

# **Pick-Up Sportz Management Plan**

**By**

**Chaz Del Prato**

**Christine Duong**

**John Him**

**Jamil Khan**

**Brandon Le**

**Benjamin Seo**



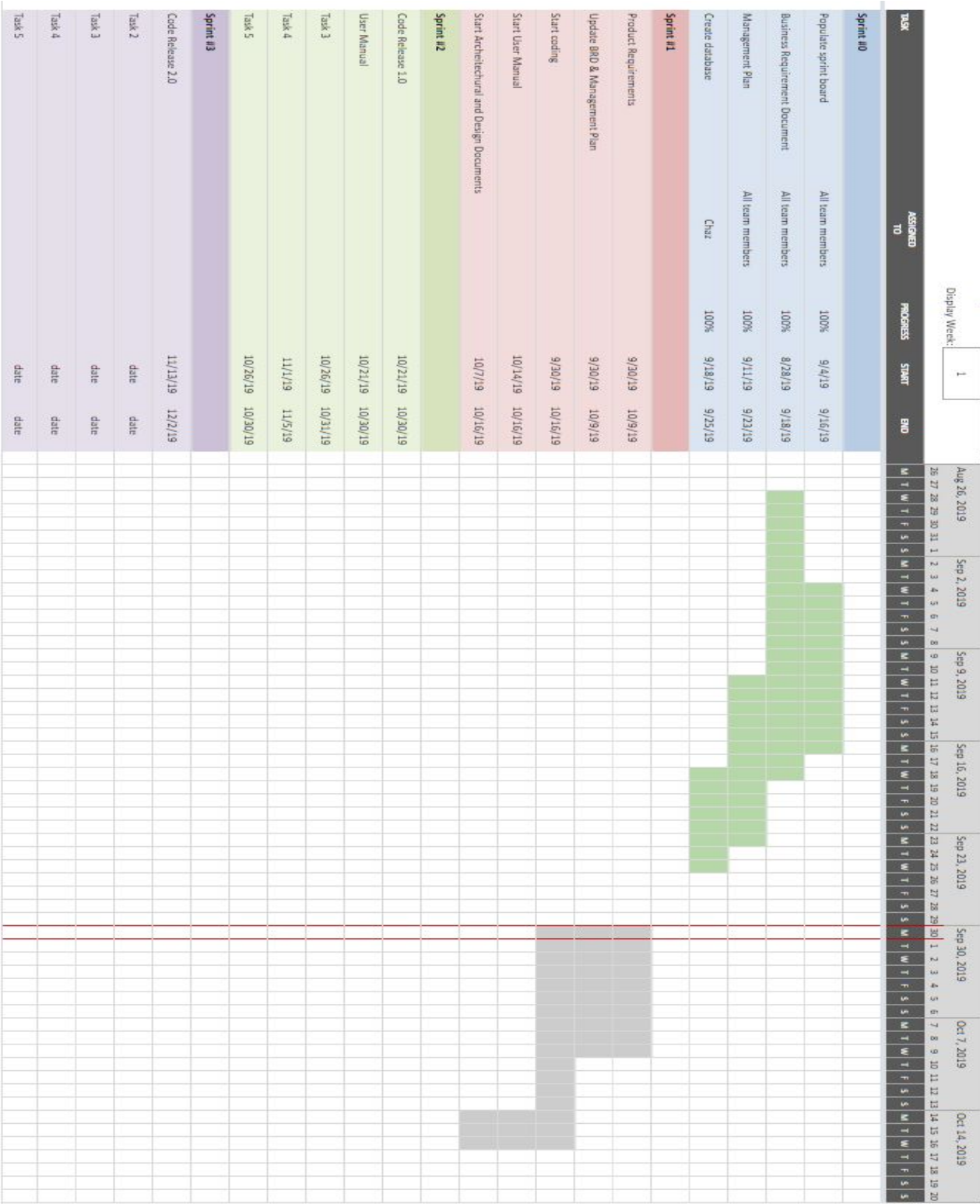
Pick Up Sportz

Product Manager:

