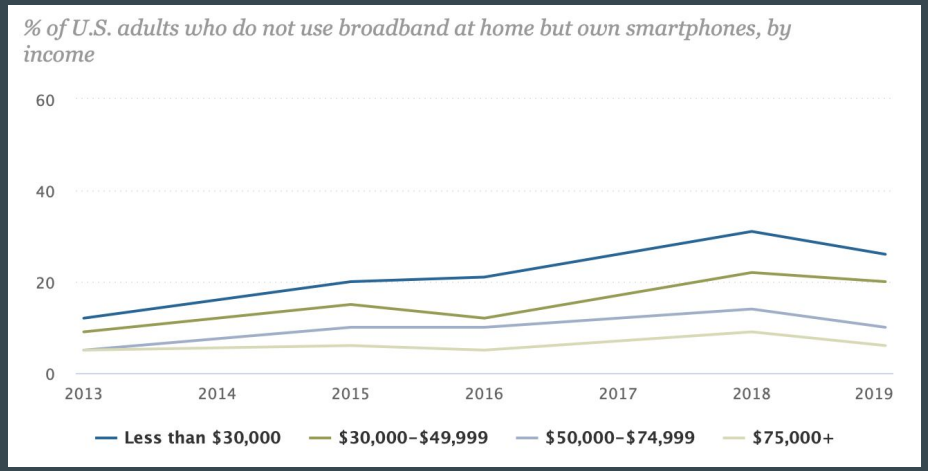
Food Oasis: Sprint 1

Sahara:
Pranthi Cavuturu
Sai Kalavakolanu

Epic 1: Meeting Tasks

Web app vs mobile app?



Do you prefer a mobile application after seeing the statistics?

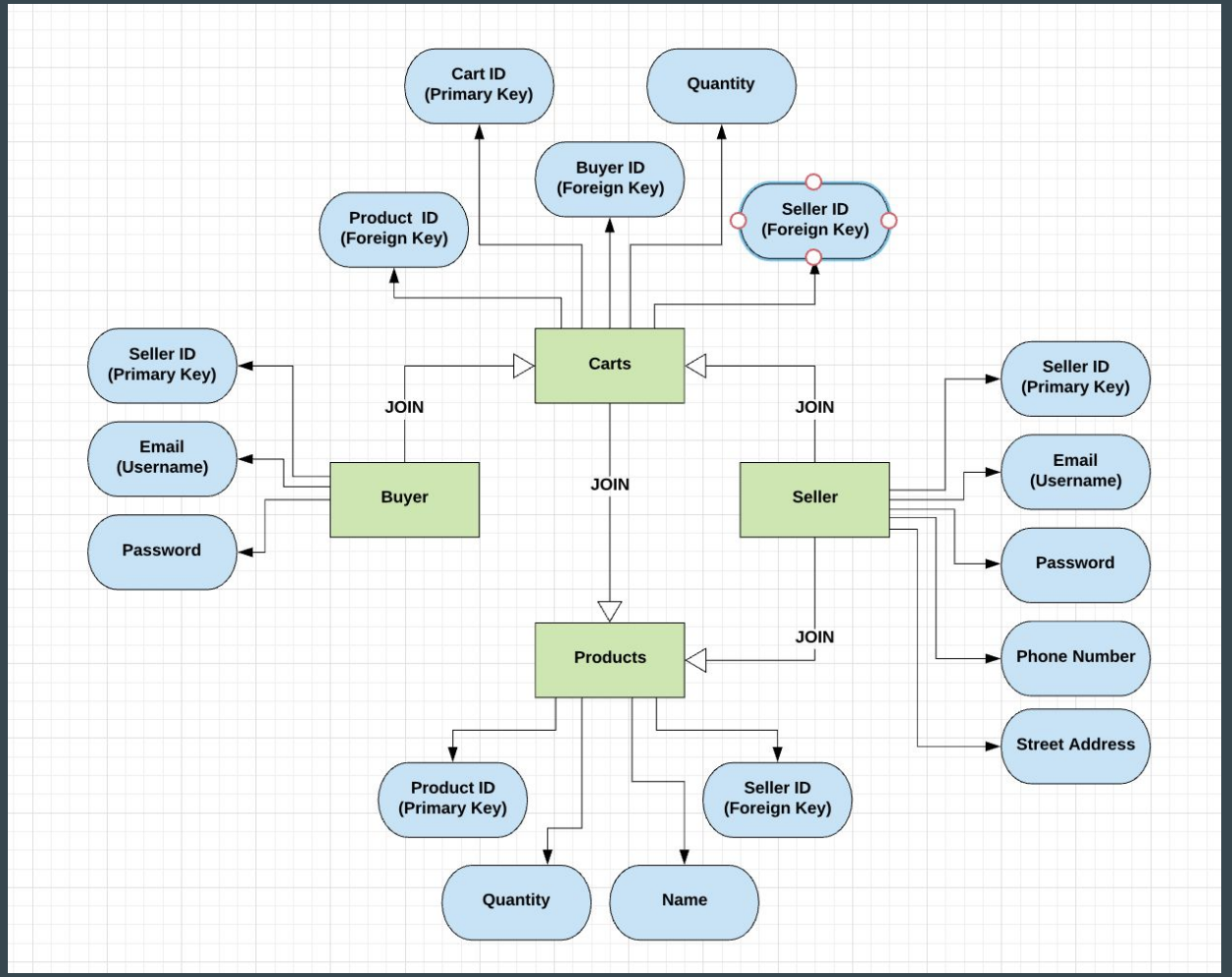
1 Yes 9

@Victoria Nguyen, @Ryan James Walden, @Pranthi Cavuturu, @David Bunker, @Saikrishna, @Daniel Green, @Paulyn Monasterio, @Jordan Aletraris, @Jingjing Wang

