Enterprise Application Development

Lab 1
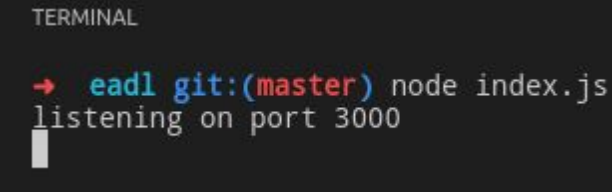
Andrejs Lahs   C13766231
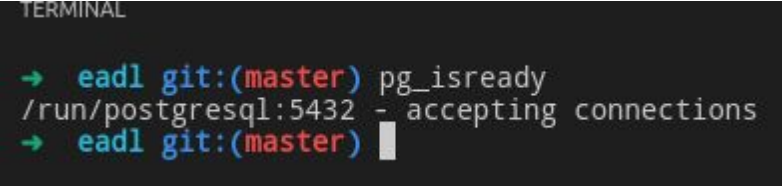

1.

2.

3.

4.

```
pgguide=# \d
                  List of relations
 Schema |         Name          |  Type    | Owner
--------+-----------------------+----------+-------
 public | products              | table    | andy
 public | products_id_seq       | sequence | andy
 public | purchase_items        | table    | andy
 public | purchase_items_id_seq | sequence | andy
 public | purchases             | table    | andy
 public | purchases_id_seq      | sequence | andy
 public | users                 | table    | andy
 public | users_id_seq          | sequence | andy
(8 rows)

pgguide=# \d products
                              Table "public.products"
   Column   |            Type             |                      Modifiers
------------+-----------------------------+------------------------------------------------------
 id         | integer                     | not null default nextval('products_id_seq'::regclass)
 title      | character varying(255)      |
 price      | numeric                     |
 created_at | timestamp with time zone    |
 deleted_at | timestamp with time zone    |
 tags       | character varying(255)[]    |
Indexes:
    "products_pkey" PRIMARY KEY, btree (id)
Referenced by:
    TABLE "purchase_items" CONSTRAINT "purchase_items_product_id_fkey" FOREIGN KEY (product_id) REFERENCES products(id)
```
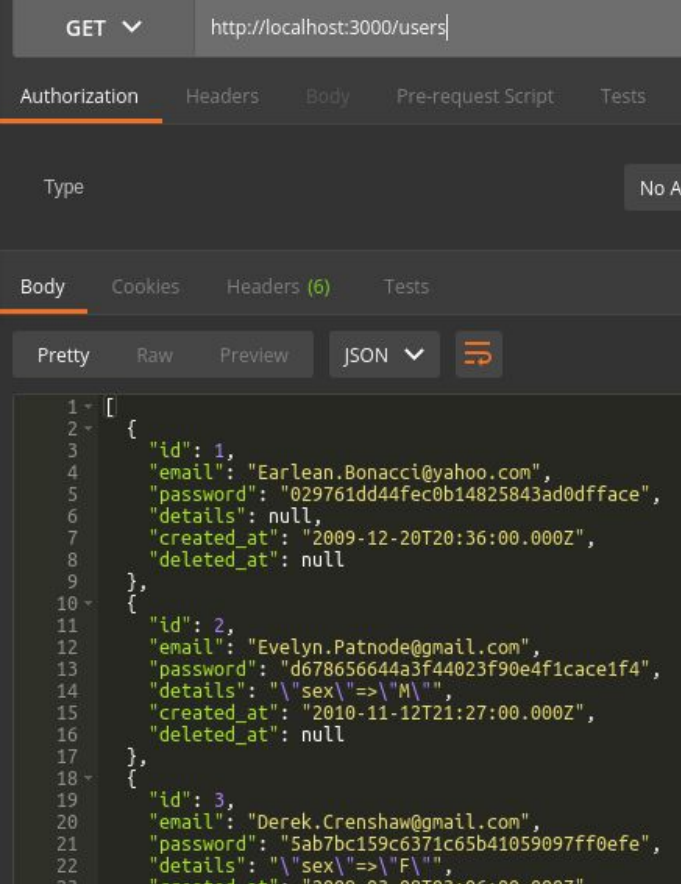
```
pgguide=# table products;
 id |      title       | price  |      created_at       | deleted_at |           tags
----+------------------+--------+-----------------------+------------+---------------------------
  1 | Dictionary       |   9.99 | 2011-01-01 20:00:00+00 |            | {Book}
  2 | Python Book      |  29.99 | 2011-01-01 20:00:00+00 |            | {Book,Programming,Python}
  3 | Ruby Book        |  27.99 | 2011-01-01 20:00:00+00 |            | {Book,Programming,Ruby}
  4 | Baby Book        |   7.99 | 2011-01-01 20:00:00+00 |            | {Book,Children,Baby}
  5 | Coloring Book    |   5.99 | 2011-01-01 20:00:00+00 |            | {Book,Children}
  6 | Desktop Computer | 499.99 | 2011-01-01 20:00:00+00 |            | {Technology}
  7 | Laptop Computer  | 899.99 | 2011-01-01 20:00:00+00 |            | {Technology}
  8 | MP3 Player       | 108.00 | 2011-01-01 20:00:00+00 |            | {Technology,Music}
  9 | 42" LCD TV       | 499.00 | 2011-01-01 20:00:00+00 |            | {Technology,TV}
 10 | 42" Plasma TV    | 529.00 | 2011-01-01 20:00:00+00 |            | {Technology,TV}
 11 | Classical CD     |   9.99 | 2011-01-01 20:00:00+00 |            | {Music}
 12 | Holiday CD       |   9.99 | 2011-01-01 20:00:00+00 |            | {Music}
 13 | Country CD       |   9.99 | 2011-01-01 20:00:00+00 |            | {Music}
 14 | Pop CD           |   9.99 | 2011-01-01 20:00:00+00 |            | {Music}
 15 | Electronic CD    |   9.99 | 2011-01-01 20:00:00+00 |            | {Music}
 16 | Comedy Movie     |  14.99 | 2011-01-01 20:00:00+00 |            | {Movie,Comedy}
 17 | Documentary      |  14.99 | 2011-01-01 20:00:00+00 |            | {Movie}
 18 | Romantic         |  14.99 | 2011-01-01 20:00:00+00 |            | {Movie}
 19 | Drama            |  14.99 | 2011-01-01 20:00:00+00 |            | {Movie}
 20 | Action           |  14.99 | 2011-01-01 20:00:00+00 |            | {Movie}
(20 rows)
```

