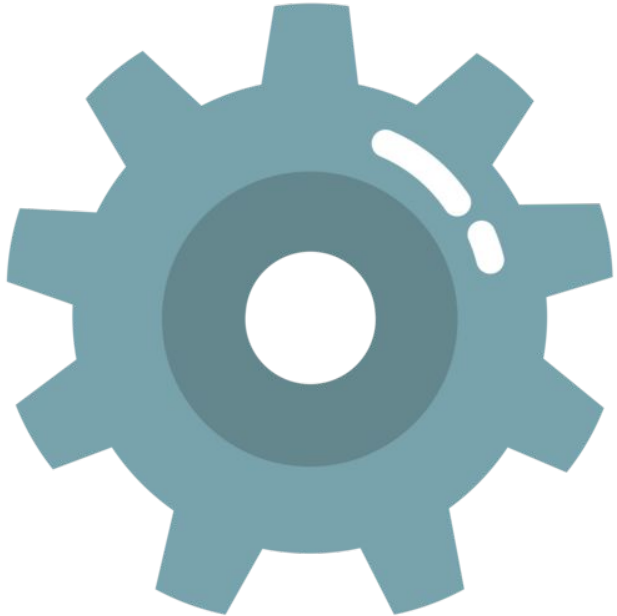
Sprint 5

You already know who we are

Document Updates

- Business Requirement Document: No major updates!
- Management Plan
  - Updated Gantt Chart
  - Updated Burndown Chart
  - Updated Project Tracking Matrix
  - Updated Sprint Board



User stories released this sprint

- Completed:
  - User friendly UI

- In progress user stories:
  - Users should be able to search for food
  - Users should be able to log in
  - Users should be able to scan a barcode

API and server

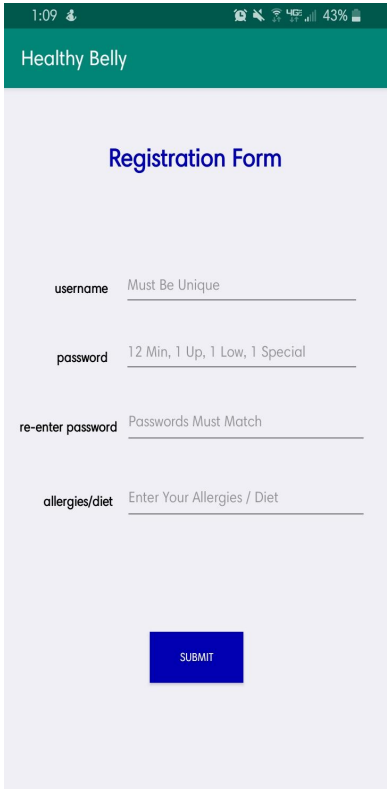
- API
  - Food Data Central
- Server
  - Firebase
- ODM Library
  - Firebase Firestore

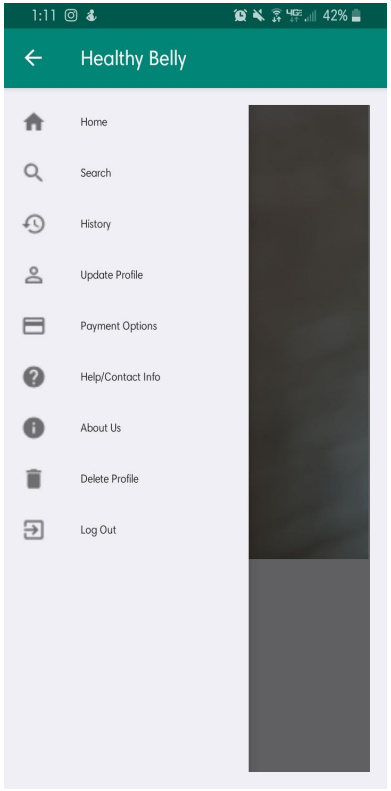
API Call

```
public class Connection {

    public static void main(String[] args) throws IOException {
        //System.out.println("Hello world");
        MyGETRequest();
    }

    public static void MyGETRequest() throws IOException {
        //URL urlForGetRequest = new URL("https://api.nal.usda.gov/fdc/v1/354148?api_key=BmpQTRpIIENgiaYN80vTCvm1cqieFWewKHEYv
        URL url = new URL("https://api.nal.usda.gov/fdc/v1/354148?api_key=BmpQTRpIIENgiaYN80vTCvm1cqieFWewKHEYvLHA");
        String readLine = null;
        //static String json = "...";
        //JsonObject jsonObject = new JsonParser().parse(json).getAsJsonObject();

        HttpURLConnection conection = (HttpURLConnection) url.openConnection();
        conection.setRequestMethod("GET");
        //conection.setRequestProperty("userId", "a1bcdef"); // set userId its a sample here
        int responsecode = conection.getResponseCode();
        String inline = null;

        if (responsecode == HttpURLConnection.HTTP_OK) {
            BufferedReader in = new BufferedReader(
                new InputStreamReader(conection.getInputStream()));
            StringBuffer response = new StringBuffer();
            while ((readLine = in .readLine()) != null) {
                response.append(readLine);

            } in .close();
            // print result
            System.out.println("JSON String Result " + response.toString());
            //contents = response.toString();
            //GetAndPost.POSTRequest(response.toString());
        }
        else {
            System.out.println("GET NOT WORKED");
        }
    }
}
```