2 No

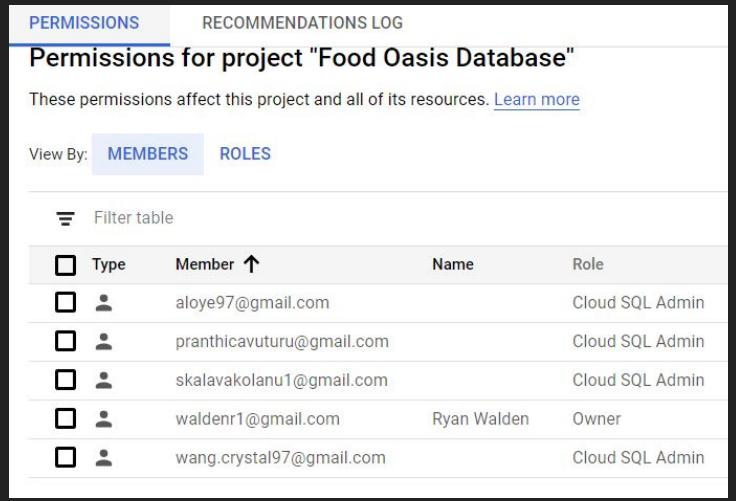
	Any cellphone	Smartphone	Cellphone, but not smartphone
Total	96%	81%	15%
Men	98%	84%	14%
Women	95%	79%	16%
Ages 18-29	99%	96%	4%
30-49	99%	92%	6%
50-64	95%	79%	17%
65+	91%	53%	39%
White	96%	82%	14%
Black	98%	80%	17%
Hispanic	96%	79%	17%
Less than high school graduate	92%	66%	25%
High school graduate	96%	72%	24%
Some college	96%	85%	11%
College graduate	98%	91%	7%
Less than $30,000	95%	71%	23%
$30,000-$49,999	96%	78%	18%
$50,000-$74,999	98%	90%	8%
$75,000+	100%	95%	5%
Urban	97%	83%	13%
Suburban	96%	83%	13%
Rural	95%	71%	24%

ER Model


Cart ID
(Primary Key)
Quantity
Buyer ID
(Foreign Key)
Product ID
(Foreign Key)
Seller ID
(Foreign Key)
Carts
Seller ID
(Primary Key)
Email
(Username)
Password
JOIN
JOIN
Buyer
JOIN
Seller
Seller ID
(Primary Key)
Email
(Username)
Password
Phone Number
Street Address
Products
JOIN
Product ID
(Primary Key)
Seller ID
(Foreign Key)
Quantity
Name

GCP Permissions

```
aloye97@cloudshell:~ (model-union-254716)$ gcloud sql connect food-oasis-database --user=root --quiet --project="food-oasis-database"
Whitelisting your IP for incoming connection for 5 minutes...done.
Connecting to database with SQL user [root].Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 266
Server version: 5.7.14-google-log (Google)

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> use Food_Oasis_MySQL
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
MySQL [Food_Oasis_MySQL]> show tables;
+---------------------------+
| Tables_in_Food_Oasis_MySQL |
+---------------------------+
| SELLERS                   |
+---------------------------+
1 row in set (0.04 sec)

MySQL [Food_Oasis_MySQL]>
```



MySQL Tables

```
MySQL [Food_Oasis_MySQL]> show tables;
+-----------------------------+
| Tables_in_Food_Oasis_MySQL |
+-----------------------------+
| BUYER                       |
| CARTS                       |
| PRODUCTS                    |
| REVIEWS                     |
| SELLERS                     |
+-----------------------------+
5 rows in set (0.03 sec)
```

```
MySQL [Food_Oasis_MySQL]> describe BUYER;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| username    | varchar(20) | YES  |     | NULL    |       |
| password    | varchar(20) | YES  |     | NULL    |       |
| email       | varchar(30) | YES  |     | NULL    |       |
| address     | varchar(30) | YES  |     | NULL    |       |
| buyerid     | varchar(10) | YES  |     | NULL    |       |
| phonenumber | varchar(7)  | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
6 rows in set (0.04 sec)
```

```
MySQL [Food_Oasis_MySQL]> describe CARTS;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| productid | varchar(10) | YES  |     | NULL    |       |
| cartid    | varchar(10) | YES  |     | NULL    |       |
| buyerid   | varchar(10) | YES  |     | NULL    |       |
| quantity  | int(11)     | YES  |     | NULL    |       |
| sellerid  | varchar(10) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
5 rows in set (0.03 sec)
```

```
MySQL [Food_Oasis_MySQL]> describe PRODUCTS;
+----------------+---------------+------+-----+---------+-------+
| Field          | Type          | Null | Key | Default | Extra |
+----------------+---------------+------+-----+---------+-------+
| name           | varchar(20)   | YES  |     | NULL    |       |
| sellerid       | varchar(10)   | YES  |     | NULL    |       |
| price          | decimal(10,2) | YES  |     | NULL    |       |
| productid      | varchar(10)   | YES  |     | NULL    |       |
| quantity       | int(11)       | YES  |     | NULL    |       |
| expirationDate | date          | YES  |     | NULL    |       |
+----------------+---------------+------+-----+---------+-------+
6 rows in set (0.04 sec)
```

```
MySQL [Food_Oasis_MySQL]> describe REVIEWS;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| date        | date        | YES  |     | NULL    |       |
| description | varchar(10) | YES  |     | NULL    |       |
| stars       | varchar(5)  | YES  |     | NULL    |       |
| sellerid    | varchar(10) | YES  |     | NULL    |       |
| reviewid    | varchar(10) | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
5 rows in set (0.04 sec)
```

