



Enterprise Application Development Lab 1

Output Screenshots

Finn McLaughlin - C15536837

Part 1

List Email & Sex of All Users

```
localhost:3000/users

[
  - {
    email: "Shari.Julian@yahoo.com",
    details: ""sex"=>"M"
  },
  - {
    email: "Evelyn.Patnode@gmail.com",
    details: ""sex"=>"M"
  },
  - {
    email: "Layne.Sarver@aol.com",
    details: ""sex"=>"M"
  },
  - {
    email: "Quinton.Gilpatrick@yahoo.com",
    details: ""sex"=>"M"
  },
  - {
    email: "Graciela.Kubala@yahoo.com",
    details: ""sex"=>"F"
  },
  - {
    email: "Derek.Knittel@gmail.com",
    details: ""sex"=>"F"
  },
  - {
    email: "Theresia.Edwin@yahoo.com",
    details: ""sex"=>"M"
  },
  - {
    email: "Williams.Upson@gmail.com",
    details: ""sex"=>"F"
  },
  - {
    email: "Glen.Lanphear@yahoo.com",
    details: null
  },
  - {
    email: "Ozella.Yoshimura@gmail.com",
    details: ""sex"=>"M"
  },
  - {
    email: "Samatha.Hedgpeth@yahoo.com",
    details: ""sex"=>"F"
  },
  - {
    email: "Isabel.Breeding@gmail.com",
    details: null
  },
  - {
    email: "Kali.Damore@yahoo.com",
    details: ""sex"=>"F"
  },
]
```

List Email & Sex of Specific User

```
localhost:3000/users/6

[
  - {
    id: 6,
    email: "Samatha.Hedgpeth@yahoo.com",
    password: "e129316bf01b0440247414b715726956",
    details: ""sex"=>"F",
    created_at: "2010-07-18T10:40:00.000Z",
    deleted_at: null
  }
]
```

List All Products

← → ↻ ⓘ localhost:3000/products

```
[
  - {
    id: 5,
    title: "Coloring Book",
    price: "5.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    - tags: [
      "Book",
      "Children"
    ]
  },
  - {
    id: 4,
    title: "Baby Book",
    price: "7.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    - tags: [
      "Book",
      "Children",
      "Baby"
    ]
  },
  - {
    id: 1,
    title: "Dictionary",
    price: "9.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    - tags: [
      "Book"
    ]
  },
  - {
    id: 11,
    title: "Classical CD",
    price: "9.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    - tags: [
      "Music"
    ]
  },
  - {
    id: 12,
    title: "Holiday CD",
    price: "9.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    - tags: [
      "Music"
    ]
  }
]
```

List Specific Product

← → ↻ ⓘ localhost:3000/products/11

```
[
  - {
    id: 11,
    title: "Classical CD",
    price: "9.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    - tags: [
      "Music"
    ]
  }
]
```

List Specific Purchase Info

← → ↻ ⓘ localhost:3000/purchases

```
[
  - {
    name: "Letitia Levron",
    address: "5598 58th Ave.",
    email: "Stacia.Schrack@aol.com",
    price: "899.99",
    quantity: 1,
    state: "Delivered"
  },
  - {
    name: "Becky Roff",
    address: "9183 46th Ave.",
    email: "Eleanor.Patnode@yahoo.com",
    price: "899.99",
    quantity: 1,
    state: "Delivered"
  },
  - {
    name: "Alfonzo Bodkin",
    address: "8338 18th Ave.",
    email: "Zita.Luman@yahoo.com",
    price: "899.99",
    quantity: 4,
    state: "Delivered"
  },
  - {
    name: "Berta Fruchter",
    address: "3528 31st St.",
    email: "Zita.Breeding@gmail.com",
    price: "899.99",
    quantity: 1,
    state: "Delivered"
  },
  - {
    name: "Brandon Moe",
    address: "5863 45th St.",
    email: "Glen.Lanphear@yahoo.com",
    price: "899.99",
    quantity: 1,
    state: "Delivered"
  },
  - {
    name: "Divina Hamill",
    address: "2183 58th Ave.",
    email: "Gudrun.Arends@gmail.com",
    price: "899.99",
    quantity: 1,
    state: "Delivered"
  },
  - {
    name: "Isabel Crissman",
    address: "1992 58th Ave."
  }
]
```

Part 2

List Product Filtered by Title

```
localhost:3000/products?name=Baby%20Book

[
  - {
    id: 4,
    title: "Baby Book",
    price: "7.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    tags: [
      "Book",
      "Children",
      "Baby"
    ]
  }
]
```