5.

```
pgguide=# ALTER TABLE purchase_items ADD PRIMARY KEY (id);
ALTER TABLE
```
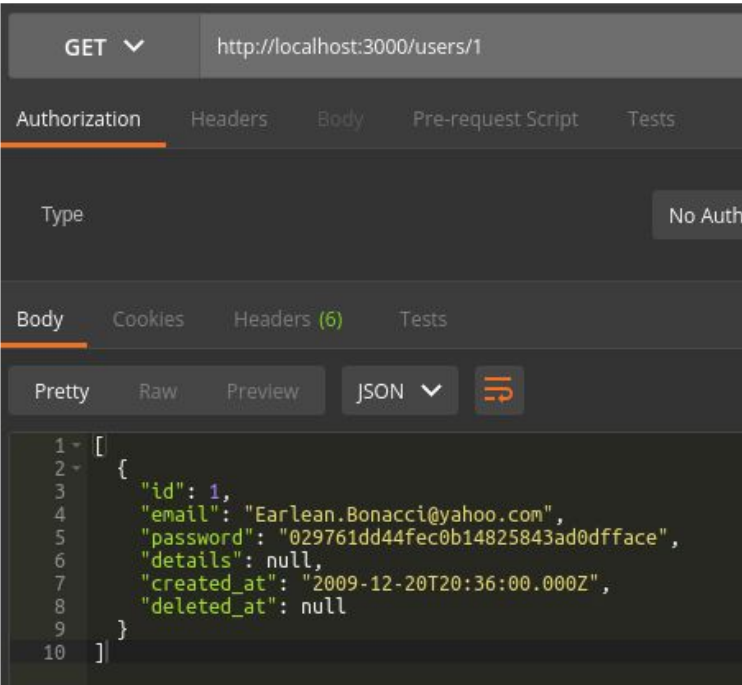
6.