Epic 2: Personal Skill Development

Github and Zenhub

Closed

GitHub and ZenHub (Sprint 1) #3

Issue Deliverables:

- Learn ZenHub
- GitHub for Beginners

Completed:

- [x] Ryan
- [x] Pranthi
- [x] Sai
- [x] Jingjing
- [x] Ayobami

Cloud SQL and Android SDK

Closed

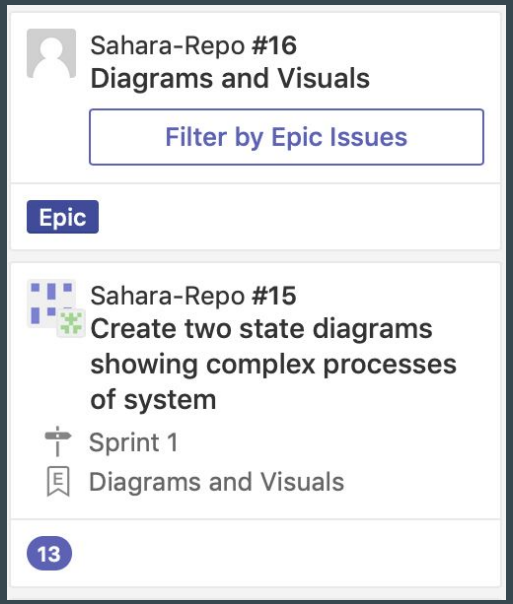
Cloud SQL and Android SDK #12

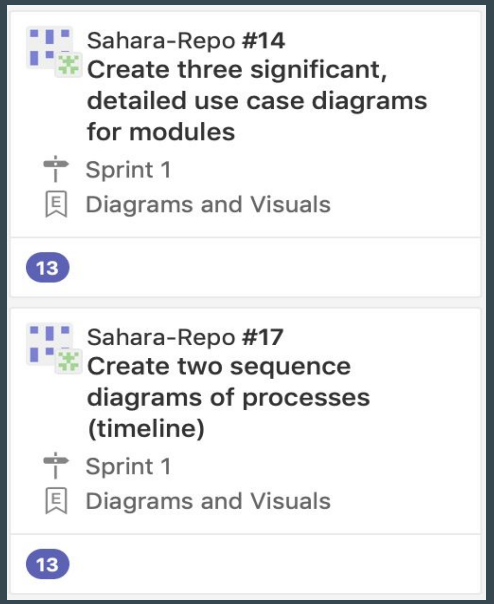
- Getting Started with MySQL on GCP
- Intro to Android SDK