Insert Temp Product

```
( ?name=Baby Book'; insert into products (id, title, price) values
(210, 'Baby Book', '15.95'); -- )
```

```
localhost:3000/products?name=Baby%20Book%27;%20insert%20into%20p

[ ]
```

New Temp Product

```
localhost:3000/products?name=Baby%20Book

[
  - {
    id: 4,
    title: "Baby Book",
    price: "7.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    tags: [
      "Book",
      "Children",
      "Baby"
    ]
  },
  - {
    id: 210,
    title: "Baby Book",
    price: "15.95",
    created_at: null,
    deleted_at: null,
    tags: null
  }
]
```

Delete Temp Product

```
( ?name=Baby Book'; delete from products where id = 210; -- )
```

← → ↻ ⓘ localhost:3000/products?name=Baby%20Book%27;%20delete%20from%20products%20where%20id%20=%20210;%20--

```
[ ]
```

Delete Product Result

← → ↻ ⓘ localhost:3000/products?name=Baby%20Book

```
[
  - {
    id: 4,
    title: "Baby Book",
    price: "7.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    - tags: [
      "Book",
      "Children",
      "Baby"
    ]
  }
]
```

Part 3

Delete Attempt - Parameterized Query

localhost:3000/products?name=Coloring%20Book%27;%20delete

```
[ ]
```

Delete Attempt - Parameterized Query Result

localhost:3000/products?name=Coloring%20Book

```
[
  - {
    id: 5,
    title: "Coloring Book",
    price: "5.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    - tags: [
      "Book",
      "Children"
    ]
  }
]
```

Delete Attempt - SQL Query

localhost:3000/products?name=Dictionary%27;%20delete%2

```
[ ]
```

Delete Attempt - SQL Query Result

localhost:3000/products?name=Dictionary

```
[
  - {
    id: 1,
    title: "Dictionary",
    price: "9.99",
    created_at: "2011-01-01T20:00:00.000Z",
    deleted_at: null,
    - tags: [
      "Book"
    ]
  }
]
```


Part 4

User & Product Tables

```
pggguide=# \d "Sequelized_products"
          Table "public.Sequelized_products"
  Column      |      Type      | Collation | Nullable |      Default
-----+-----+-----+-----+-----
 id           | integer        |           | not null | nextval('"Sequelized_products_id_seq"':regclass)
 title        | character varying(255) |           |          |
 price        | character varying(255) |           |          |
 created_at   | timestamp with time zone |           |          |
 deleted_at   | timestamp with time zone |           |          |
 tags         | character varying(255)[] |           |          |
Indexes:
    "Sequelized_products_pkey" PRIMARY KEY, btree (id)

pggguide=# \d "Sequelized_users"
          Table "public.Sequelized_users"
  Column      |      Type      | Collation | Nullable |      Default
-----+-----+-----+-----+-----
 id           | integer        |           | not null | nextval('"Sequelized_users_id_seq"':regclass)
 email        | character varying(255) |           |          |
 password     | character varying(255) |           |          |
 details      | hstore         |           |          |
 created_at   | timestamp with time zone |           |          |
 deleted_at   | timestamp with time zone |           |          |
Indexes:
    "Sequelized_users_pkey" PRIMARY KEY, btree (id)
```

Purchases & Purchase Items Tables

```
pggguide=# \d "Sequelized_purchases"
          Table "public.Sequelized_purchases"
  Column      |      Type      | Collation | Nullable |      Default
-----+-----+-----+-----+-----
 id           | integer        |           | not null | nextval('"Sequelized_purchases_id_seq"':regclass)
 created_at   | timestamp with time zone |           |          |
 name         | character varying(255) |           |          |
 address      | character varying(255) |           |          |
 state        | character varying(2)   |           |          |
 zipcode      | integer         |           |          |
 user_id      | integer         |           |          |
Indexes:
    "Sequelized_purchases_pkey" PRIMARY KEY, btree (id)
Foreign-key constraints:
    "Sequelized_purchases_user_id_fkey" FOREIGN KEY (user_id) REFERENCES users(id)

pggguide=# \d "Sequelized_purchase_items"
          Table "public.Sequelized_purchase_items"
  Column      |      Type      | Collation | Nullable |      Default
-----+-----+-----+-----+-----
 id           | integer        |           | not null | nextval('"Sequelized_purchase_items_id_seq"':regclass)
 purchase_id  | integer        |           |          |
 product_id   | integer        |           |          |
 price        | character varying(255) |           |          |
 quantity     | integer        |           |          |
 state        | character varying(255) |           |          |
Indexes:
    "Sequelized_purchase_items_pkey" PRIMARY KEY, btree (id)
Foreign-key constraints:
    "Sequelized_purchase_items_product_id_fkey" FOREIGN KEY (product_id) REFERENCES products(id)
    "Sequelized_purchase_items_purchase_id_fkey" FOREIGN KEY (purchase_id) REFERENCES purchases(id)
```


