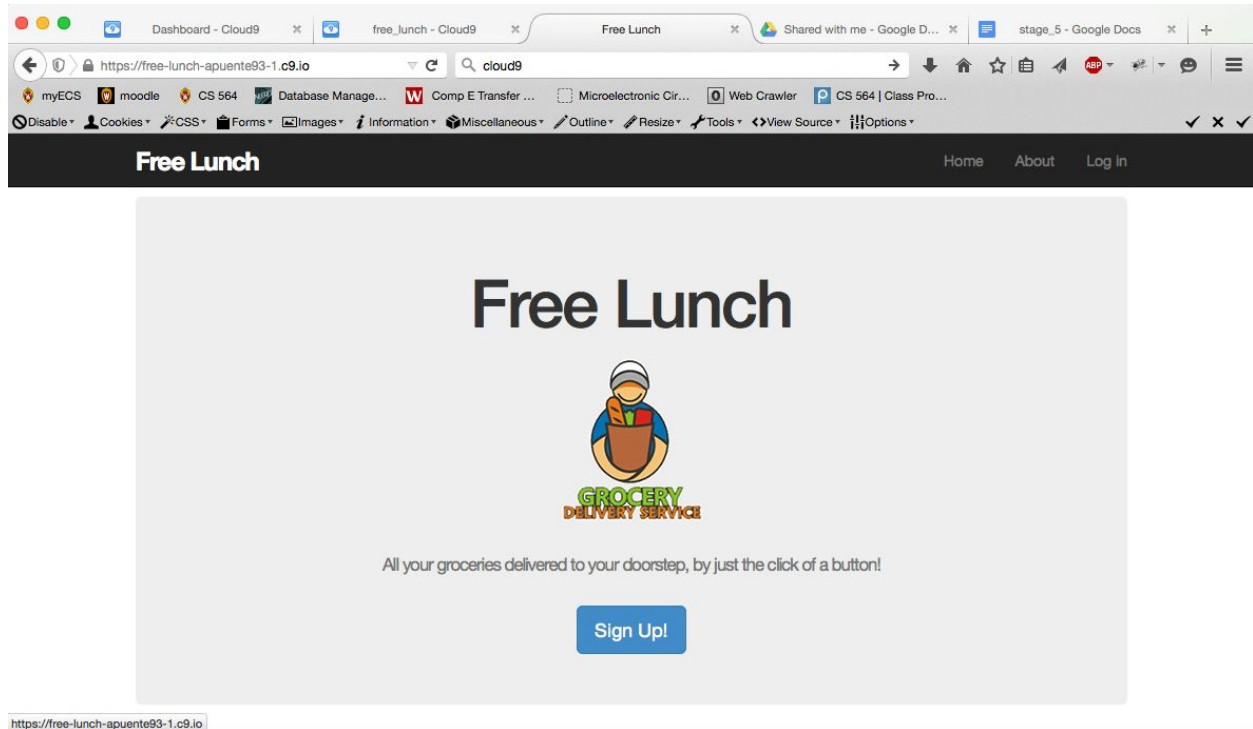Free Lunch

Stage 5

Xiaodong Wang (xwang322@wisc.edu)

Bozhao Qi (bqi2@wisc.edu)

Alejandro Puente (apuente@wisc.edu)

Grant Davies (gdavies@wisc.edu)

Application running on the web:

Inserting a new **user** into the database:

```
   User Exists (15.9ms)  SELECT  1 AS one FROM "users" WHERE LOWER("users"."username") = LOWER('Use
r_Name') LIMIT 1
   User Exists (0.4ms)  SELECT  1 AS one FROM "users" WHERE LOWER("users"."email") = LOWER('user@na
me.com') LIMIT 1
   SQL (0.9ms)  INSERT INTO "users" ("username", "email", "zip_code", "password_digest", "created_a
t", "updated_at") VALUES ($1, $2, $3, $4, $5, $6) RETURNING "id"  [["username", "User_Name"], ["em
ail", "user@name.com"], ["zip_code", 12345], ["password_digest", "$2a$10$xBKTLK7gMW9.5Lp1nxgkXeA47
EWuUtL7qyyiz2kIs2i2Cxw.x/39W"], ["created_at", "2015-04-22 00:22:09.713478"], ["updated_at", "2015
-04-22 00:22:09.713478"]]
```

Get a **user** entry for displaying a profile:

```
User Load (0.3ms)  SELECT  "users".* FROM "users" WHERE "users"."id" = $1 LIMIT 1  [["id", 1]]
Rendered users/show.html.erb within layouts/application (0.3ms)
Rendered layouts/_shim.html.erb (0.1ms)
User Load (1.5ms)  SELECT  "users".* FROM "users" WHERE "users"."id" = $1 LIMIT 1  [["id", 1]]
```

Update a **user** account:

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```
User Load (0.9ms)  SELECT  "users".* FROM "users" WHERE "users"."id" = $1 LIMIT 1   [["id", 1]]
User Load (0.2ms)  SELECT  "users".* FROM "users" WHERE "users"."id" = $1 LIMIT 1   [["id", 1]]
CACHE (0.0ms)  SELECT  "users".* FROM "users" WHERE "users"."id" = $1 LIMIT 1   [["id", "1"]]
  (0.6ms)  BEGIN
User Exists (1.4ms)  SELECT  1 AS one FROM "users" WHERE (LOWER("users"."username") = LOWER('Use
rName') AND "users"."id" != 1) LIMIT 1
User Exists (0.4ms)  SELECT  1 AS one FROM "users" WHERE (LOWER("users"."email") = LOWER('user@n
ame.com') AND "users"."id" != 1) LIMIT 1
SQL (0.6ms)  UPDATE "users" SET "username" = $1, "password_digest" = $2, "updated_at" = $3 WHERE
 "users"."id" = $4  [["username", "UserName"], ["password_digest", "$2a$10$LzRJCmOqYPEy.KDrPxfBbuR
HtRUZFERFJ4C32tt1An/oxM2SXbkj2"], ["updated_at", "2015-04-22 00:35:16.957917"], ["id", 1]]
```

Get a list of **users**:

```
User Load (0.5ms)  SELECT  "users".* FROM "users" WHERE "users"."id" = $1 LIMIT 1   [["id", 2]]
  (0.5ms)  SELECT COUNT(*) FROM "users"
User Load (0.4ms)  SELECT  "users".* FROM "users" LIMIT 30 OFFSET 0
```

Deleting a **user**:

```
  (0.2ms)  BEGIN
SQL (4.2ms)  DELETE FROM "users" WHERE "users"."id" = $1  [["id", 2]]
  (7.4ms)  COMMIT
Redirected to https://free-lunch-apuente93-1.c9.io/users
Completed 302 Found in 18ms (ActiveRecord: 12.5ms)
```

Inserting a new **store** into the database:

```
SQL (4.1ms)  INSERT INTO "stores" ("name", "zip_code", "created_at", "updated_at") VALUES ($1, $2, $3,
 $4) RETURNING "id"  [["name", "Metcalfe's Market"], ["zip_code", 53705], ["created_at", "2015-04-22 20:
49:48.548643"], ["updated_at", "2015-04-22 20:49:48.548643"]]
  (17.5ms)  COMMIT
Redirected to https://free-lunch-apuente93-1.c9.io/
Completed 302 Found in 48ms (ActiveRecord: 27.5ms)
```

User table view in PostgreSQL:

```
id |    username    |            email            | zip_code |        created_at         |        updated_at
   |                  password_digest             | remember_digest | admin
---+----------------+----------------------------+----------+---------------------------+---------------------------
 1 | apuente93      | apuente@wisc.edu           |    53715 | 2015-04-22 16:43:07.285409 | 2015-04-22 16:43:07.285409
   | $2a$10$kMzxqp9dnZ6whzO.yvWnde652NeSt9X01VgTBBk5T9jI8r6K0Jaai |     | t
 3 | alda          | abagail_jacobson@kling.biz |    52999 | 2015-04-22 16:43:07.909942 | 2015-04-22 16:43:07.909942
   | $2a$10$8Zizq3iD5KU.Jtc6MVwmBusktHmxdAimrYRPdXfecJhm2UWlm21Y. |     | f
 4 | abe_bergstrom  | meta@luettgen.info         |    84327 | 2015-04-22 16:43:08.059655 | 2015-04-22 16:43:08.059655
   | $2a$10$Jzii1k7NGC./1E.YI15P3.Bh4I5RftYLekrIxf3sHYNyxlhyVunj6 |     | f
 5 | david         | krystel_ruel@von.com       |    10564 | 2015-04-22 16:43:08.194934 | 2015-04-22 16:43:08.194934
   | $2a$10$f3On13UsT3ZalozgiGtQtOrnypYkkgPexju7bi1IUGbiiRYNgiydO |     | f
 6 | stephan       | kelly_reinger@christiansenlangosh.org |    35526 | 2015-04-22 16:43:08.291599 | 2015-04-22 16:43:08.291599
   | $2a$10$55XSjGn.pBv4N69Q0lG0tebhltsH9aGV0Fx4rhkVtgsCWblEu3dPC |     | f
 7 | anika_emard   | alison@pollichlindgren.org |    69661 | 2015-04-22 16:43:08.426929 | 2015-04-22 16:43:08.426929
   | $2a$10$DNCUs4Kt8AlncxqJmLKFmu2wUSSluszE4XlS4vEiPbASIL94JsUgO |     | f
 8 | brigitte_considine | yasmeen.buckridge@mckenziequitzon.net |    42675 | 2015-04-22 16:43:08.514493 | 2015-04-22 16:43:08.514493
```

Store table view in PostgreSQL:

```
free_lunch=# SELECT * FROM stores;
id |         name          | zip_code |        created_at         |        updated_at         | lng | lat
---+-----------------------+----------+---------------------------+---------------------------+-----+-----
 1 | Fresh Madison Market  |    53715 | 2015-04-22 16:51:40.885537 | 2015-04-22 16:51:40.885537 |     |
 2 | Hy-Vee                |    53704 | 2015-04-22 17:22:03.085956 | 2015-04-22 17:22:03.085956 |     |
 3 | Woodman's Food Market |    53719 | 2015-04-22 17:22:31.054907 | 2015-04-22 17:22:31.054907 |     |
 4 | Harvestime Foods      |    60625 | 2015-04-22 17:23:17.951436 | 2015-04-22 17:23:17.951436 |     |
(4 rows)
```

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Every time a **user** logs in, our app will query **stores** that are within 5 miles of their address (So that **users** can pick an available **store** to buy **products** for delivery):

```
User Load (0.5ms)  SELECT  "users".* FROM "users" WHERE "users"."id" = $1 LIMIT 1   [["id", 1]]
Store Load (1.7ms)  SELECT "stores".* FROM "stores" WHERE ((
        (ACOS(least(1,COS(0.7515988152350269)*COS(-1.5604773642984529)*COS(RADIANS(stores.lat))*COS
(RADIANS(stores.lng))+
        COS(0.7515988152350269)*SIN(-1.5604773642984529)*COS(RADIANS(stores.lat))*SIN(RADIANS(store
s.lng))+
        SIN(0.7515988152350269)*SIN(RADIANS(stores.lat))))*3963.1899999999996)
        <= 5))
```