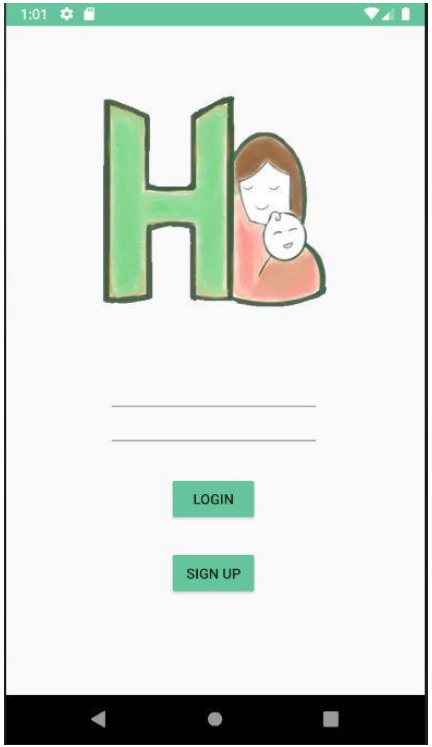
Old UI

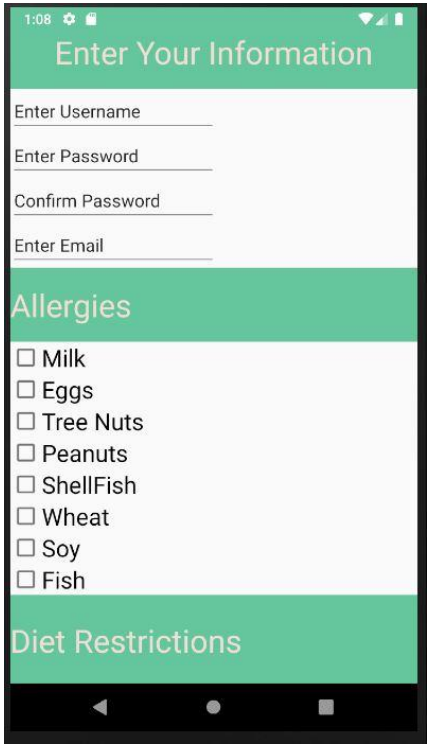

1:09
43%
Healthy Belly
WELCOME TO HEALTHY BELLY!
LOG IN
REGISTER

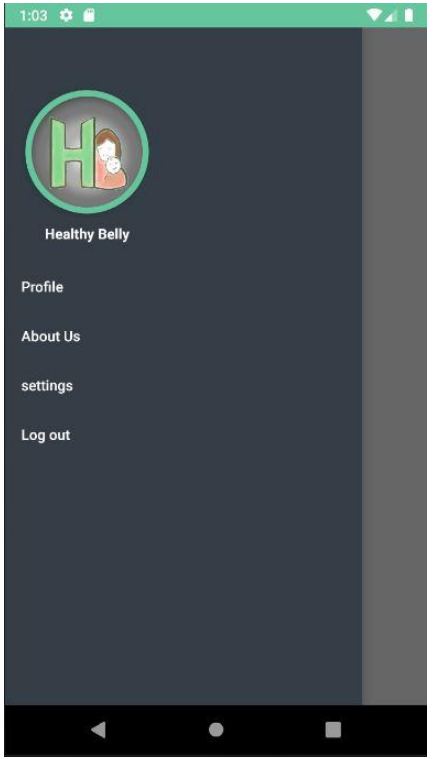

1:09
43%
Healthy Belly
Registration Form
username
Must Be Unique
password
12 Min, 1 Up, 1 Low, 1 Special
re-enter password
Passwords Must Match
allergies/diet
Enter Your Allergies / Diet
SUBMIT


1:11
42%
Healthy Belly
Home
Search
History
Update Profile
Payment Options
Help/Contact Info
About Us
Delete Profile
Log Out

Updated UI


1:01
LOGIN
SIGN UP


1:08
Enter Your Information
Enter Username
Enter Password
Confirm Password
Enter Email
Allergies
Milk
Eggs
Tree Nuts
Peanuts
ShellFish
Wheat
Soy
Fish