Chaz Del Prato

Project Start: Mon, 8/26/2019

Display Week: 1



Gantt Chart

# Project Tracking Matrix Spreadsheet

Project						Project Manager							
Pick-Up Sports						Chaz Del Prato							
Project Start Date						Project End Date							
Start of Fall Semester 2019						End of Spring Semester 2020							
Task	Task Type	Task Status	Est SLOC	Actual SLOC	Priority	Assigned To	Assigned Date	Deadline	Estimated Hrs	Start Date	End Date	% Done	Actual Hrs
Populate Sprint Board	Sprint #0	Completed	-		High	Chaz Del Prato, Benjamin Seo, Brandon Le, John Him, Jamil Khan, Christine Duong	28-Aug-19	18-Sep-19	2	28-Aug-19	18-Sep-19	100%	2
Product Details	BD0	Completed	-		Medium	Chaz Del Prato	28-Aug-19	18-Sep-19	1	28-Aug-19	18-Sep-19	100%	1
Preface	BD0	Completed	-		Low	Benjamin Seo	28-Aug-19	18-Sep-19	1	16-Sep-19	18-Sep-19	100%	1
Appendix	BD0	Completed	-		Low	Benjamin Seo	28-Aug-19	18-Sep-19	1	16-Sep-19	18-Sep-19	100%	1
Mini Business Plan - Strategy	BD0	Completed	-		Medium	Brandon Le	28-Aug-19	18-Sep-19	2	28-Aug-19	18-Sep-19	100%	1
Mini Business Plan - SWOT Analysis	BD0	Completed	-		Medium	John Him	28-Aug-19	18-Sep-19	1	28-Aug-19	18-Sep-19	100%	1
Mini Business Plan - Market Segment	BD0	Completed	-		Medium	Brandon Le	28-Aug-19	18-Sep-19	2	28-Aug-19	18-Sep-19	100%	2
Mini Business Plan - Primary Market Research	BD0	Completed	-		High	Benjamin Seo	28-Aug-19	18-Sep-19	5	28-Aug-19	18-Sep-19	100%	4
Mini Business Plan - Secondary Market Research	BD0	Completed	-		High	Chaz Del Prato, Benjamin Seo, Christine Duong, Jamil Khan	28-Aug-19	18-Sep-19	8	28-Aug-19	18-Sep-19	100%	6
Mini Business Plan - Commercialization Strategy	BD0	Completed	-		Medium	John Him	28-Aug-19	18-Sep-19	2	28-Aug-19	18-Sep-19	100%	2
Mini Business Plan - Monetization Strategy	BD0	Completed	-		Medium	John Him	28-Aug-19	18-Sep-19	2	28-Aug-19	18-Sep-19	100%	2
Total Solution	BD0	Completed	-		Medium	Benjamin Seo	28-Aug-19	18-Sep-19	2	17-Sep-19	18-Sep-19	100%	1
Gantt Chart	MP	Completed	-		High	Brandon Le, Christine Duong	11-Sep-19	23-Sep-19	4	18-Sep-19	23-Sep-19	100%	1
Project Tracking Matrix	MP	Completed	-		High	Benjamin Seo	11-Sep-19	23-Sep-19	3	21-Sep-19	23-Sep-19	100%	1
Code Development Velocity Calculation	MP	Completed	-		High	Chaz Del Prato	11-Sep-19	23-Sep-19	0.5	18-Sep-19	23-Sep-19	100%	0.5
Sprint Board	MP	Completed	-		High	Jamil Khan	11-Sep-19	23-Sep-19	2	18-Sep-19	23-Sep-19	100%	2
Burndown Chart	MP	Completed	-		High	Jamil Khan	11-Sep-19	23-Sep-19	3	18-Sep-19	23-Sep-19	100%	2
Sprint Retrospective	MP	Completed	-		High	Benjamin Seo	11-Sep-19	23-Sep-19	1	21-Sep-19	23-Sep-19	100%	1
Sprint Review Records in an Appendix	MP	Completed	-		High	John Him	11-Sep-19	23-Sep-19	3	21-Sep-19	23-Sep-19	100%	2
Lessons Learned From Agile Development	MP	Completed	-		High	John Him	11-Sep-19	23-Sep-19	1	21-Sep-19	23-Sep-19	100%	1
Fit Preface - Technology Innovation or Depth	BD0	Completed	-		Medium	Benjamin Seo	22-Sep-19	29-Sep-19	0.5	22-Sep-19	28-Sep-19	100%	0.5
Fit Strategy - Unfair Advantage, Customer Segment, Channels	BD0	Completed	-		Medium	Brandon Le	22-Sep-19	29-Sep-19	1	22-Sep-19	29-Sep-19	100%	1
Fit Competitors	BD0	Completed	-		Medium	Benjamin Seo	22-Sep-19	29-Sep-19	0.5	22-Sep-19	28-Sep-19	100%	0.5
Fit Personas	BD0	Completed	-		Medium	Brandon Le	22-Sep-19	29-Sep-19	1	22-Sep-19	28-Sep-19	100%	1
Create Database	Sprint #0	Completed	-		High	Chaz Del Prato	18-Sep-19	29-Sep-19	8	18-Sep-19	29-Sep-19	100%	1