Part 5

Tables Populated Using Seeder Files

```
pggguide=# table "Sequelized_users";
id | email | password | details | created_at | deleted_at
-----+-----+-----+-----+-----+-----
1 | Pat_Baker@gmail.com | 2daysbread2day | "sex"=>"M" | 2019-02-17 21:16:30.267+00 | 2019-02-17 21:16:30.267+00
2 | Maggyf@yahoo.com | Rul3Britania | "sex"=>"F" | 2019-02-17 21:16:30.267+00 | 2019-02-17 21:16:30.267+00
3 | Leslie_Biggs@gmail.com | ChoomaIsland | "sex"=>"M" | 2019-02-17 21:16:30.267+00 | 2019-02-17 21:16:30.267+00
4 | Barry_O@gmail.com | Prez44 | "sex"=>"M" | 2019-02-17 21:16:30.267+00 | 2019-02-17 21:16:30.267+00
5 | Deandra_R@hotmail.com | $cammin | "sex"=>"F" | 2019-02-17 21:16:30.267+00 | 2019-02-17 21:16:30.267+00
(5 rows)

pggguide=# table "Sequelized_products";
id | title | price | created_at | deleted_at | tags
-----+-----+-----+-----+-----+-----
1 | How to Bake | 11.99 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Cooking}
2 | Guitar Man | 18.99 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Music}
3 | Dreams From My Father | 13.95 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Biography}
4 | Satanic Bible | 6.66 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Religious}
5 | Scooter | 119.85 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Technology,"Motor Vechicle"}
6 | Coffee Press | 15.00 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Technology,Appliance}
(6 rows)

pggguide=# table "Sequelized_purchases";
id | created_at | name | address | state | zipcode | user_id
-----+-----+-----+-----+-----+-----+-----
1 | 2019-02-17 21:16:30.296+00 | Barrack Obama | 1600 Pennsylvania Ave NW | DC | 42114 | 4
2 | 2019-02-17 21:16:30.296+00 | Patrick Baker | 1640 Sweetwood Drive | CO | 80202 | 1
3 | 2019-02-17 21:16:30.296+00 | Leslie Biggs | 4940 New Creek Road | AL | 35816 | 3
4 | 2019-02-17 21:16:30.296+00 | Margret Thatcher | 1029 Martha Ellen Drive | NV | 89445 | 2
5 | 2019-02-17 21:16:30.296+00 | Deandra Reynolds | 1816 Hiddenview Drive | PA | 19108 | 5
(5 rows)

pggguide=# table "Sequelized_purchase_items";
id | purchase_id | product_id | price | quantity | state
-----+-----+-----+-----+-----+-----
1 | 1 | 3 | 13.95 | 1 | Pending
2 | 2 | 1 | 11.99 | 1 | Delivered
3 | 2 | 2 | 18.99 | 1 | Delivered
4 | 3 | 6 | 15.00 | 1 | Pending
5 | 4 | 4 | 6.66 | 6 | Delivered
6 | 5 | 5 | 119.85 | 1 | Returned
(6 rows)
```

Part 6

List All Product

```
← → ↻ ⓘ localhost:3000/products

[
  - {
    id: 1,
    title: "How to Bake",
    price: "11.99",
    created_at: "2019-02-17T21:16:30.288Z",
    deleted_at: "2019-02-17T21:16:30.288Z",
    - tags: [
      "Book",
      "Cooking"
    ]
  },
  - {
    id: 2,
    title: "Guitar Man",
    price: "18.99",
    created_at: "2019-02-17T21:16:30.288Z",
    deleted_at: "2019-02-17T21:16:30.288Z",
    - tags: [
      "Music"
    ]
  },
  - {
    id: 3,
    title: "Dreams From My Father",
    price: "13.95",
    created_at: "2019-02-17T21:16:30.288Z",
    deleted_at: "2019-02-17T21:16:30.288Z",
    - tags: [
      "Book",
      "Biography"
    ]
  },
  - {
    id: 4,
    title: "Satanic Bible",
    price: "6.66",
    created_at: "2019-02-17T21:16:30.288Z",
    deleted_at: "2019-02-17T21:16:30.288Z",
    - tags: [
      "Book",
      "Religious"
    ]
  },
  - {
    id: 5,
    title: "Scooter",
    price: "119.85",
    created_at: "2019-02-17T21:16:30.288Z",
    deleted_at: "2019-02-17T21:16:30.288Z",
    - tags: [
      "Technology",
      "Motor Vechicle"
    ]
  }
]
```

