Food Oasis: Sprint 1

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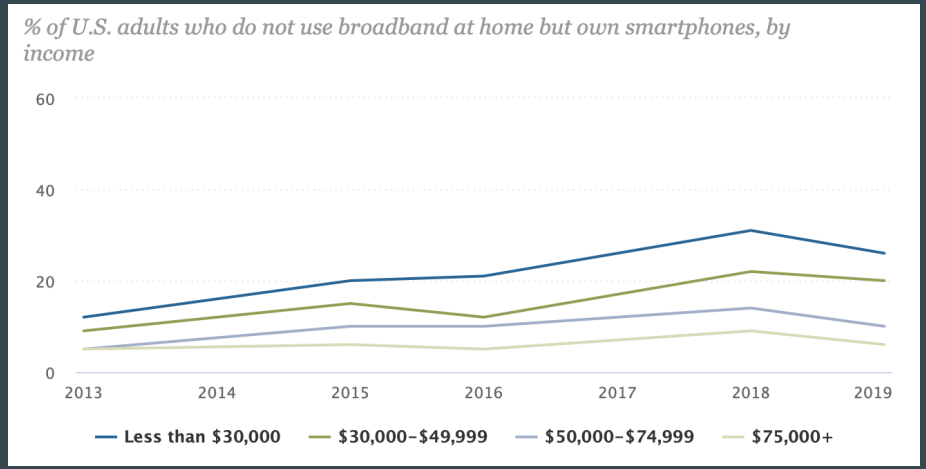
Sahara:
Pranthi Cavuturu
Sai Kalavakolanu

Epic 1: Meeting Tasks

Web app vs mobile app?



Do you prefer a mobile application after seeing the statistics?

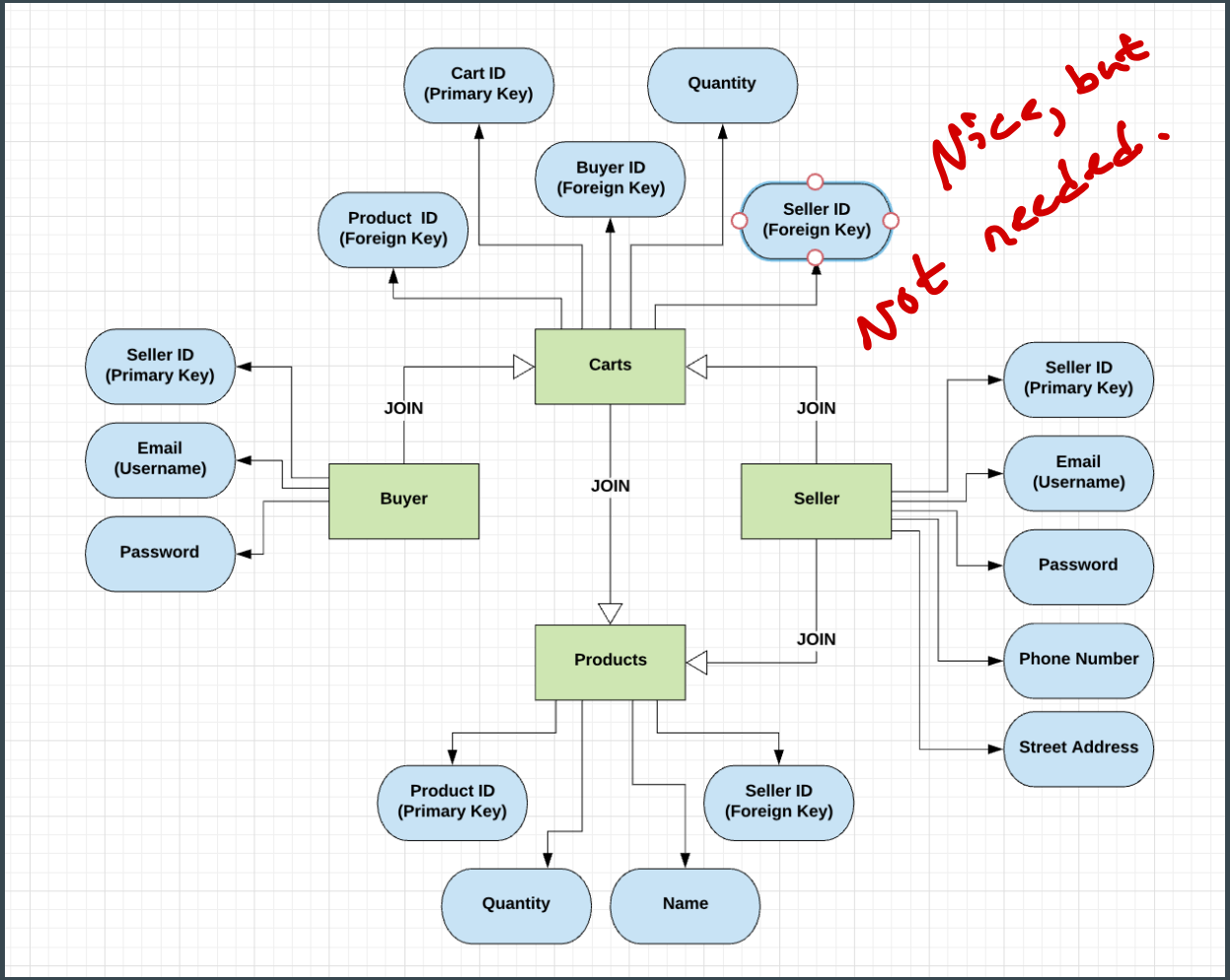
1 Yes 9

@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)
Nice, but
Not needed.