Fit Gantt Chart	MP	Completed	-		Medium	Brandon Le, Christine Duong	22-Sep-19	29-Sep-19	1	22-Sep-19	27-Sep-19	100%	1
Goals	PRD	Completed	-		High	Brandon Le	30-Sep-19	14-Oct-19	0.5	30-Sep-19	14-Oct-19	100%	0.5
User Personas	PRD	Completed	-		High	Jamil Khan	30-Sep-19	14-Oct-19	0.5	30-Sep-19	14-Oct-19	100%	0.5
User Stories	PRD	Completed	-		High	Chaz Del Prato	30-Sep-19	14-Oct-19	0.5	30-Sep-19	14-Oct-19	100%	0.5
Server Skemap	PRD	Completed	-		High	Benjamin Seo	30-Sep-19	14-Oct-19	1.5	30-Sep-19	14-Oct-19	100%	1.5
Page Description	PRD	Completed	-		High	Benjamin Seo	30-Sep-19	14-Oct-19	1	30-Sep-19	14-Oct-19	100%	1
Wireframe	PRD	Completed	-		High	Benjamin Seo	30-Sep-19	14-Oct-19	2	30-Sep-19	14-Oct-19	100%	2
Interface	PRD	Completed	-		High	Benjamin Seo	30-Sep-19	14-Oct-19	1	30-Sep-19	14-Oct-19	100%	1
Additional Functional Requirements	PRD	Completed	-		High	Benjamin Seo	30-Sep-19	14-Oct-19	1	30-Sep-19	14-Oct-19	100%	1
Non-Functional Requirements	PRD	Completed	-		High	Benjamin Seo	30-Sep-19	14-Oct-19	2	30-Sep-19	14-Oct-19	100%	2
Performance Requirements	PRD	Completed	-		High	Benjamin Seo	30-Sep-19	14-Oct-19	1	30-Sep-19	14-Oct-19	100%	1
Future Relations	PRD	Completed	-		Low	Benjamin Seo	30-Sep-19	14-Oct-19	0.5	30-Sep-19	14-Oct-19	100%	0.5
Diagram Section	ADD	Completed	-		High	Chaz Del Prato, Benjamin Seo	7-Oct-19	14-Oct-19	7	7-Oct-19	14-Oct-19	100%	7
Analysis Section	ADD	Completed	-		High	Benjamin Seo, Brandon Le	7-Oct-19	14-Oct-19	6	7-Oct-19	14-Oct-19	100%	6
Create a User Manual	Sprint #0	Completed	-		Low	Everyone	21-Oct-19	30-Oct-19	5	21-Oct-19	30-Oct-19	100%	5
UI for player Profile	Sprint #2	In-Progress	-		High	Everyone	21-Oct-19	6-Nov-19	8	21-Oct-19		30%	
Back-End Profile Editing	Sprint #2	In-Progress	-		High	Everyone	21-Oct-19	6-Nov-19	8	21-Oct-19		0%	
Test Profile Editing	Sprint #2	In-Progress	-		High	Everyone	21-Oct-19	6-Nov-19	2	21-Oct-19		0%	
Create Functional Website	Sprint #2	Completed	-		High	Everyone	21-Oct-19	6-Nov-19	10	21-Oct-19	6-Nov-19	100%	10
Search Events on Website	Sprint #2	In-Progress	-		High	Everyone	21-Oct-19	6-Nov-19	2	21-Oct-19		0%	
Test Website Functionality	Sprint #2	Completed	-		High	Everyone	21-Oct-19	6-Nov-19	3	21-Oct-19	6-Nov-19	100%	3
UI for Login to Website using Pick Up Sports Account	Sprint #2	Completed	-		High	Everyone	21-Oct-19	6-Nov-19	3	21-Oct-19	6-Nov-19	100%	3
Backend Login	Sprint #2	In-Progress	-		High	Everyone	21-Oct-19	6-Nov-19	7	21-Oct-19		10%	
UI for Create Account Features	Sprint #2	Completed	-		High	Everyone	21-Oct-19	6-Nov-19	3	21-Oct-19	6-Nov-19	100%	3
Back-End Account Creation	Sprint #2	In-Progress	-		High	Everyone	21-Oct-19	6-Nov-19	7	21-Oct-19		10%	
Test Account Creation and Login	Sprint #2	In-Progress	-		High	Everyone	21-Oct-19	6-Nov-19	2	21-Oct-19		0%	
UI for Logout Feature	Sprint #2	In-Progress	-		High	Everyone	21-Oct-19	6-Nov-19	2	21-Oct-19		0%	
Backend-End Logout	Sprint #2	In-Progress	-		High	Everyone	21-Oct-19	6-Nov-19	7	21-Oct-19		0%	
Test Logout Feature	Sprint #2	In-Progress	-		High	Everyone	21-Oct-19	6-Nov-19	2	21-Oct-19		0%	
Connect and Communicate to the Database for all current Features	Sprint #2	Completed	-		High	Everyone	21-Oct-19	6-Nov-19	12	21-Oct-19	6-Nov-19	100%	12
Test Data Transfer to and from Database	Sprint #2	Completed	-		High	Everyone	21-Oct-19	6-Nov-19	4	21-Oct-19	6-Nov-19	100%	4
Total Hours Spent		112		Project Progress		82.63%							