- [x] Ryan
- [x] Pranthi
- [x] Sai
- [x] Jingjing
- [x] Ayobami

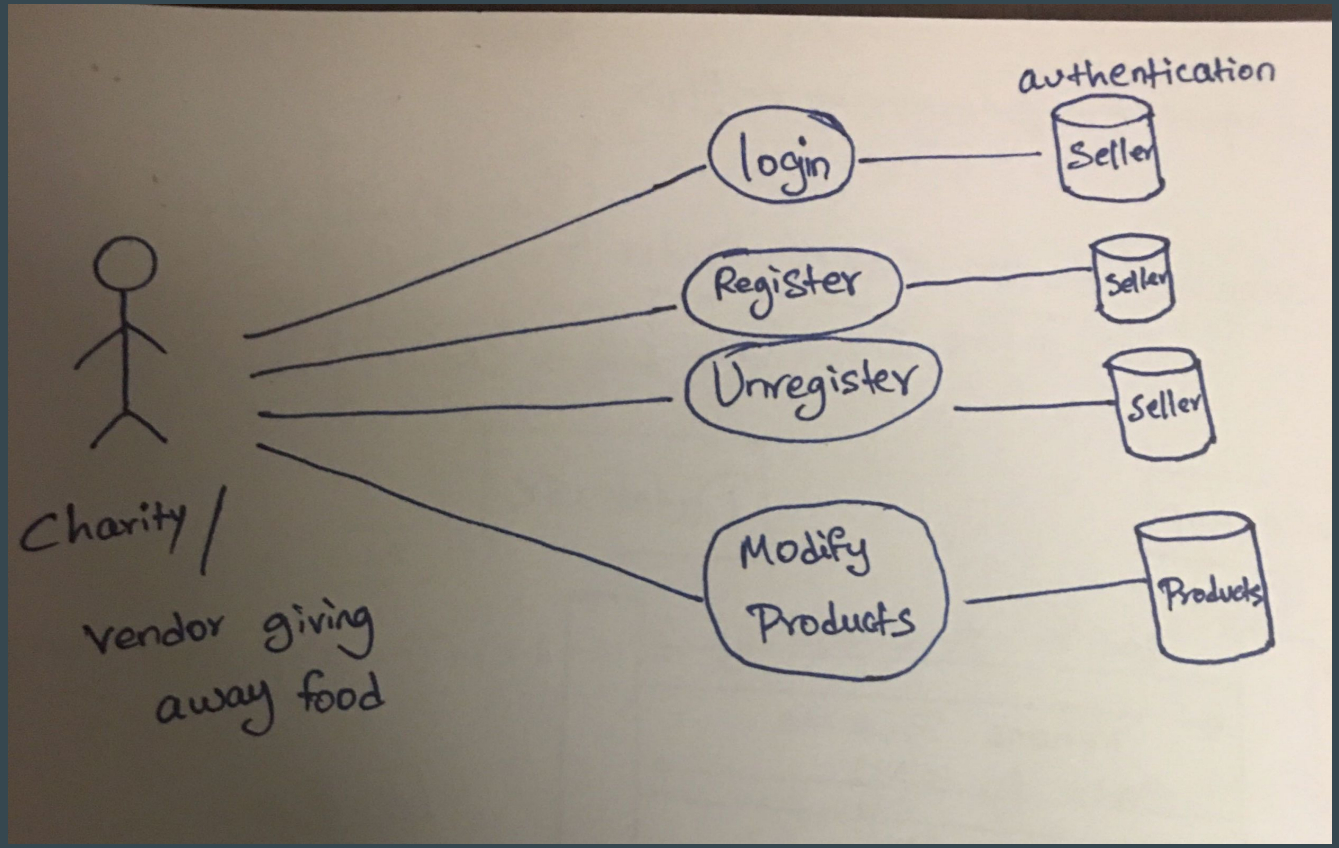
Epic 3: Diagrams and Visuals

- Use case diagrams
- State diagrams
- Sequence diagrams

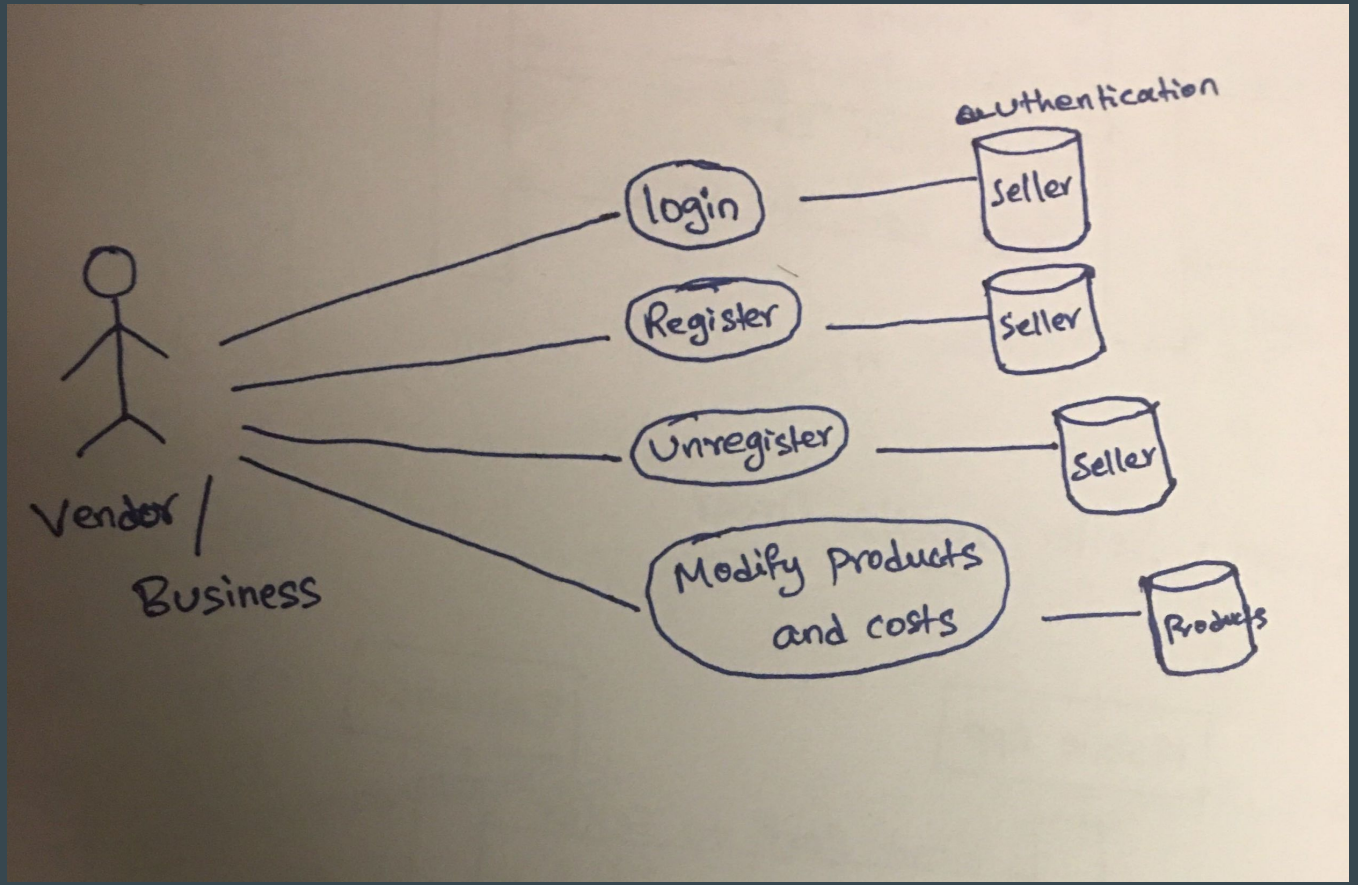




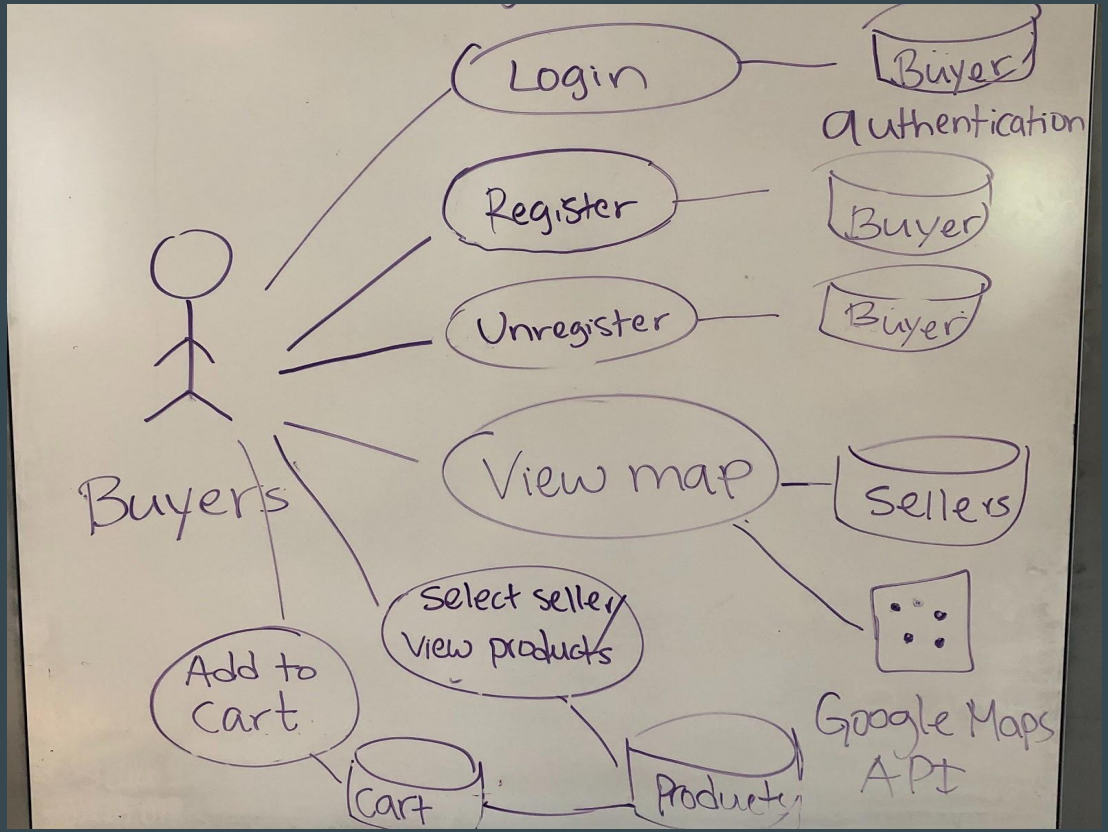