List All Products Name Filter

```
← → ↻ ⓘ localhost:3000/products?name=Scooter

[
  - {
    id: 5,
    title: "Scooter",
    price: "119.85",
    created_at: "2019-02-17T21:16:30.288Z",
    deleted_at: "2019-02-17T21:16:30.288Z",
    - tags: [
      "Technology",
      "Motor Vechicle"
    ]
  }
]
```

List Specific Product

← → ↺ ⓘ localhost:3000/products/3

```
[
  - {
    id: 3,
    title: "Dreams From My Father",
    price: "13.95",
    created_at: "2019-02-17T21:16:30.288Z",
    deleted_at: "2019-02-17T21:16:30.288Z",
    - tags: [
      "Book",
      "Biography"
    ]
  }
]
```

POST PUT DELETE Curl Commands

(Create New Flat Screen Product, Update Price, Remove Flat Screen Product)

```
023\Sequelize ORM>curl -X POST -d "title=Flat Screen TV&price=165.00&tag=Technology" http://localhost:3000/products
023\Sequelize ORM>curl -X PUT -d "price=80.50" http://localhost:3000/products/7
023\Sequelize ORM>curl -X "DELETE" http://localhost:3000/products/7
```

POST PUT DELETE Result

```
pggguide=# table "Sequelized_products";
 id | title | price | created_at | deleted_at | tags
-----+-----+-----+-----+-----+-----
 1 | How to Bake | 11.99 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Cooking}
 2 | Guitar Man | 18.99 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Music}
 3 | Dreams From My Father | 13.95 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Biography}
 4 | Satanic Bible | 6.66 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Religious}
 5 | Scooter | 119.85 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Technology,"Motor Vechicle"}
 6 | Coffee Press | 15.00 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Technology,Appliance}
(6 rows)

pggguide=# table "Sequelized_products";
 id | title | price | created_at | deleted_at | tags
-----+-----+-----+-----+-----+-----
 1 | How to Bake | 11.99 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Cooking}
 2 | Guitar Man | 18.99 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Music}
 3 | Dreams From My Father | 13.95 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Biography}
 4 | Satanic Bible | 6.66 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Religious}
 5 | Scooter | 119.85 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Technology,"Motor Vechicle"}
 6 | Coffee Press | 15.00 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Technology,Appliance}
 7 | Flat Screen TV | 165.00 | 2019-02-17 21:21:14.277+00 | 2019-02-17 21:21:14.277+00 | {Technology}
(7 rows)

pggguide=# table "Sequelized_products";
 id | title | price | created_at | deleted_at | tags
-----+-----+-----+-----+-----+-----
 1 | How to Bake | 11.99 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Cooking}
 2 | Guitar Man | 18.99 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Music}
 3 | Dreams From My Father | 13.95 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Biography}
 4 | Satanic Bible | 6.66 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Religious}
 5 | Scooter | 119.85 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Technology,"Motor Vechicle"}
 6 | Coffee Press | 15.00 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Technology,Appliance}
 7 | Flat Screen TV | 80.50 | 2019-02-17 21:21:14.277+00 | 2019-02-17 21:21:14.277+00 | {Technology}
(7 rows)

pggguide=# table "Sequelized_products";
 id | title | price | created_at | deleted_at | tags
-----+-----+-----+-----+-----+-----
 1 | How to Bake | 11.99 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Cooking}
 2 | Guitar Man | 18.99 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Music}
 3 | Dreams From My Father | 13.95 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Biography}
 4 | Satanic Bible | 6.66 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Book,Religious}
 5 | Scooter | 119.85 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Technology,"Motor Vechicle"}
 6 | Coffee Press | 15.00 | 2019-02-17 21:16:30.288+00 | 2019-02-17 21:16:30.288+00 | {Technology,Appliance}
(6 rows)
```