Seller ID
(Primary Key)
Carts
JOIN
JOIN
Email
(Username)
Buyer
JOIN
Seller
Password
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]>
https://console.cloud.google.com/home?cloudshell=true&project=model-union-
```

PERMISSIONS | RECOMMENDATIONS LOG

Permissions for project "Food Oasis Database"

These permissions affect this project and all of its resources. Learn more

View By: MEMBERS ROLES

Filter table

Type	Member	Name	Role
	aloye97@gmail.com		Cloud SQL Admin
	pranthicavuturu@gmail.com		Cloud SQL Admin
	skalavakolanu1@gmail.com		Cloud SQL Admin
	waldenr1@gmail.com	Ryan Walden	Owner
	wang.crystal97@gmail.com		Cloud SQL Admin

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

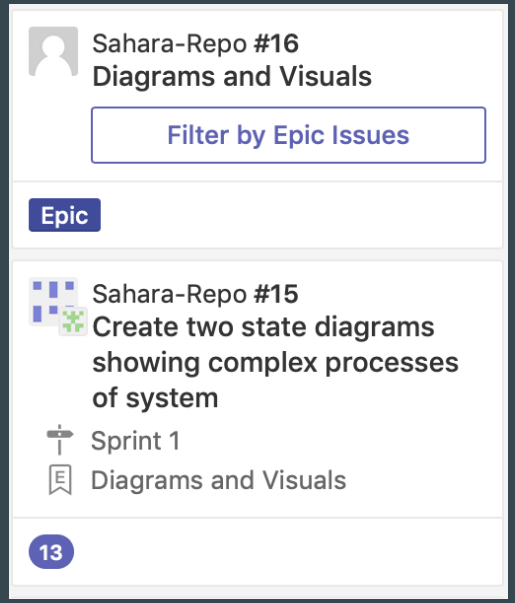
Cloud SQL and Android SDK #12

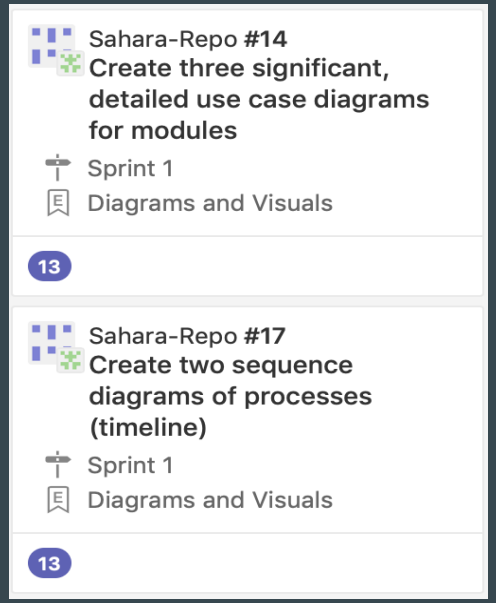
- Getting Started with MySQL on GCP
- Intro to Android SDK

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

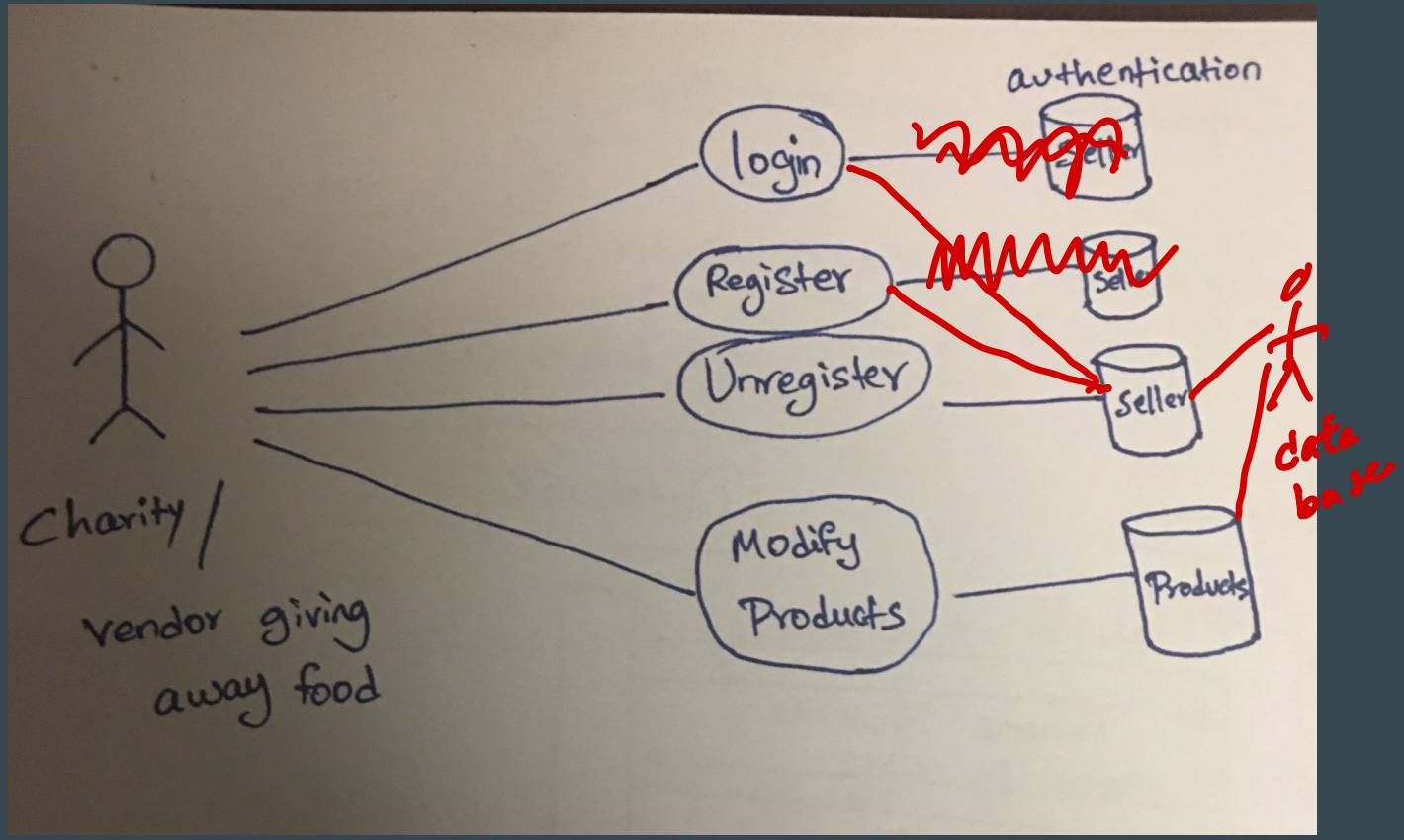
Epic 3: Diagrams and Visuals

- Use case diagrams
- State diagrams
- Sequence diagrams

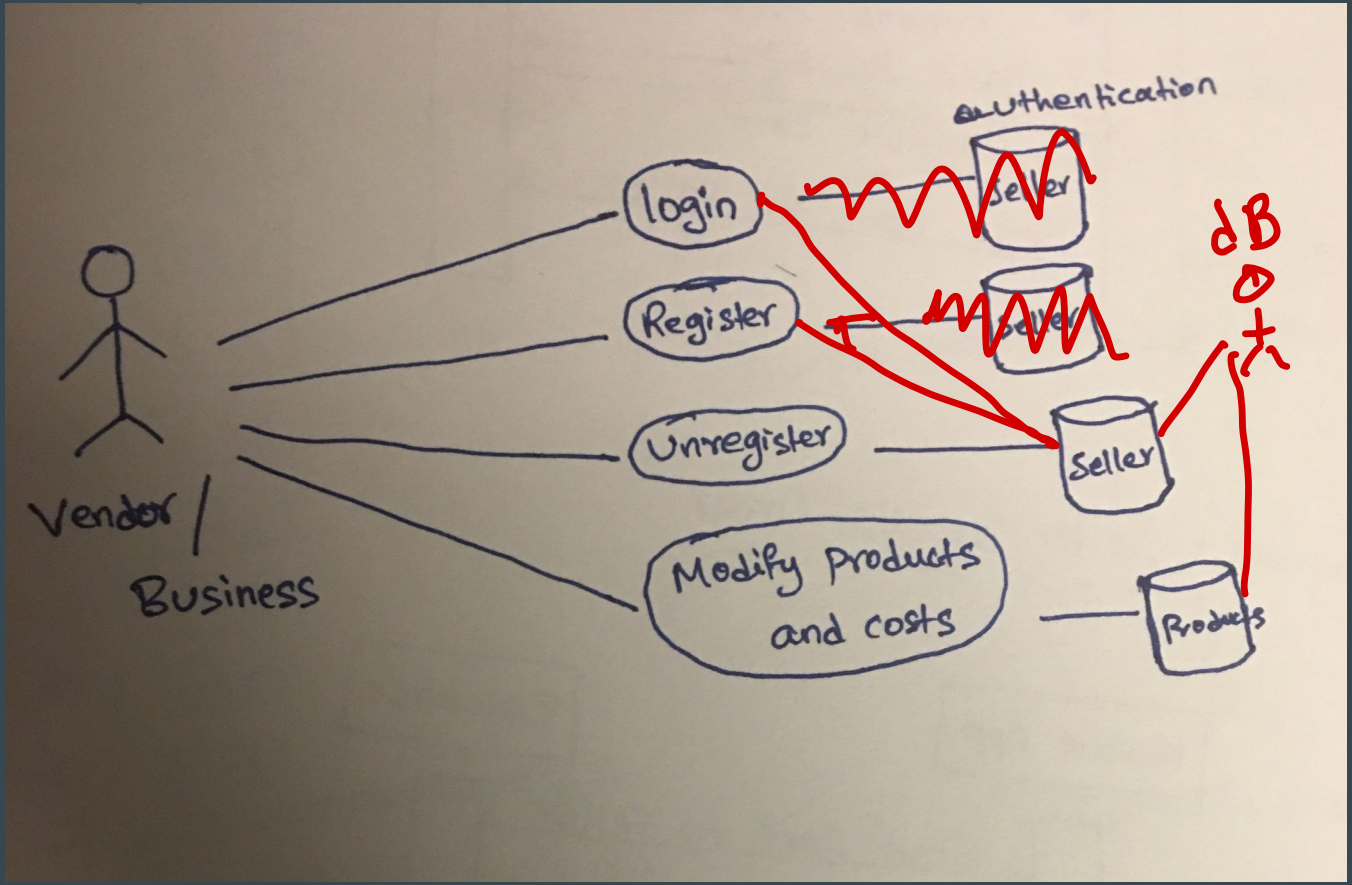




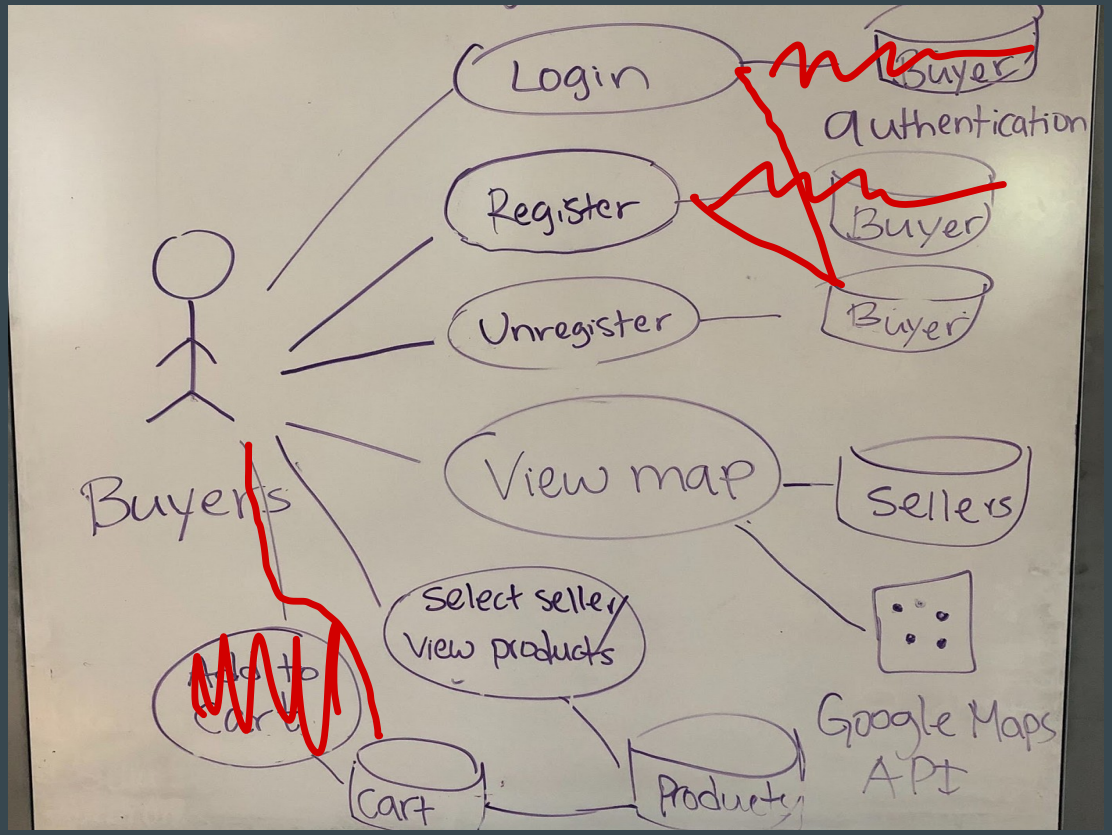
Use Case Diagram 1



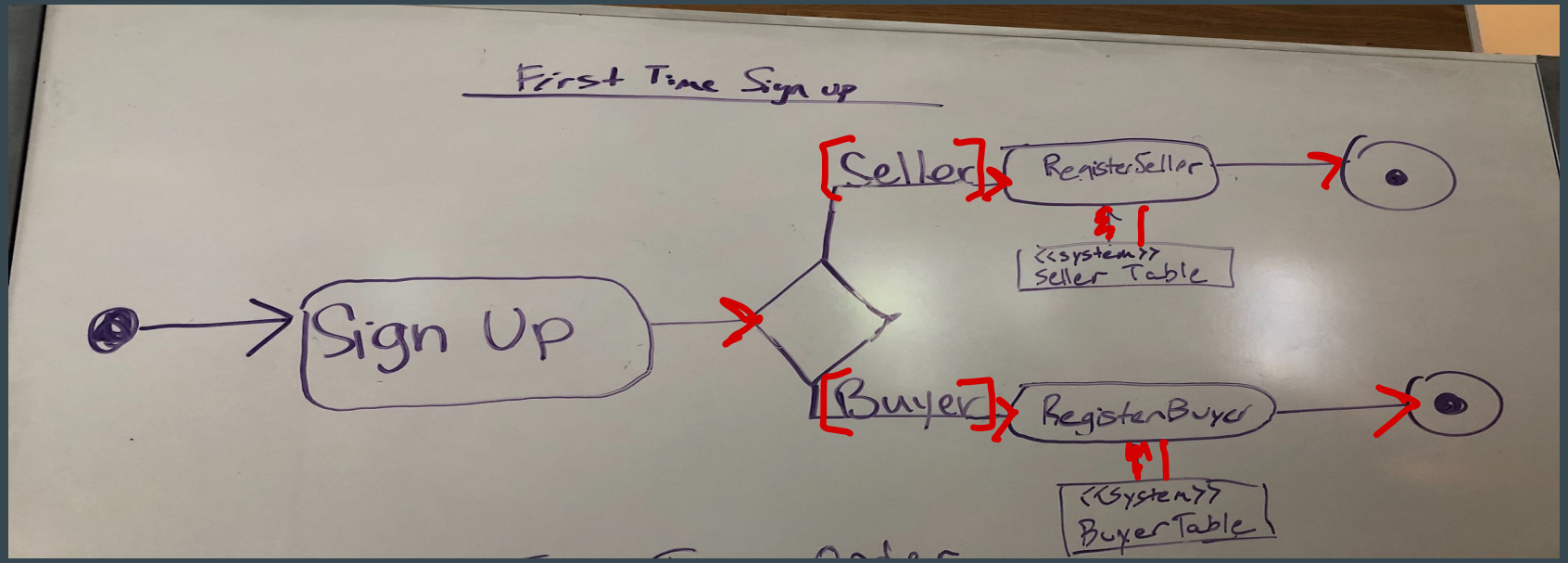