Use Case Diagram 1



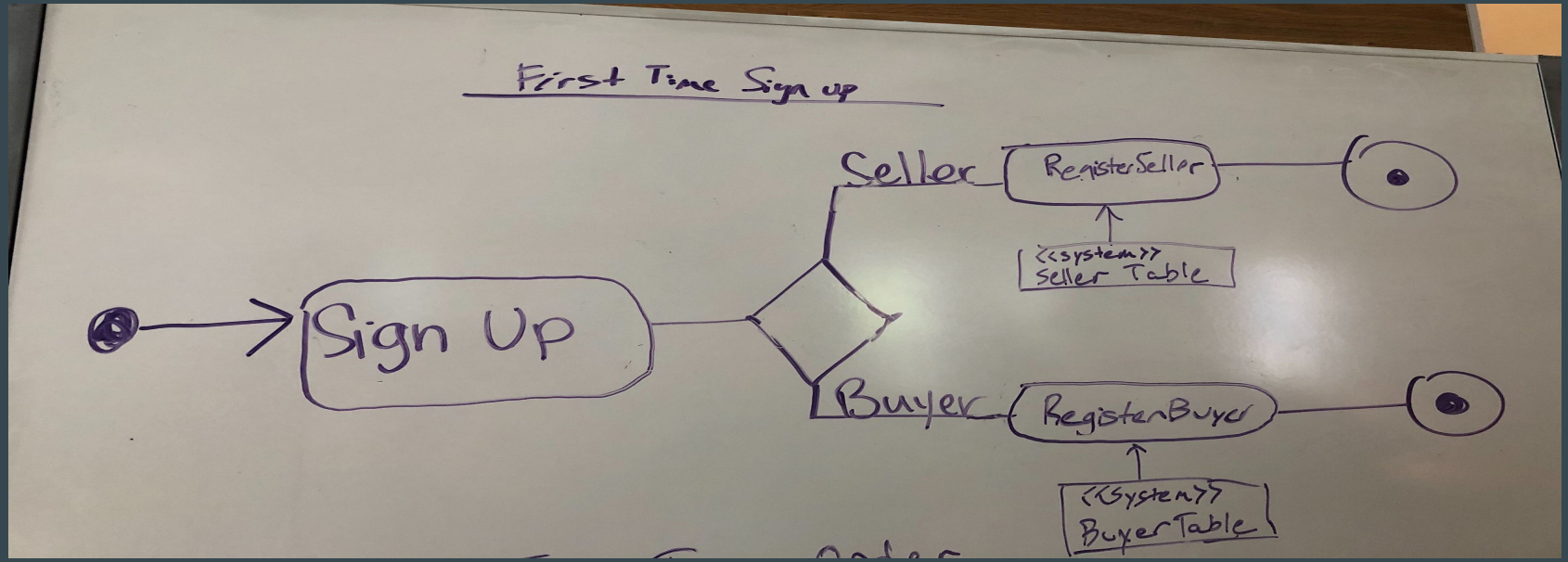
Use Case Diagram 2



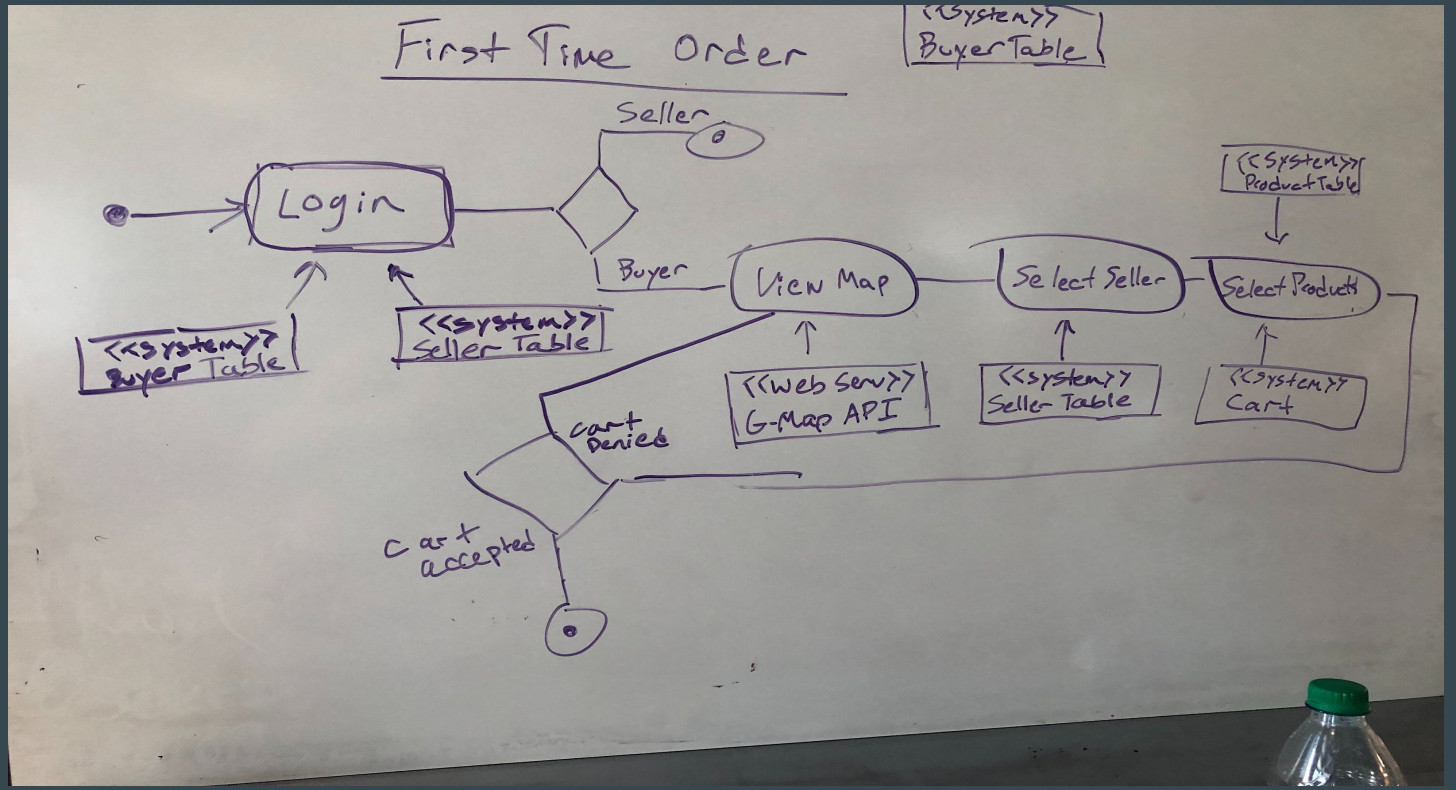
Use Case Diagram 3



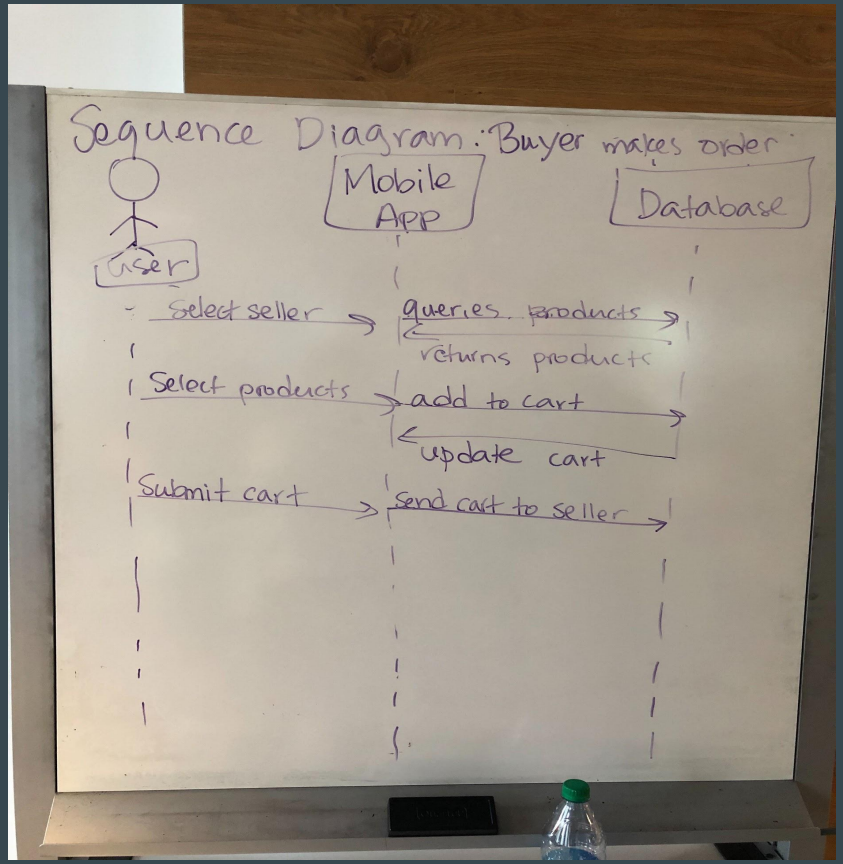
State Diagram 1: First Time Sign Up



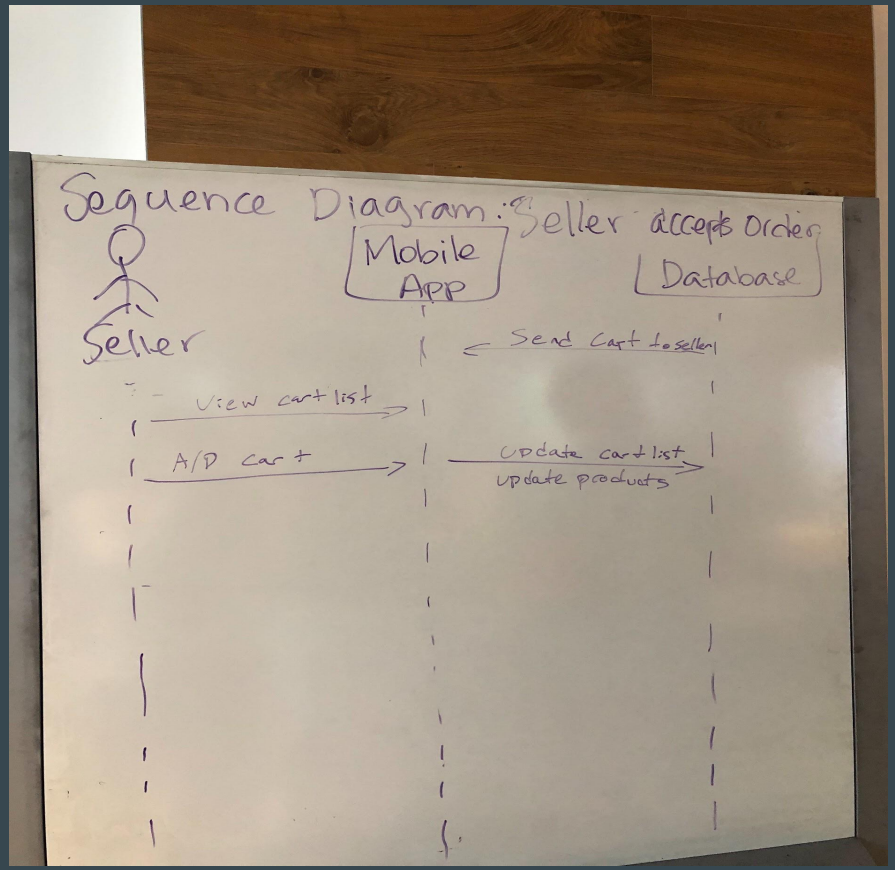