Diet Restrictions


1:03
Healthy Belly
Profile
About Us
settings
Log out

Scanner Updates

ZBar; What it do bby?

The ZBar library uses an approach closer to that used by "wand" and "laser" scanners: linear (1D) barcodes are designed to be decoded by a simple light sensor passing over the light and dark areas of a symbol.

ZBar implementation makes linear scan passes over an image, treating each pixel as a sample from a single light sensor. The data is scanned, decoded and assembled on the fly.

Gantt Chart

Healthy Belly Gantt Chart

Roster: [M]arty, [Mat]eo, [J]osue, [H]assan

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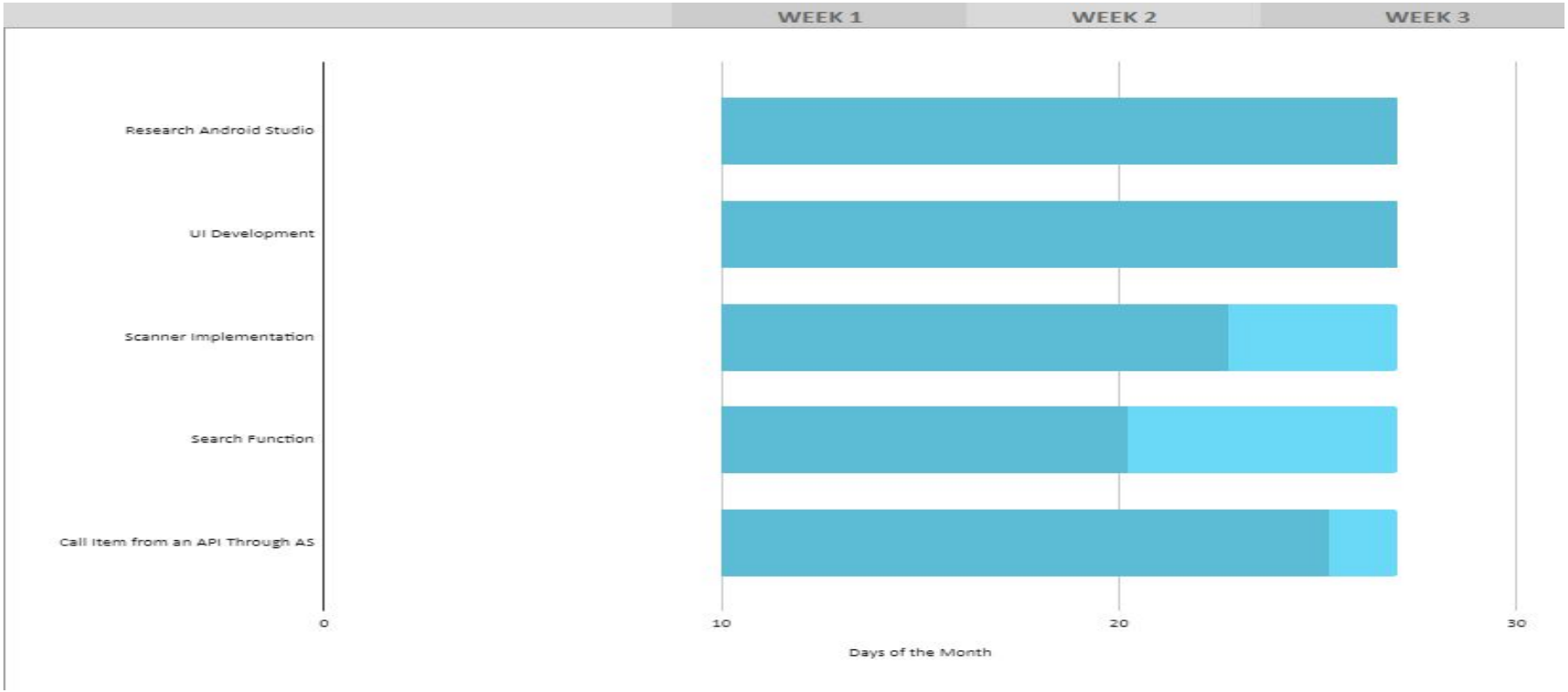
* = an automatically calculated cell