Use Case Diagram 2



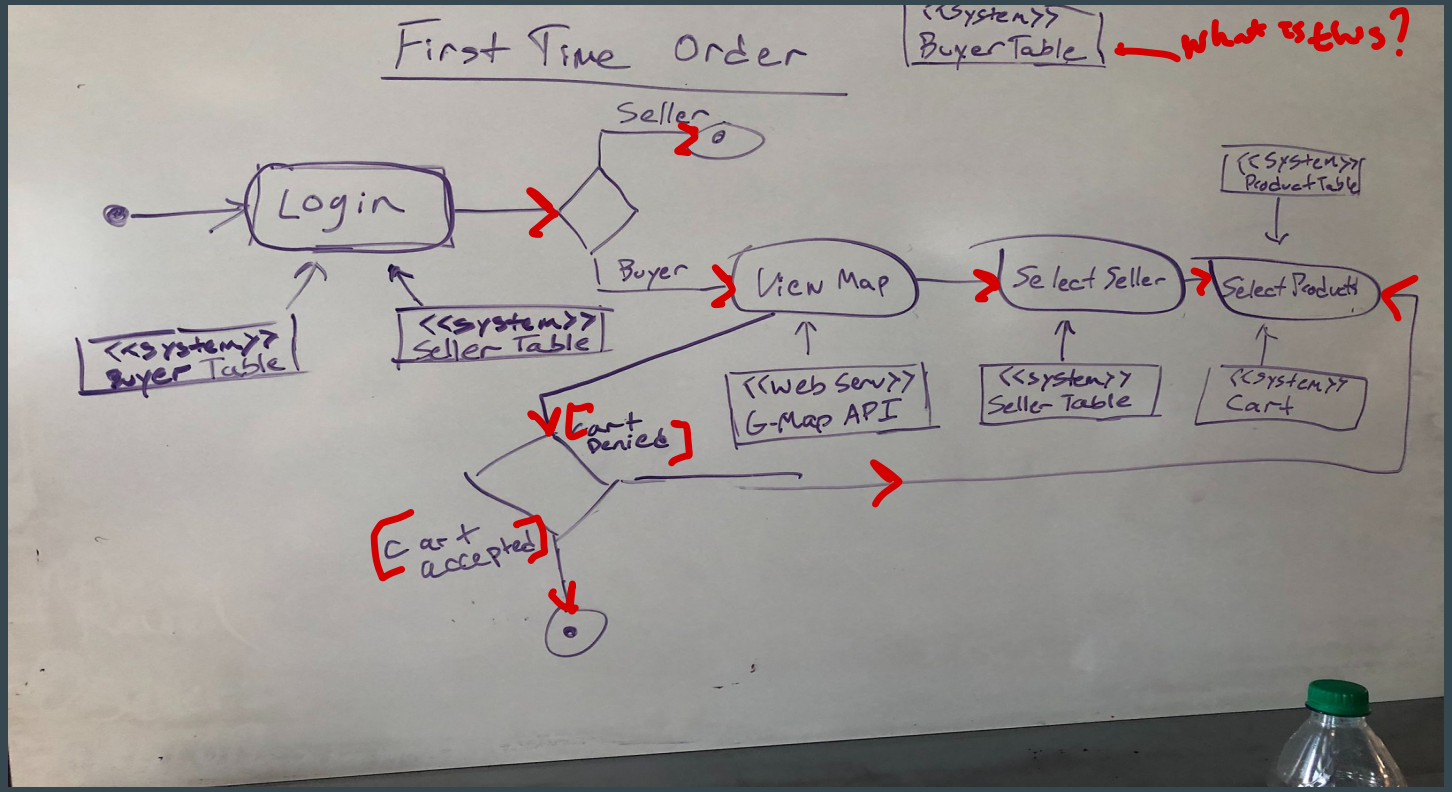
Use Case Diagram 3



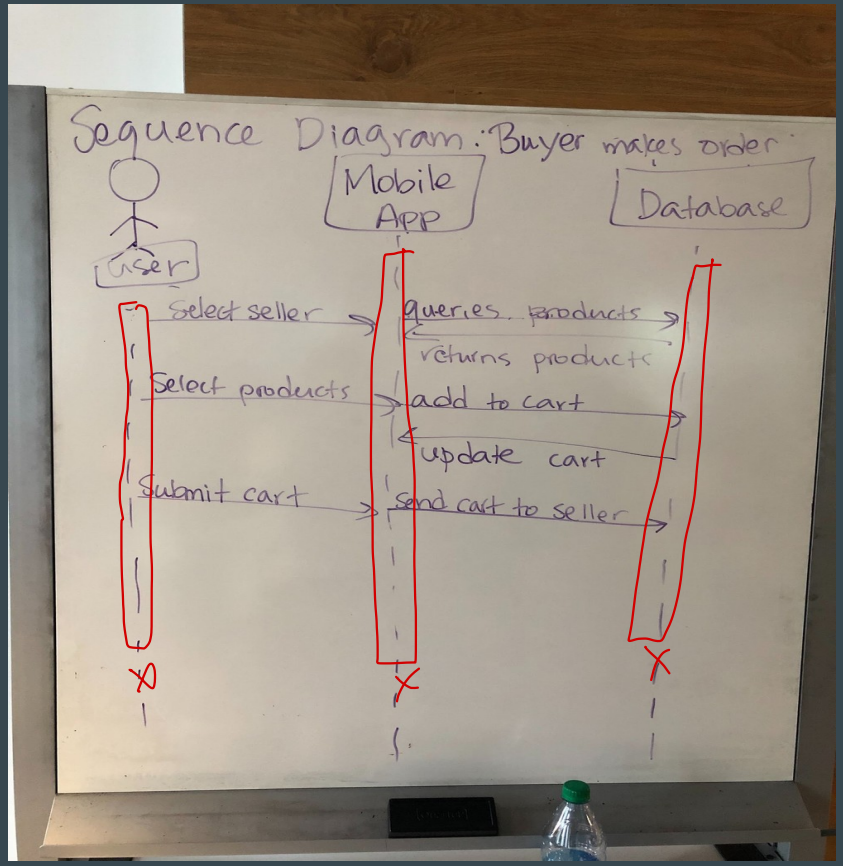
State Diagram 1: First Time Sign Up



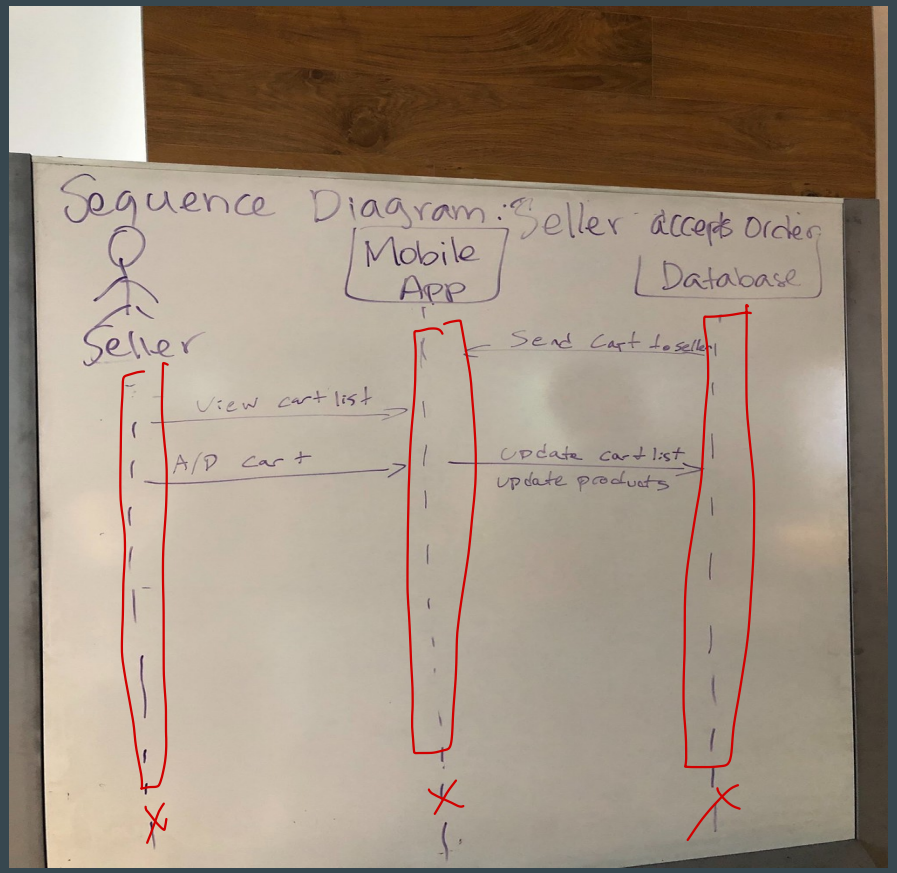
State Diagram 2: Buyer Order



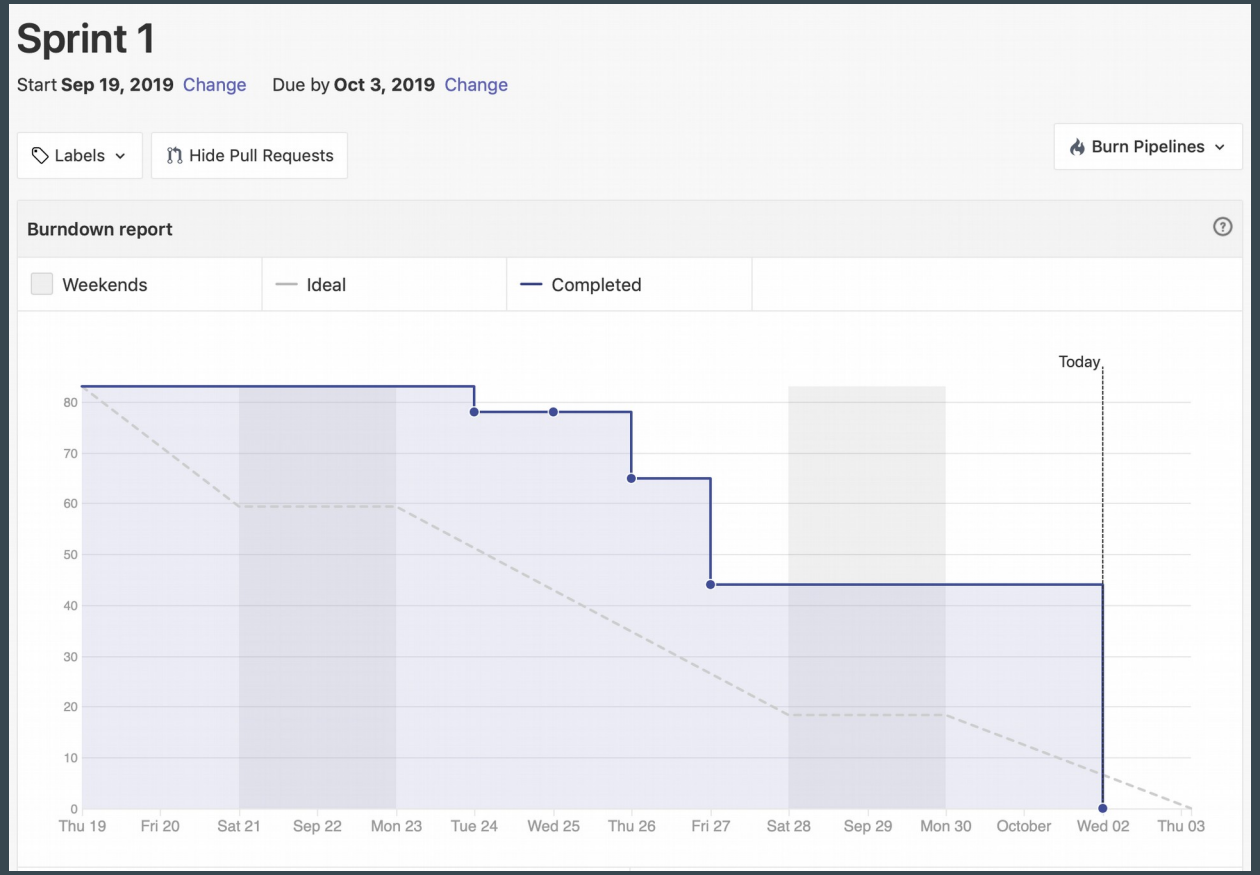
Sequence Diagram 1 : Buyer Makes Order



Sequence Diagram 2: Seller Accepts Order

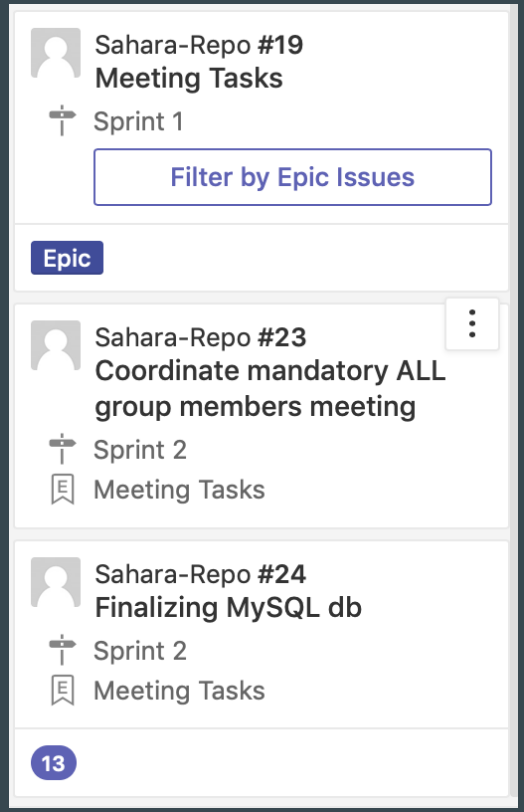


Burndown Chart



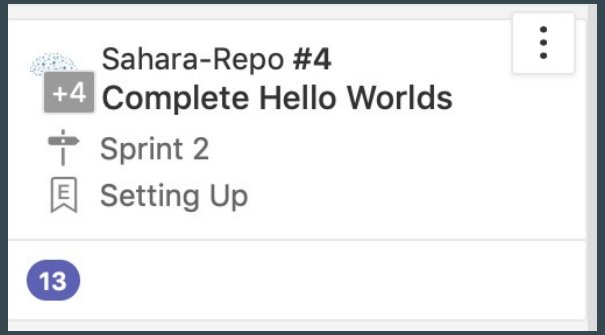
Backlog Epic: Meeting Tasks

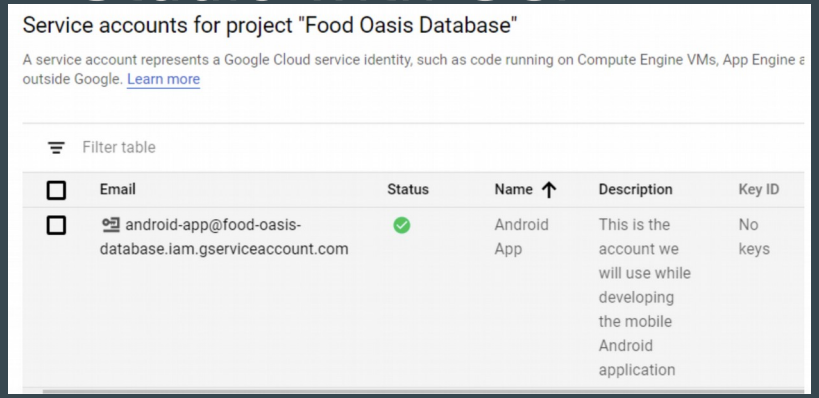
- All team member meeting crucial