State Diagram 2: Buyer Order



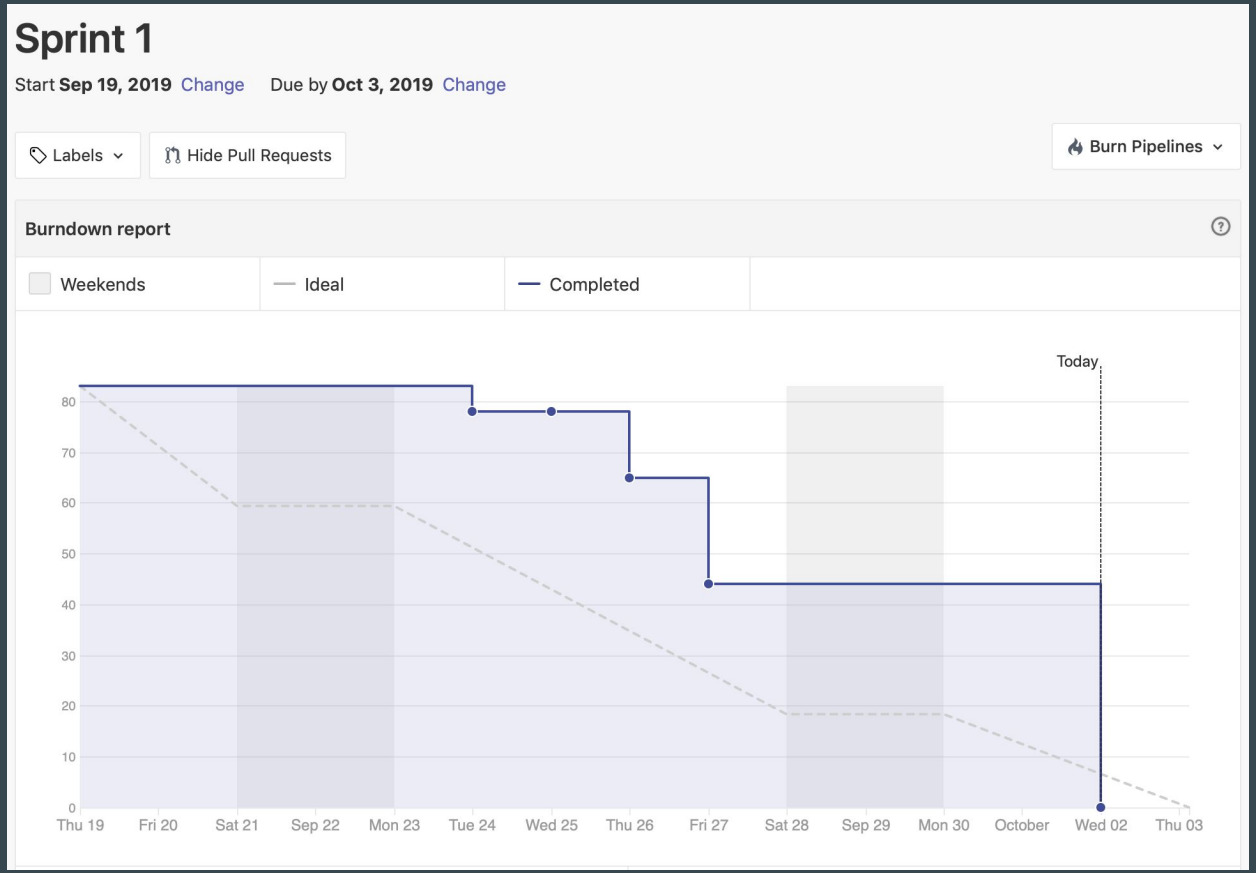
Sequence Diagram 1 : Buyer Makes Order



Sequence Diagram 2: Seller Accepts Order

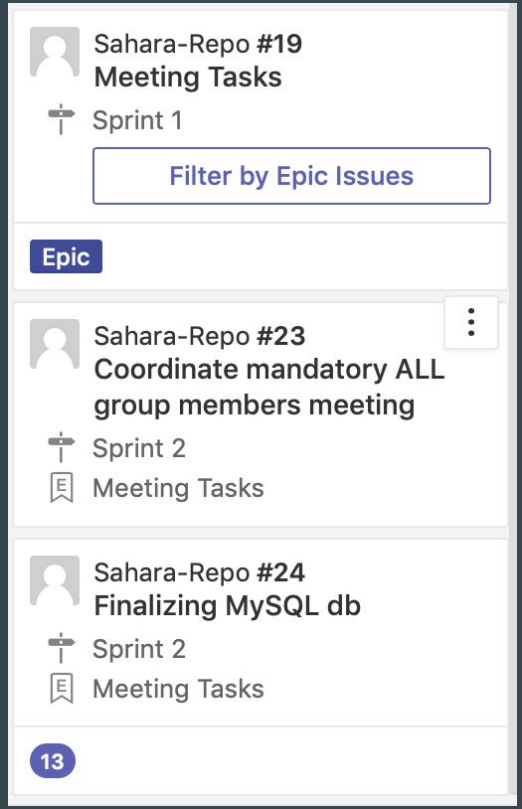


Burndown Chart



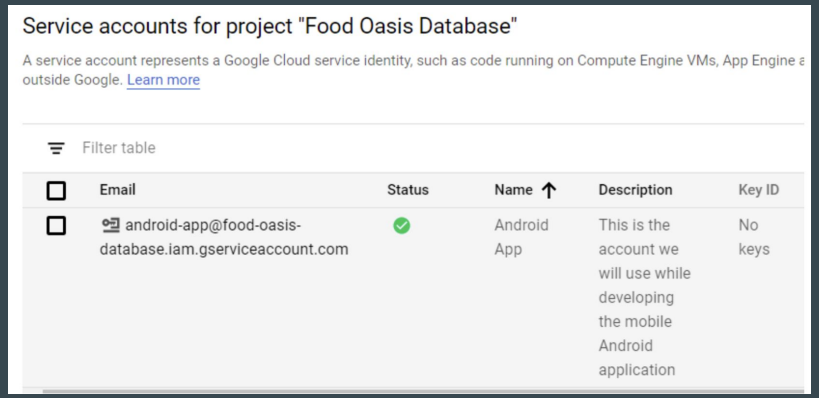
Backlog Epic: Meeting Tasks

