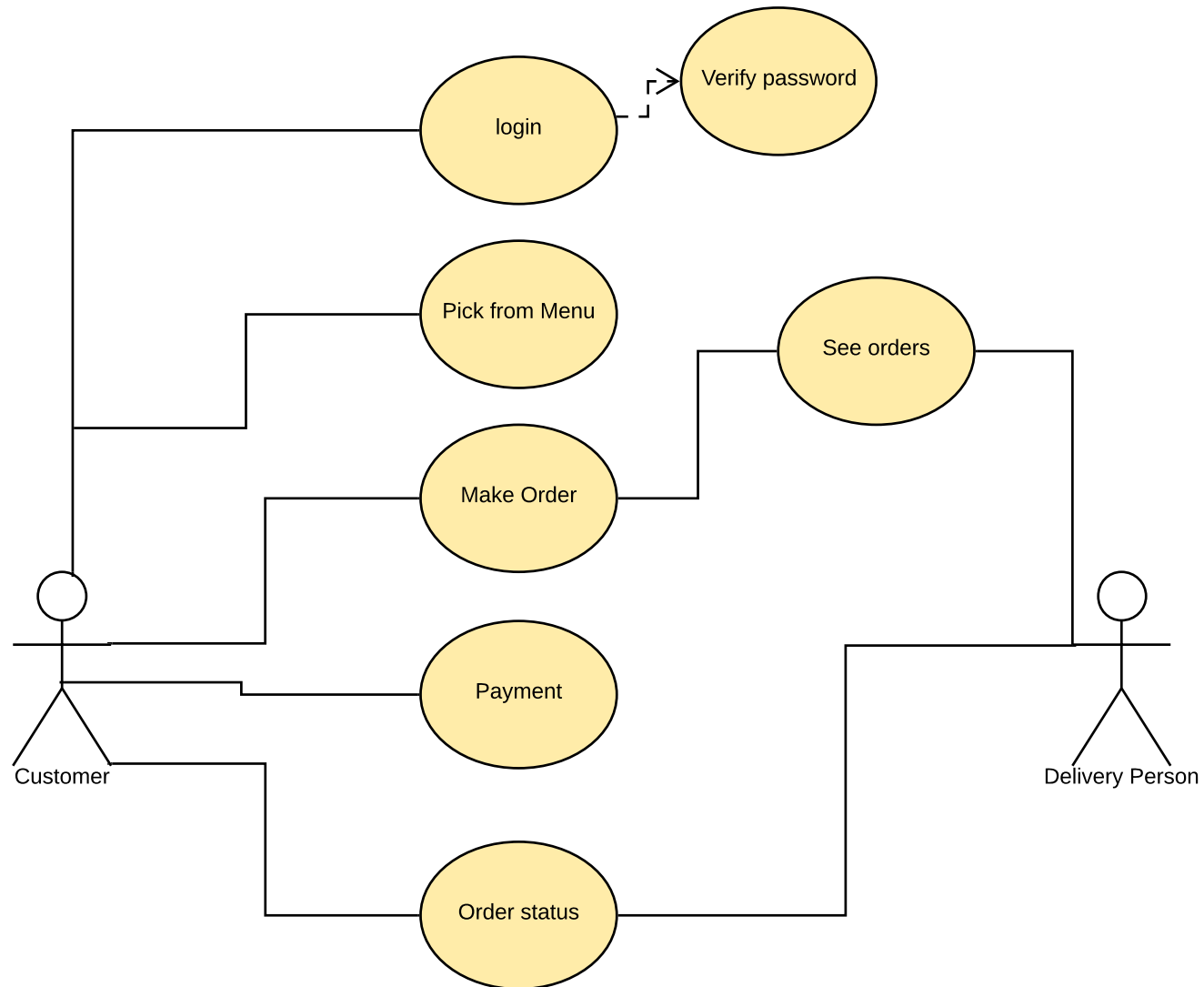
ExpressFood



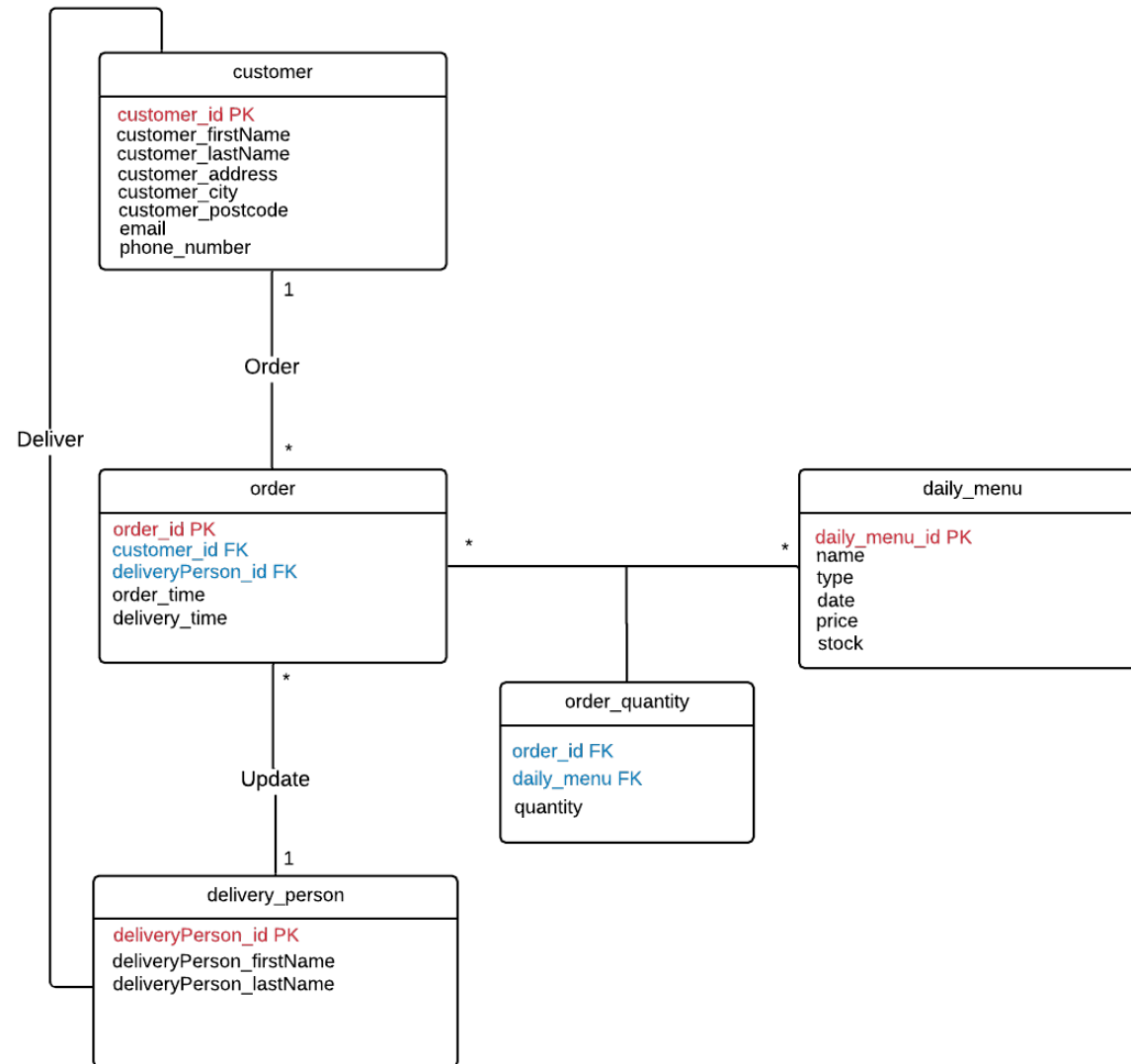
Order Process

- **Customer looks through daily menu**
- **Customer chooses menu items and makes order**
- **Order is then passed to the delivery driver**
- **Delivery driver delivers order within 20 minutes**
- **Order is complete and then added to the customers order history**