TASK NAME	START DATE	DAY OF MONTH*	END DATE	DURATION* (WORK DAYS)	DAYS COMPLETE*	DAYS REMAINING*	TEAM MEMBER	PERCENT COMPLETE
Research Android Studio	2/10	10	2/26	17	17	0	J	100%
UI Development	2/10	10	2/26	17	17	0	J	100%
Scanner Implementation	2/10	10	2/26	17	12.75	4	M	75%
Search Function	2/10	10	2/26	17	10.2	7	H, Mat	60%
Call Item from an API Through AS	2/10	10	2/26	17	15.3	2	Mat, H	90%

Gantt Chart


WEEK 1
WEEK 2
WEEK 3
Research Android Studio
UI Development
Scanner Implementation
Search Function
Call Item from an API Through AS
0
10
20
30
Days of the Month

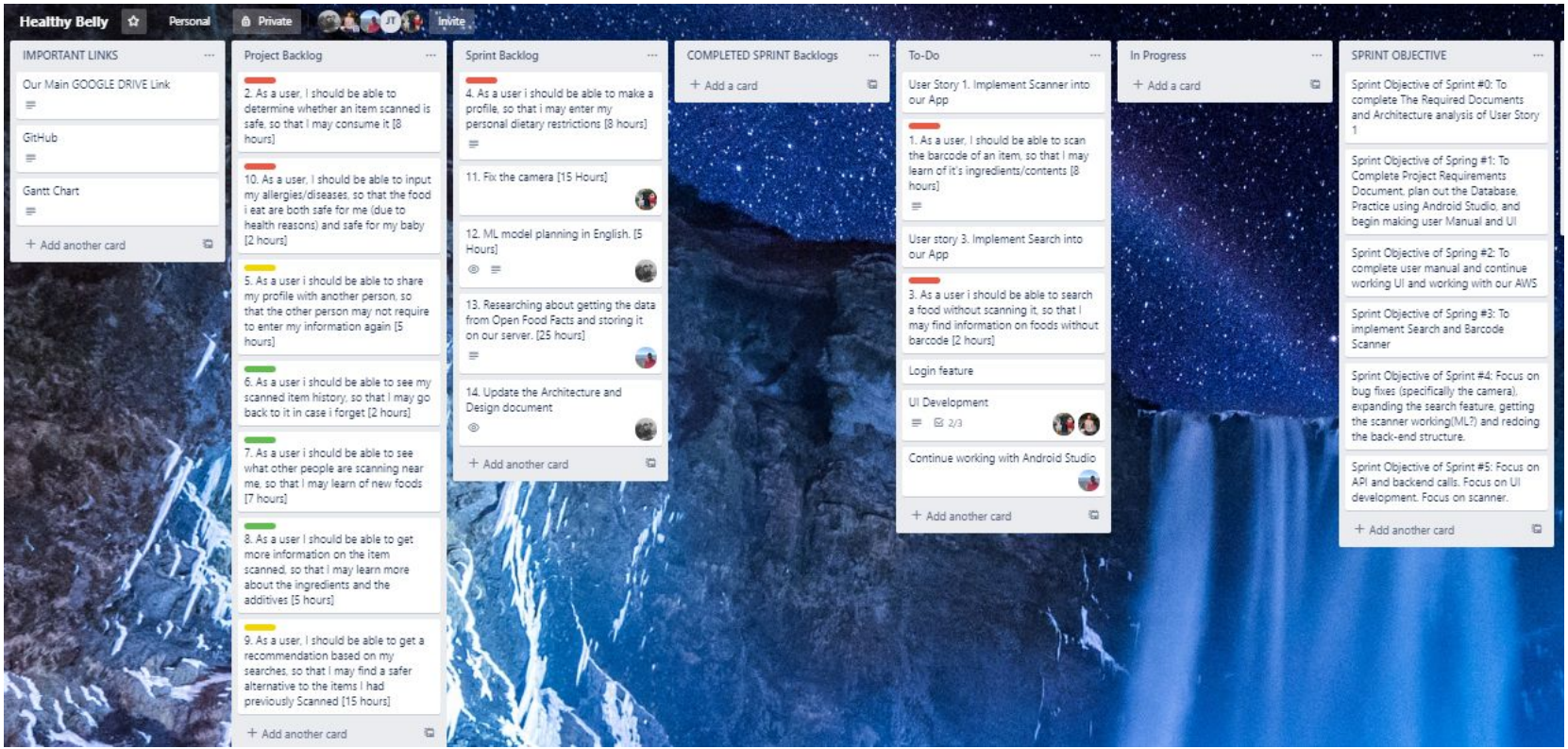
Project Tracking Matrix

Healthy Belly Project Tracking Matrix

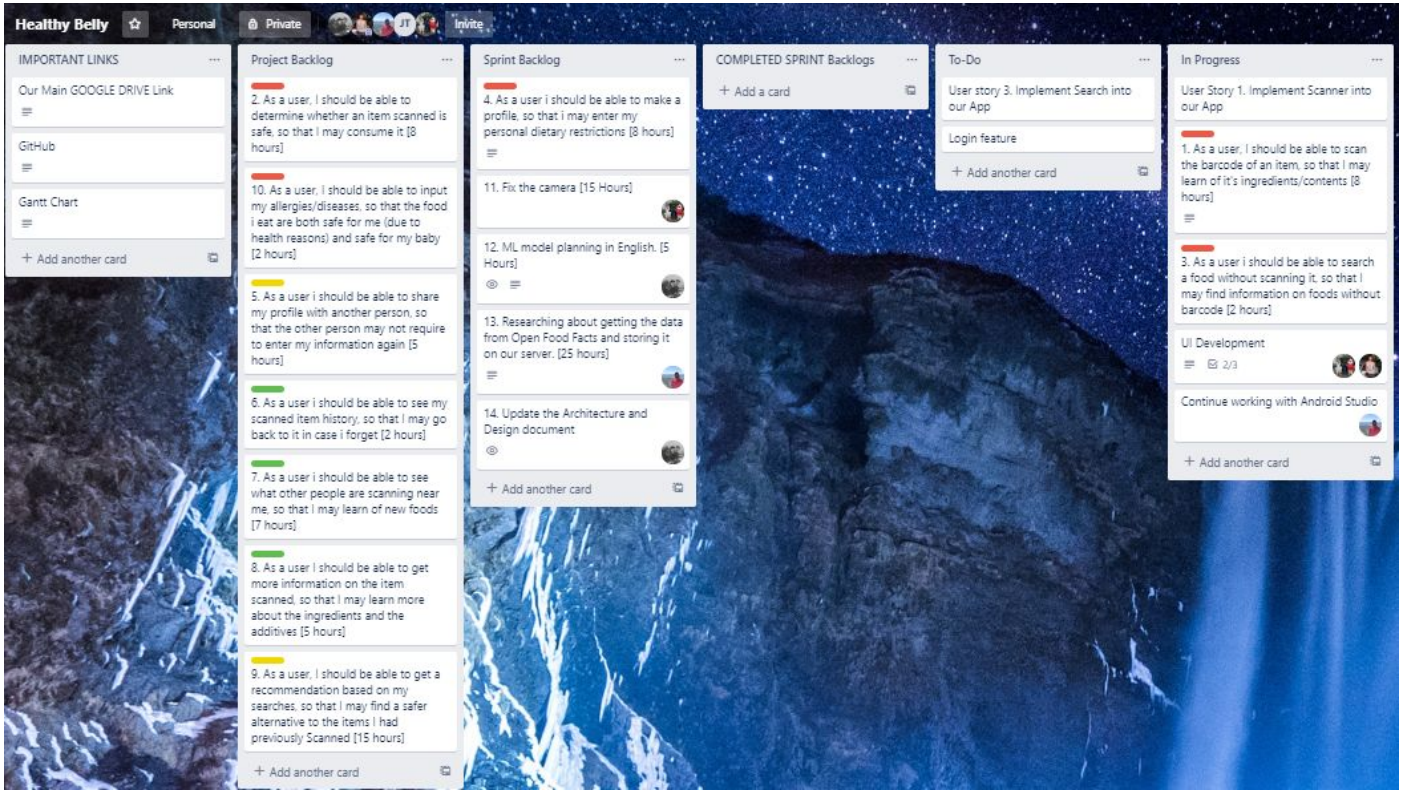
Project	Healthy Belly					**Project Manager**	Mohammad-Murtuza Bharoocha	
Project Start Date	September 2nd, 2019					**Project End Date**		