- Finalizing database with all team members

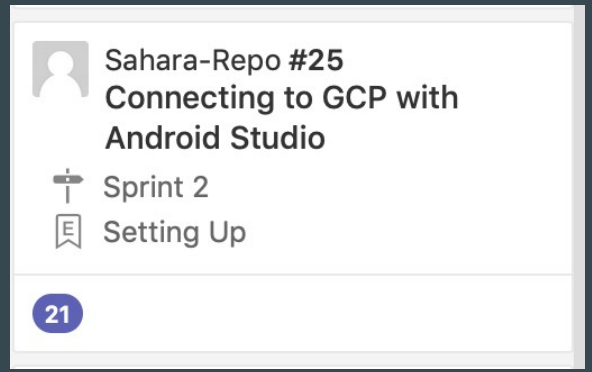


Backlog Epic: Setting Up

- 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

PM: Pranthi
SM: Sai

12:15

Gobi / Sahara

Criteria	Level 4 20 points	Level 3 17 points	Level 2 13 points	Level 1 7 points	
Timing	Used more than 6 minutes, but less than or equal to 9 minutes equally between PM and SM	Used more than 4 minutes and less than or equal to 6 minutes. And/Or PM and SM are not equally presenting content.	Used over 9 minutes. And PM and SM are not equally presenting content.	Used less than 4 minutes. And PM and SM are not equally presenting content.	20 / 20