Use case Diagram



ClassDiagram



SQL Queries & Database

Table ▲	Action	Rows ?	Type	Collation	Size	Overhead
<input type="checkbox"/> customer	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_unicode_ci	16 KiB	-
<input type="checkbox"/> daily_menu	★ Browse Structure Search Insert Empty Drop	20	InnoDB	utf8mb4_unicode_ci	16 KiB	-
<input type="checkbox"/> delivery_person	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_unicode_ci	16 KiB	-
<input type="checkbox"/> order	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_unicode_ci	48 KiB	-
<input type="checkbox"/> order_quantity	★ Browse Structure Search Insert Empty Drop	15	InnoDB	utf8mb4_unicode_ci	48 KiB	-
5 table(s)	Sum	50	InnoDB	utf8mb4_unicode_ci	144 KiB	0 B

	customer_id	customer_firstName	customer_lastName	customer_address	customer_city	customer_postcode	customer_email	customer_phoneNumber
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	David	Moore	28 Yardley Wood Road	Birmingham	B13 0TB	david_moore@hotmail.com	0121247847
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	Paul	Davis	12 Beecham Road	Birmingham	B13 2AB	davis_paul@gmail.com	01213332735
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	Paul	Jones	76 Chamberlain Crescent	Solihull	B90 2DG	paul_jones@live.co.uk	01217652901
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	Donna	Chamberlain	16 Hurdis Road	Solihull	B90 2TB	donna_chamb@hotmail.com	01214562345
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	Sarah	Forrest	68 Stratford Road	Solihull	B90 1DD	forrest_sarah@gmail.com	01212435689

```
CREATE TABLE `customer` (
  `customer_id` int(11) NOT NULL,
  `customer_firstName` varchar(50) COLLATE utf8mb4_unicode_ci NOT NULL,
  `customer_lastName` varchar(50) COLLATE utf8mb4_unicode_ci NOT NULL,
  `customer_address` varchar(100) COLLATE utf8mb4_unicode_ci NOT NULL,
  `customer_city` varchar(20) COLLATE utf8mb4_unicode_ci NOT NULL,
  `customer_postcode` char(10) COLLATE utf8mb4_unicode_ci NOT NULL,
  `customer_email` varchar(30) COLLATE utf8mb4_unicode_ci NOT NULL,
  `customer_phoneNumber` varchar(20) COLLATE utf8mb4_unicode_ci NOT NULL
```

```
INSERT INTO `customer` (`customer_id`, `customer_firstName`, `customer_lastName`, `customer_address`, `customer_city`,
`customer_postcode`, `customer_email`, `customer_phoneNumber`) VALUES
(1, 'David', 'Moore', '28 Yardley Wood Road', 'Birmingham', 'B13 0TB', 'david_moore@hotmail.com', '0121247847'),
(2, 'Paul', 'Davis', '12 Beecham Road', 'Birmingham', 'B13 2AB', 'davis_paul@gmail.com', '01213332735'),
(3, 'Paul', 'Jones', '76 Chamberlain Crescent', 'Solihull', 'B90 2DG', 'paul_jones@live.co.uk', '01217652901'),
(4, 'Donna', 'Chamberlain', '16 Hurdis Road', 'Solihull', 'B90 2TB', 'donna_chamb@hotmail.com', '01214562345'),
(5, 'Sarah', 'Forrest', '68 Stratford Road', 'Solihull', 'B90 1DD', 'forrest_sarah@gmail.com', '01212435689');
```