GET ∨   http://localhost:3000/users

Authorization   Headers   Body   Pre-request Script   Tests

Type   No A

Body   Cookies   Headers (6)   Tests

Pretty   Raw   Preview   JSON ∨   ⇉

1 ▾ [
2 ▾   {
3   "id": 1,
4   "email": "Earlean.Bonacci@yahoo.com",
5   "password": "029761dd44fec0b14825843ad0dfface",
6   "details": null,
7   "created_at": "2009-12-20T20:36:00.000Z",
8   "deleted_at": null
9   },
10 ▾   {
11   "id": 2,
12   "email": "Evelyn.Patnode@gmail.com",
13   "password": "d678656644a3f44023f90e4f1cace1f4",
14   "details": "\"sex\"=>\"M\"",
15   "created_at": "2010-11-12T21:27:00.000Z",
16   "deleted_at": null
17   },
18 ▾   {
19   "id": 3,
20   "email": "Derek.Crenshaw@gmail.com",
21   "password": "5ab7bc159c6371c65b41059097ff0efe",
22   "details": "\"sex\"=>\"F\"",

GET ∨   http://localhost:3000/users/1

Authorization   Headers   Body   Pre-request Script   Tests

Type   No Auth

Body   Cookies   Headers (6)   Tests

Pretty   Raw   Preview   JSON ∨   ⇉

1 ▾ [
2 ▾   {
3   "id": 1,
4   "email": "Earlean.Bonacci@yahoo.com",
5   "password": "029761dd44fec0b14825843ad0dfface",
6   "details": null,
7   "created_at": "2009-12-20T20:36:00.000Z",
8   "deleted_at": null
9   }
10]

GET ⌄   http://localhost:3000/products

Authorization   Headers   Body   Pre-request Script   Tests

Type   No

Body   Cookies   Headers (6)   Tests

Pretty   Raw   Preview   JSON ⌄   ⇥

```json
1  [
2    {
3      "id": 1,
4      "title": "Dictionary",
5      "price": "9.99",
6      "created_at": "2011-01-01T20:00:00.000Z",
7      "deleted_at": null,
8      "tags": [
9        "Book"
10     ]
11   },
12   {
13     "id": 2,
14     "title": "Python Book",
15     "price": "29.99",
16     "created_at": "2011-01-01T20:00:00.000Z",
17     "deleted_at": null,
18     "tags": [
19       "Book",
20       "Programming",
21       "Python"
22     ]
23   },
24   {
25     "id": 3,
26     "title": "Ruby Book",
27     "price": "27.99",
28     "created_at": "2011-01-01T20:00:00.000Z",
29     "deleted_at": null,
30     "tags": [
31       "Book",
32       "Programming",
33       "Ruby"
34     ]
35   },
36   {
37     "id": 4,
```

GET ∨   http://localhost:3000/products/1

Authorization   Headers   Body   Pre-request Script

Type

Body   Cookies   Headers (6)   Tests

Pretty   Raw   Preview   JSON ∨

```json
1  [
2    {
3      "id": 1,
4      "title": "Dictionary",
5      "price": "9.99",
6      "created_at": "2011-01-01T20:00:00.000Z",
7      "deleted_at": null,
8      "tags": [
9        "Book"
10       ]
11     }
12  ]
```

GET ∨   http://localhost:3000/purchases

Authorization   Headers   Body   Pre-request Script   Tests

Type

Body   Cookies   Headers (6)   Tests

Pretty   Raw   Preview   JSON ∨

```json
1  [
2    {
3      "id": 1,
4      "created_at": "2011-03-16T15:03:00.000Z",
5      "name": "Harrison Jonson",
6      "address": "6425 43rd St.",
7      "state": "FL",
8      "zipcode": 50382,
9      "user_id": 7
10     },
11     {
12       "id": 2,
13       "created_at": "2011-09-14T05:00:00.000Z",
14       "name": "Cortney Fontanilla",
15       "address": "321 MLK Ave.",
16       "state": "WA",
17       "zipcode": 43895,
18       "user_id": 30
19     },
20     {
21       "id": 3,
22       "created_at": "2011-09-11T05:54:00.000Z",
23       "name": "Ruthie Vashon",
24       "address": "2307 45th St.",
25       "state": "GA",
26       "zipcode": 98937,
27       "user_id": 18
28     },
29     {
30       "id": 4,
31       "created_at": "2011-02-27T20:53:00.000Z",
32       "name": "Isabel Wynn
```

GET ⌄   http://localhost:3000/purchases/1

Authorization   Headers   Body   Pre-request Script   Te

Type

Body   Cookies   Headers (6)   Tests

Pretty   Raw   Preview   JSON ⌄

```json
1  [
2      {
3          "id": 1,
4          "created_at": "2011-03-16T15:03:00.000Z",
5          "name": "Harrison Jonson",
6          "address": "6425 43rd St.",
7          "state": "FL",
8          "zipcode": 50382,
9          "user_id": 7
10     }
11 ]
```