Content	Discuss these: difficulty. • Burn down chart. (explain chosen metric) • Completed story (epic) cards. Min 3. • Backlog story cards (epics). • Risks discovered so far.	Discuss these: • Burn down chart (explain chosen metric) • Completed story (epic) cards. Min 2. • Backlog story cards (epics).	Discuss these: • Burn down chart (explain chosen metric) • Completed story (epic) cards. Min 1.	Discuss these: • Burn down chart (explain chosen metric) • Completed story (epic) cards. Min 1.	20 / 20
Demonstration of Product Knowledge	You can freely describe all the current product from both purpose (PM) and technical (SM).	You can describe the overall product and challenges without reading the screen.	You read the screen.	You don't know what is going on.	20 / 20
Use Case Diagrams	Three significant use case diagrams for modules (detailed) -2.5 Examples: Interface to Web Service, Encryption Library API, UX API, database API, etc.	Two significant use case diagrams for modules (detailed) Examples: Interface to Web Service, Encryption Library API, UX API, database API, etc.	One significant use case diagram for modules (detailed) Examples: Interface to Web Service, Encryption Library API, UX API, database API, etc.	One non-significant use case diagram for modules with not much detail.	17.5 / 20
Other UML Diagrams	Two State Diagrams showing complex processes of your system. -2.5 Two sequence diagrams of processes (timeline).	Two State Diagrams showing complex processes of your system. One sequence diagram of process (timeline).	One State Diagram showing complex process of your system. One sequence diagram of process (timeline).	One State Diagram showing complex process of your system.	17.5 / 20
Total					95 / 100