	daily_menu_id	name	type	Dietary	date	price	stock
<input type="checkbox"/> Edit Copy Delete	1	Lasagne	Main	Meat	2019-07-01	6	20
<input type="checkbox"/> Edit Copy Delete	2	Vegetable Curry	Main	Vegan	2019-07-01	6	30
<input type="checkbox"/> Edit Copy Delete	3	Black Forest Gateau	Dessert	Vegan	2019-07-01	4	20
<input type="checkbox"/> Edit Copy Delete	4	Chocolate Fudge Cake	Dessert	Dairy	2019-07-01	4	30
<input type="checkbox"/> Edit Copy Delete	5	Beef Stew	Main	Meat	2019-07-02	6	40
<input type="checkbox"/> Edit Copy Delete	6	Mac and Cheese	Main	Vegetarian	2019-07-02	5	30
<input type="checkbox"/> Edit Copy Delete	7	Tiramisu	Dessert	Dairy	2019-07-02	4	38
<input type="checkbox"/> Edit Copy Delete	8	Carrot Cake	Dessert	Vegan	2019-07-02	4	28
<input type="checkbox"/> Edit Copy Delete	9	Moussaka	Main	Meat	2019-07-03	6	53
<input type="checkbox"/> Edit Copy Delete	10	Cheese and Tomato Pizza	Main	Vegetarian	2019-07-03	5	46
<input type="checkbox"/> Edit Copy Delete	11	Strawberry Cheesecake	Dessert	Dairy	2019-07-03	4	47
<input type="checkbox"/> Edit Copy Delete	12	Vanilla Cake	Dessert	Vegan	2019-07-03	4	35
<input type="checkbox"/> Edit Copy Delete	13	Chicken Curry	Main	Meat	2019-07-04	5	56
<input type="checkbox"/> Edit Copy Delete	14	Fish and Chips	Main	Vegetarian	2019-07-04	4	45
<input type="checkbox"/> Edit Copy Delete	15	Chocolate Brownie	Dessert	Dairy	2019-07-04	4	40
<input type="checkbox"/> Edit Copy Delete	16	Pancakes	Dessert	Vegan	2019-07-04	5	36
<input type="checkbox"/> Edit Copy Delete	17	Tuna Pasta Bake	Main	Vegetarian	2019-07-05	5	31
<input type="checkbox"/> Edit Copy Delete	18	Veggie Burger	Main	Vegan	2019-07-05	6	27
<input type="checkbox"/> Edit Copy Delete	19	Profiteroles	Dessert	Dairy	2019-07-05	4	36
<input type="checkbox"/> Edit Copy Delete	20	Cookie Dough Ice Cream	Dessert	Vegan	2019-07-05	5	42

```
CREATE TABLE `daily_menu` (
  `daily_menu_id` int(11) NOT NULL,
  `name` varchar(50) COLLATE utf8mb4_unicode_ci NOT NULL,
  `type` varchar(20) COLLATE utf8mb4_unicode_ci NOT NULL,
  `Dietary` varchar(20) COLLATE utf8mb4_unicode_ci NOT NULL,
  `date` date NOT NULL,
  `price` int(10) NOT NULL,
  `stock` int(50) NOT NULL
```

```
INSERT INTO `daily_menu` (`daily_menu_id`, `name`, `type`, `Dietary`, `date`, `price`, `stock`)
VALUES
(1, 'Lasagne', 'Main', 'Meat', '2019-07-01', 6, 20),
(2, 'Vegetable Curry', 'Main', 'Vegan', '2019-07-01', 6, 30),
(3, 'Black Forest Gateau', 'Dessert', 'Vegan', '2019-07-01', 4, 20),
(4, 'Chocolate Fudge Cake', 'Dessert', 'Dairy', '2019-07-01', 4, 30),
(5, 'Beef Stew', 'Main', 'Meat', '2019-07-02', 6, 40),
(6, 'Mac and Cheese', 'Main', 'Vegetarian', '2019-07-02', 5, 30),
(7, 'Tiramisu', 'Dessert', 'Dairy', '2019-07-02', 4, 38),
(8, 'Carrot Cake', 'Dessert', 'Vegan', '2019-07-02', 4, 28),
(9, 'Moussaka', 'Main', 'Meat', '2019-07-03', 6, 53),
(10, 'Cheese and Tomato Pizza', 'Main', 'Vegetarian', '2019-07-03', 5, 46),
(11, 'Strawberry Cheesecake', 'Dessert', 'Dairy', '2019-07-03', 4, 47),
(12, 'Vanilla Cake', 'Dessert', 'Vegan', '2019-07-03', 4, 35),
(13, 'Chicken Curry', 'Main', 'Meat', '2019-07-04', 5, 56),
(14, 'Fish and Chips', 'Main', 'Vegetarian', '2019-07-04', 4, 45),
(15, 'Chocolate Brownie', 'Dessert', 'Dairy', '2019-07-04', 4, 40),
(16, 'Pancakes', 'Dessert', 'Vegan', '2019-07-04', 5, 36),
(17, 'Tuna Pasta Bake', 'Main', 'Vegetarian', '2019-07-05', 5, 31),
(18, 'Veggie Burger', 'Main', 'Vegan', '2019-07-05', 6, 27),
(19, 'Profiteroles', 'Dessert', 'Dairy', '2019-07-05', 4, 36),
(20, 'Cookie Dough Ice Cream', 'Dessert', 'Vegan', '2019-07-05', 5, 42);
```