# Code Development Velocity Calculation

**Sprint #0:** No code development has been started.

**Sprint #1:** No code development has been started.

**Sprint #2:** Code development velocity calculation:

- 5 hours per Week x 3 weeks x 6 members = 90 hours

Front End

- Language = JavaScript (React.js)
- Lines of Code = ~ 1100

Back End

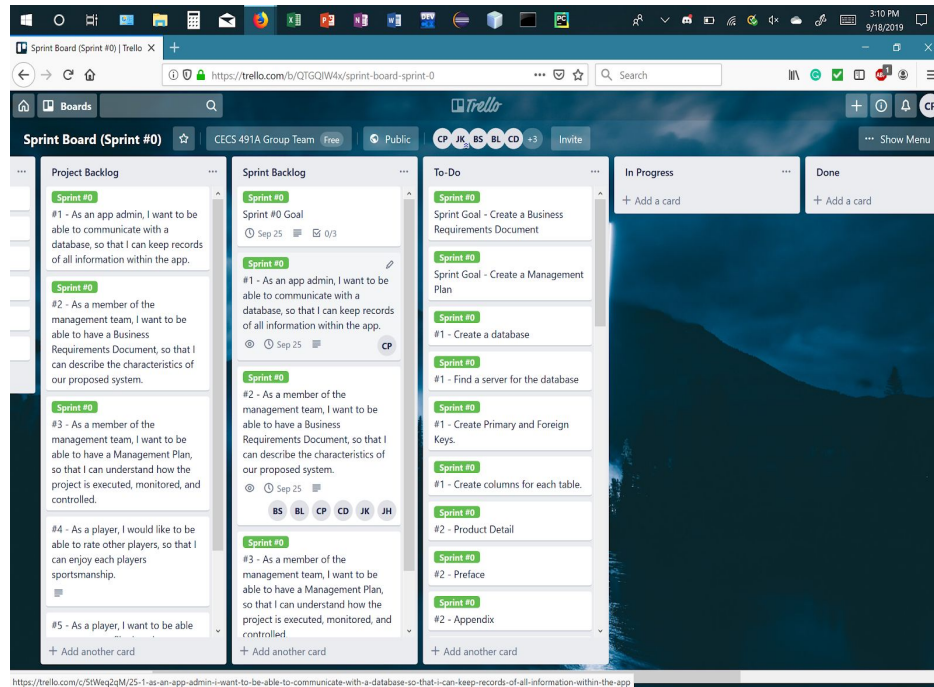
- Language = Java
- This is the coding language of the main server

Database

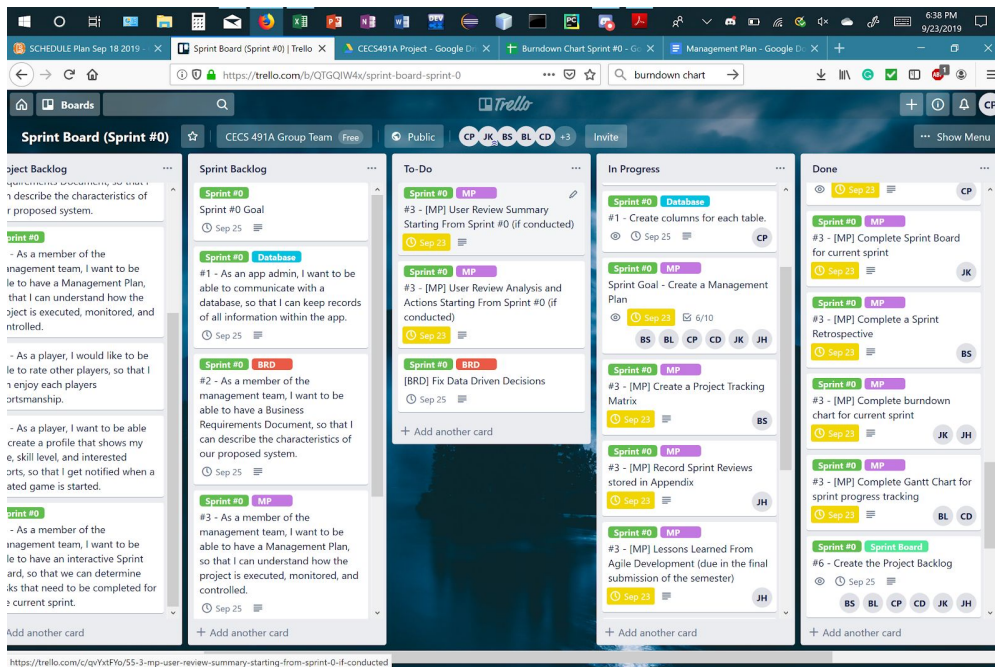
- Language = NoSQL, Firebase's Realtime Database
- The database is utilized in this sprint by saving new users account information and allowing edits to the information.