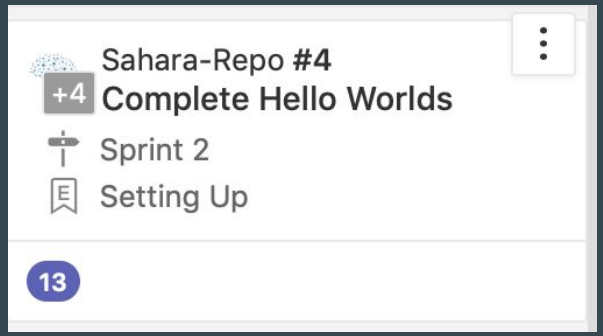
- All team member meeting crucial
- Finalizing database with all team members

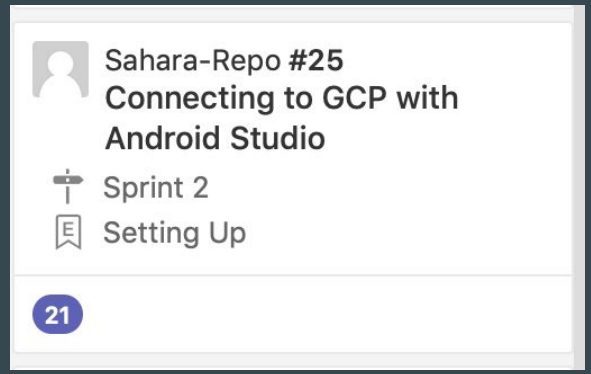


Backlog Epic: Setting Up

- Completing Hello World for Android Studio
- Integrating Android Studio with GCP







Risks

- Integrating GCP with Android Studio
- Initially encountered a possible risk of buyer adding all seller's items to cart but created a carts table in the database (seller will be able to confirm)
- Assuring a consistent vision across Food Oasis and Saver Teams