	deliveryPerson_id	deliveryPerson_firstName	deliveryPerson_lastName
<input type="checkbox"/> Edit Copy Delete	1	Derek	Hickman
<input type="checkbox"/> Edit Copy Delete	2	Omar	Shareef
<input type="checkbox"/> Edit Copy Delete	3	Joe	Lineham
<input type="checkbox"/> Edit Copy Delete	4	Jared	Chillbrook
<input type="checkbox"/> Edit Copy Delete	5	Terry	Silvers

```
CREATE TABLE `delivery_person` (
  `deliveryPerson_id` int(11) NOT NULL,
  `deliveryPerson_firstName` varchar(30) COLLATE utf8mb4_unicode_ci NOT NULL,
  `deliveryPerson_lastName` varchar(30) COLLATE utf8mb4_unicode_ci NOT NULL
```

```
INSERT INTO `delivery_person` (`deliveryPerson_id`, `deliveryPerson_firstName`, `deliveryPerson_lastName`) VALUES
(1, 'Derek', 'Hickman'),
(2, 'Omar', 'Shareef'),
(3, 'Joe', 'Lineham'),
(4, 'Jared', 'Chillbrook'),
(5, 'Terry', 'Silvers');
```


		order_id	customer_id	deliveryPerson_id	order_time	delivery_time
<input type="checkbox"/>  Edit  Copy  Delete		1	4	3	2019-07-01 16:16:00	2019-07-01 16:33:00
<input type="checkbox"/>  Edit  Copy  Delete		2	5	2	2019-07-02 13:01:00	2019-07-02 13:19:00
<input type="checkbox"/>  Edit  Copy  Delete		3	2	1	2019-07-02 16:08:00	2019-07-02 16:15:00
<input type="checkbox"/>  Edit  Copy  Delete		4	3	4	2019-07-03 12:18:00	2019-07-03 12:33:00
<input type="checkbox"/>  Edit  Copy  Delete		5	1	5	2019-07-04 13:22:00	2019-07-04 13:41:00

```
CREATE TABLE `order` (
  `order_id` int(11) NOT NULL,
  `customer_id` int(11) NOT NULL,
  `deliveryPerson_id` int(11) NOT NULL,
  `order_time` datetime NOT NULL,
  `delivery_time` datetime NOT NULL
```

```
INSERT INTO `order` (`order_id`, `customer_id`, `deliveryPerson_id`, `order_time`, `delivery_time`)
VALUES
(1, 4, 3, '2019-07-01 16:16:00', '2019-07-01 16:33:00'),
(2, 5, 2, '2019-07-02 13:01:00', '2019-07-02 13:19:00'),
(3, 2, 1, '2019-07-02 16:08:00', '2019-07-02 16:15:00'),
(4, 3, 4, '2019-07-03 12:18:00', '2019-07-03 12:33:00'),
(5, 1, 5, '2019-07-04 13:22:00', '2019-07-04 13:41:00');
```

order_id	daily_menu	quantity
1	1	1
1	2	1
1	3	1
1	4	1
2	5	2
2	8	2
3	5	2
3	8	2
4	10	1
4	9	1
4	11	1
4	12	1
5	13	2
5	15	2

```
CREATE TABLE `order_quantity` (
  `order_id` int(20) NOT NULL,
  `daily_menu` int(20) NOT NULL,
  `quantity` int(20) NOT NULL
```

```
INSERT INTO `order_quantity` (`order_id`, `daily_menu`, `quantity`) VALUES
(1, 1, 1),
(1, 2, 1),
(1, 3, 1),
(1, 4, 1),
(2, 5, 2),
(2, 8, 2),
(3, 5, 2),
(3, 8, 2),
(4, 10, 1),
(4, 9, 1),
(4, 11, 1),
(4, 12, 1),
(5, 13, 2),
(5, 15, 2);
```