# Sprint Board

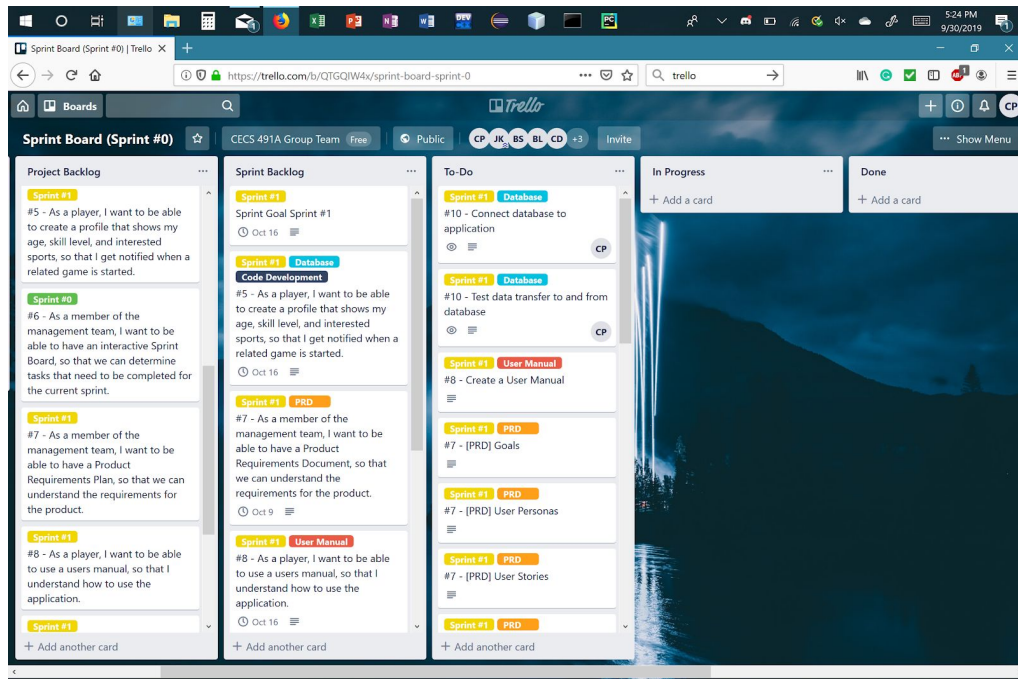
## Sprint #0 Start:



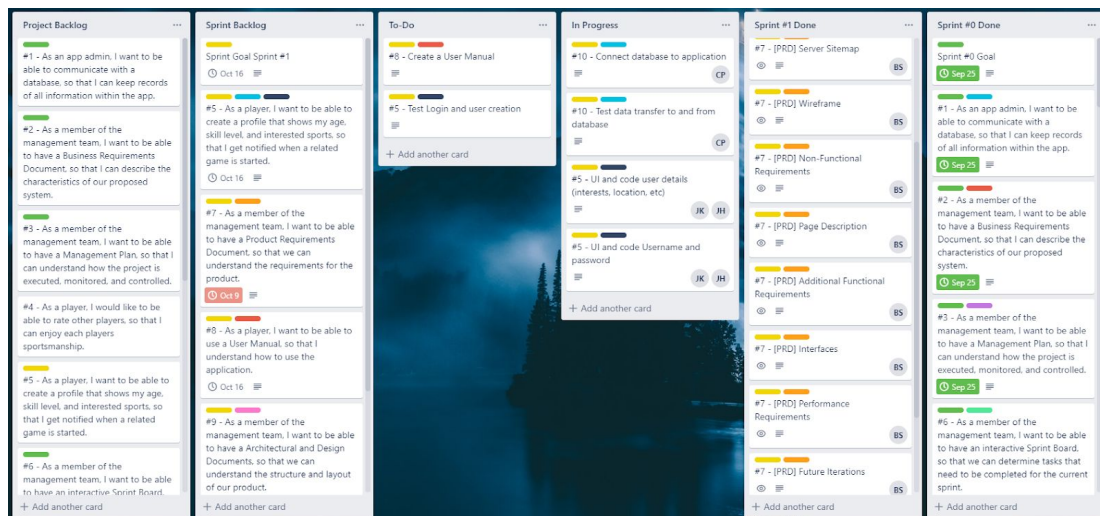
## Sprint #0 End:



## Sprint #1 Begin:

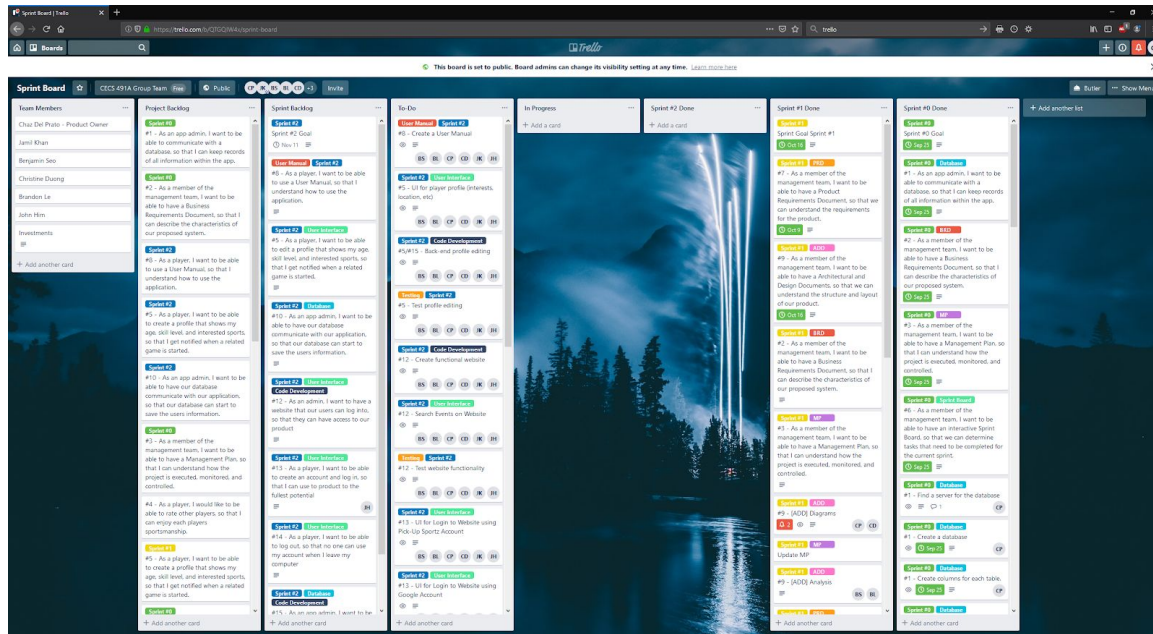


## Sprint #1 End:

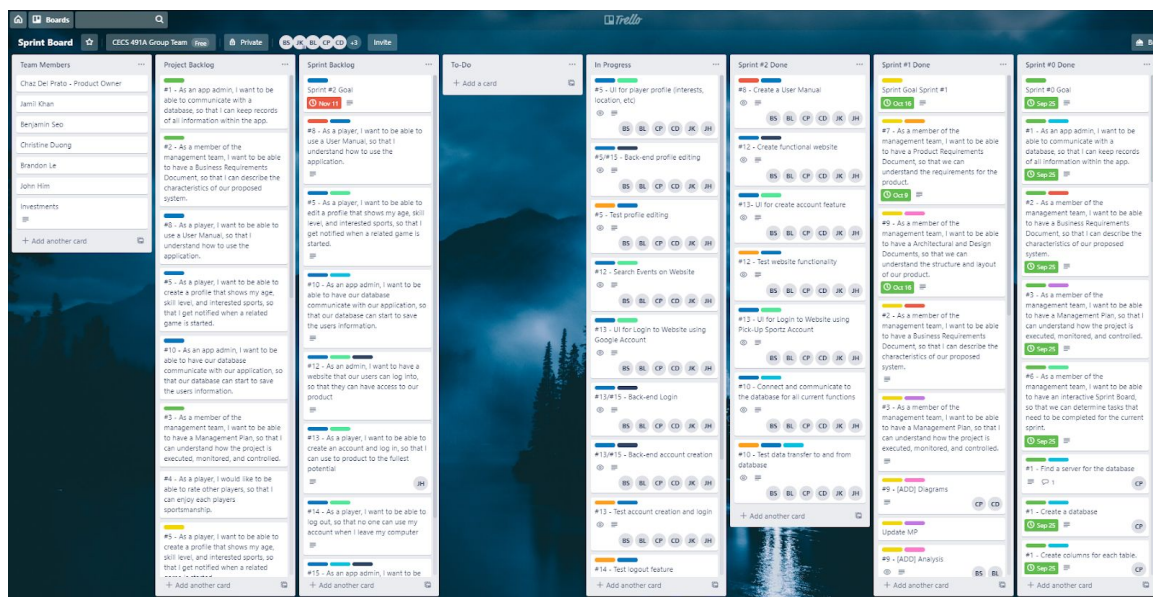




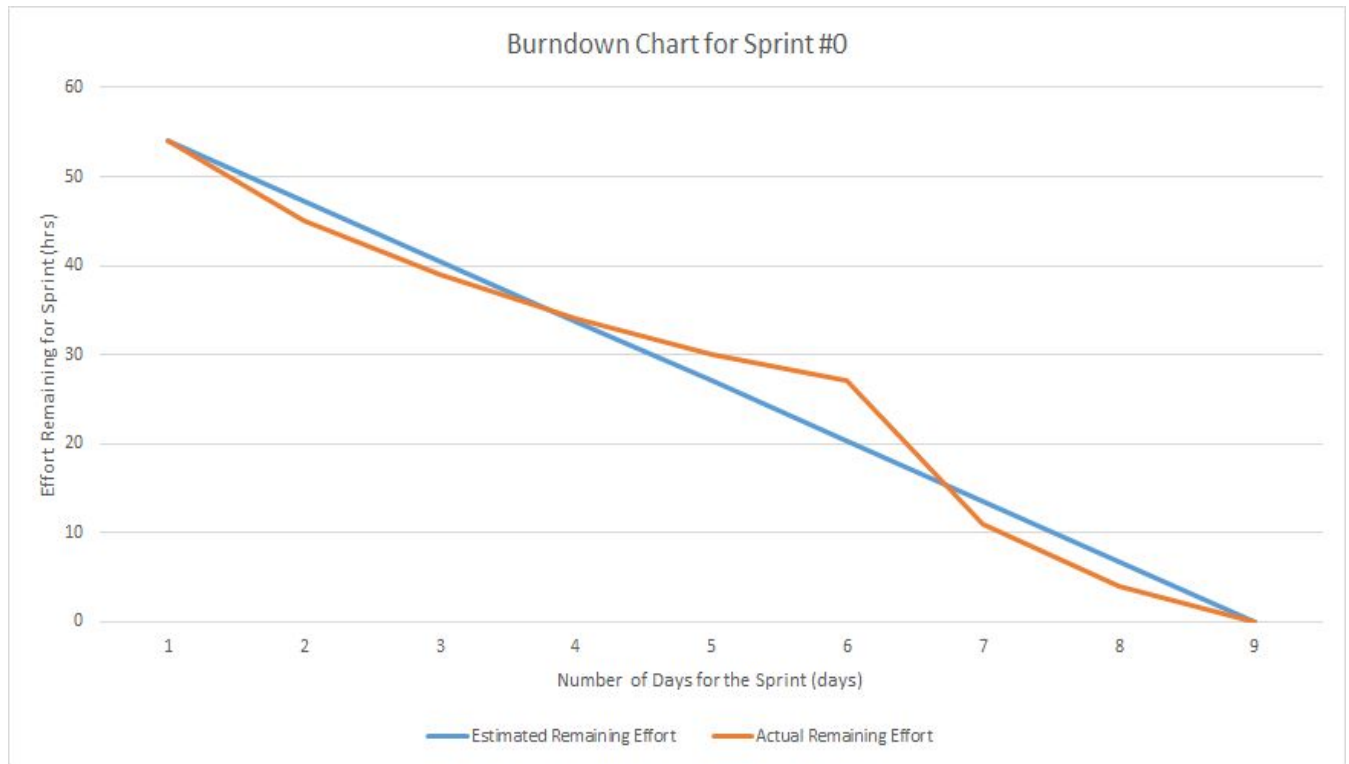
## Sprint #2 Begin:



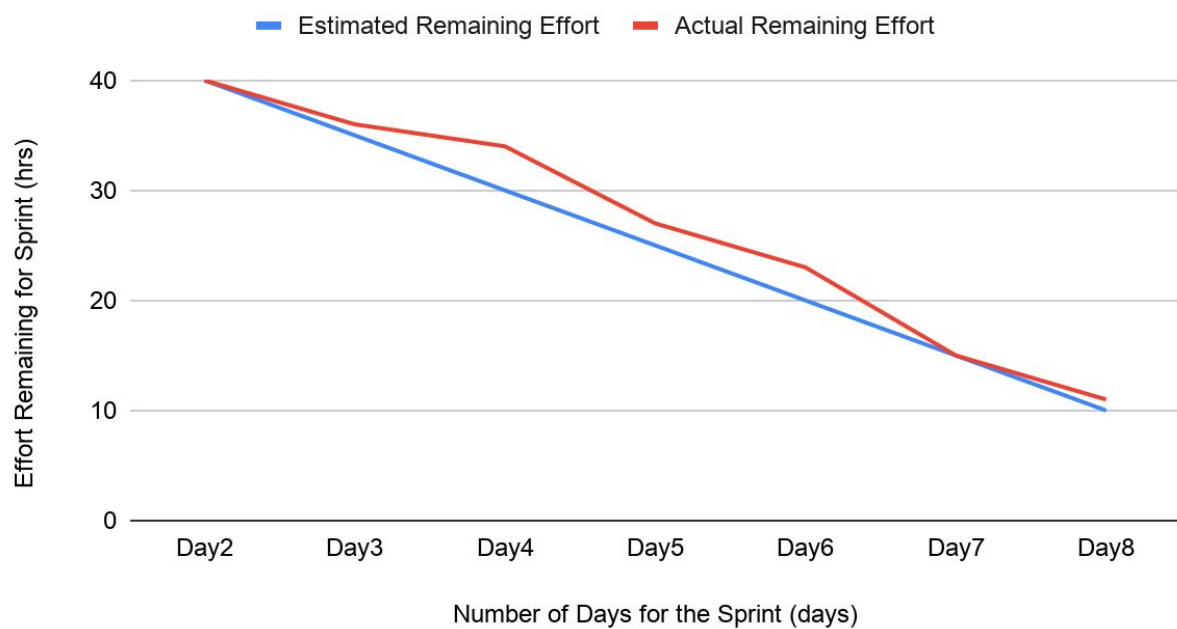
## Sprint #2 End:



# Burndown Chart

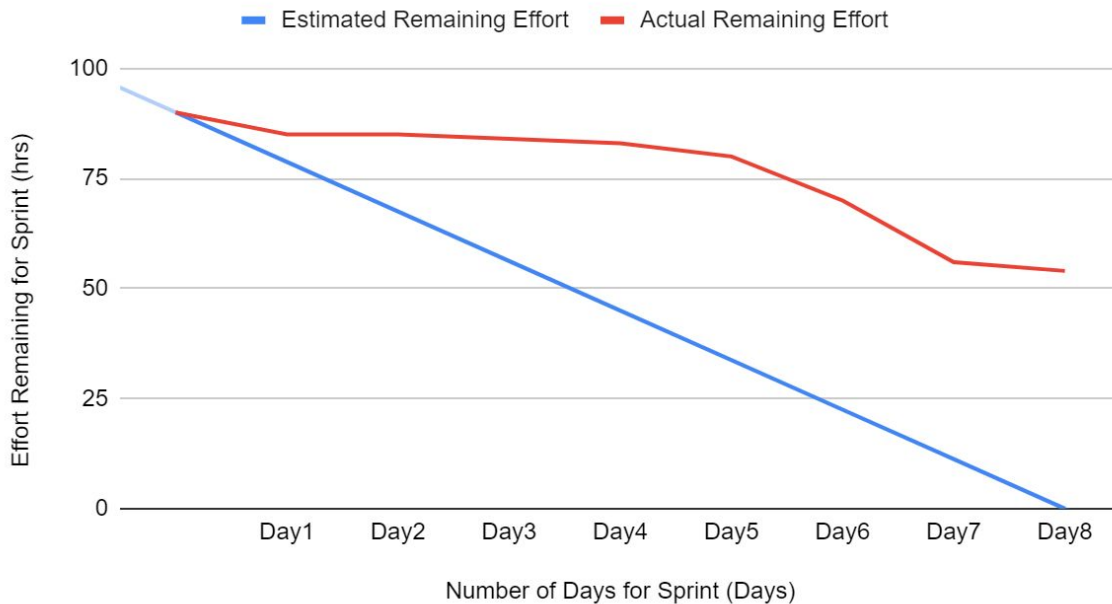


## Burndown Chart for Sprint #1





## Burndown Chart for Sprint #2



## Sprint Retrospective

### **Sprint #0:**

Our sprint goals consist of :

Creating a Business Requirement Document

Creating a Management Plan

Creating a database

Creating a sprint board

Our sprint goals have been met. Even though there were a bit a of hiccups along the way, we have completed the sprint goals on time.

Our team's total velocity is 54 hours since:

3 hours per week \* 3 weeks \* 6 members

Current hours worked: ~ 40 hours (Story Points)

Our burndown chart for sprint #0 is looking good. With all the tasks that have been completed, we can clearly see the graph slowly heading down, signifying that we are almost done with a task.

Team velocity for next sprint:

Pay attention to assignment date and due date so burndown chart looks smoother.  
Increase the hours per week

### **Sprint #1:**

Our sprint goals consist of :

Updating our Business Requirement Document

Updating our Management Plan

Creating a Product Requirements Document

Creating an Architecture and Design Document

Our sprint goals have been met. Even though there were a bit a of hiccups along the way, we have completed the sprint goals on time.

Our team's total velocity is 54 hours since:

3 hours per week \* 3 weeks \* 6 members

Current hours worked: ~ 40 hours (Story Points)

Our burndown chart for sprint #1 is looking good. With all the tasks that have been completed, we can clearly see the graph slowly heading down, signifying that we are almost done with a task.

Team velocity for next sprint:

Pay attention to assignment date and due date so burndown chart looks smoother.

Increase the hours per week

We decided to prioritize the user stories by their due dates. Since the majority of our user stories were due on the same day, creating the PRD and ADD were a higher priority than updating the previous documents.

Only a few In-Progress user stories related to code.

Tasks per User Story:

- Create PRD - 11 tasks
- Create ADD - 2 tasks
- Update BRD - 1 task
- Update MP - 1 task

### **Sprint #2**

Our sprint goals consist of :

- Create a website our users can use
- Users will be able to create and account details
- Users will be able to log in and log out of their accounts
- Connecting our database to the website
- Creating a user manual

We were not able to meet our sprint goals. There was some delay because we focused a lot on homework.

Our team's total velocity is 90 hours since:  
 $5 \text{ hours per week} * 3 \text{ weeks} * 6 \text{ members}$

Current hours worked: 40 hours (Story Points)

Our burndown chart for sprint #2 is not looking good. With all the tasks that we have, we only accomplished 7/18 tasks. We can see that on day 1 the line goes down due to finishing the user manual but from day 2 to day 5, we were held up from classes and homework. We did some of the tasks during these days but was not entirely focused on. By Day 6 to Day 8 we focused on the code release as much as we can for this sprint's deadline.

Team velocity for next sprint:

- We are planning to keep the same team velocity, from this sprint, for our next sprint.
- We are going to focus more on the tasks already assigned without adding more tasks without understanding the scope of them.
- Try to work 5 hours per day to finish our already assigned task so that our burndown chart would look better.

## Sprint Review Records

Our group reviewed what we accomplished in the Sprints by going over the individual task accomplished. We talked about the challenges we came across in the Business Requirement Documents such as how we want to approach the business strategy for our mobile application. We met the criteria for the document by fulfilling all of its requirements such as analysis, research, and strategies for our application. We also did something similar for the Management Plan, after completing a section requirement for the document we discussed how we can incorporate the information to other parts of the document.

## Lessons Learned from Agile Development

From sprint #0, we were able to learn the time required to complete a Business Requirement Document. Doing our Business Requirement Document took some weeks to complete and it included coming up with our primary research, strategy for our business plan, SWOT analysis, secondary research, determining the size of the market, and commercialization and monetization strategies. We had sufficient time to get early versions of this document and fix any dilemmas that we had. Such as fixing adjusting our primary research questions to ask and changing our business strategy. For our Management Plan we learned about how to organize work among a team to accomplish a project using tools such as a Sprint Board and track progress you have made through a Gantt Chart.