Task	Task Type	Task Status	Est SLOC	Actual SLOC	Priority	Assigned To	Assigned Date	Deadline
UI Design	Enhancement	In-Progress	<800		High	JR	18-Sep-19	NA
Backend (Databases & Servers)	Development	In-Progress	>1000		High	HI, MSPO	22-Jan-20	31-Mar-20
API	Development	In-Progress	<1000		High	HI, MSPO	22-Jan-20	31-Mar-20
Scanner	Development	In-Progress	<1000		Medum	MB	22-Jan-20	31-Mar-20
R&D	Customer Issue	In-Progress	Not Applicable		High	EVERYONE	18-Sep-19	1-Nov-19
User Login Credential	Customer Issue	In-Progress	<500		Low	HI, MSPO	NA	NA
Testing And Developing	Bug	Created	Not Applicable		Medum	EVERYONE	18-Sep-19	8-May-20

Sprint Board

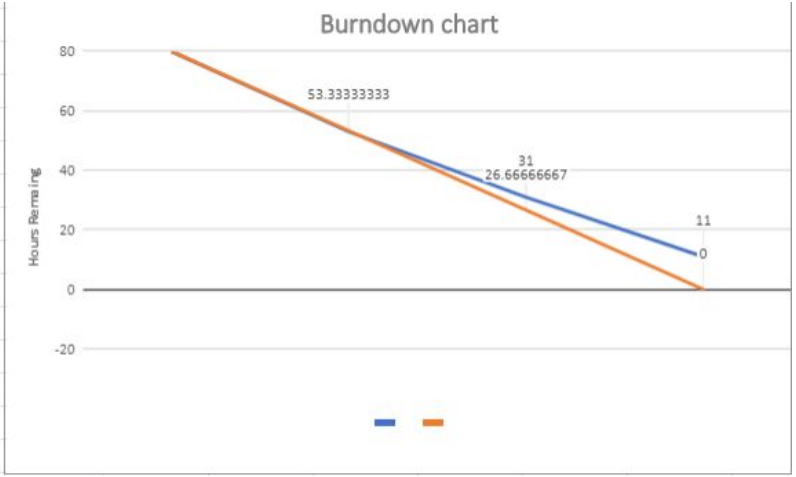


Sprint Board



Burndown Chart

Task	Planned Hours	Week 1	Week 2	Week 3	Total Hours
Research AS	10	3	3	4	10
UI Devolpment	20	7	7	6	20
Scanner Implementation	20	5	5	5	15
Search Function	10	2	2	2	6
API Connection to AS	20	10	5	3	18
			Hours Completed :		69
Actual Hours Remaining	80	53	31	11	
Estimated Remaining Hours	80	53	27	0	



RETROSPECTIVE

- Due to midterm season some of us had to put in less hours into our project.
- We feel like we found a good pace at between 70 and 80 story points, at least when the team is at full productivity.
- As a team we feel like sprint 6 we will really be able to hit a big stride.

Surprise Time?

Thank you for your time! :*

Any Questions???