

# **Pick-Up Sportz Management Plan**

**By**

**Chaz Del Prato**

**Christine Duong**

**John Him**

**Jamil Khan**

**Brandon Le**

**Benjamin Seo**



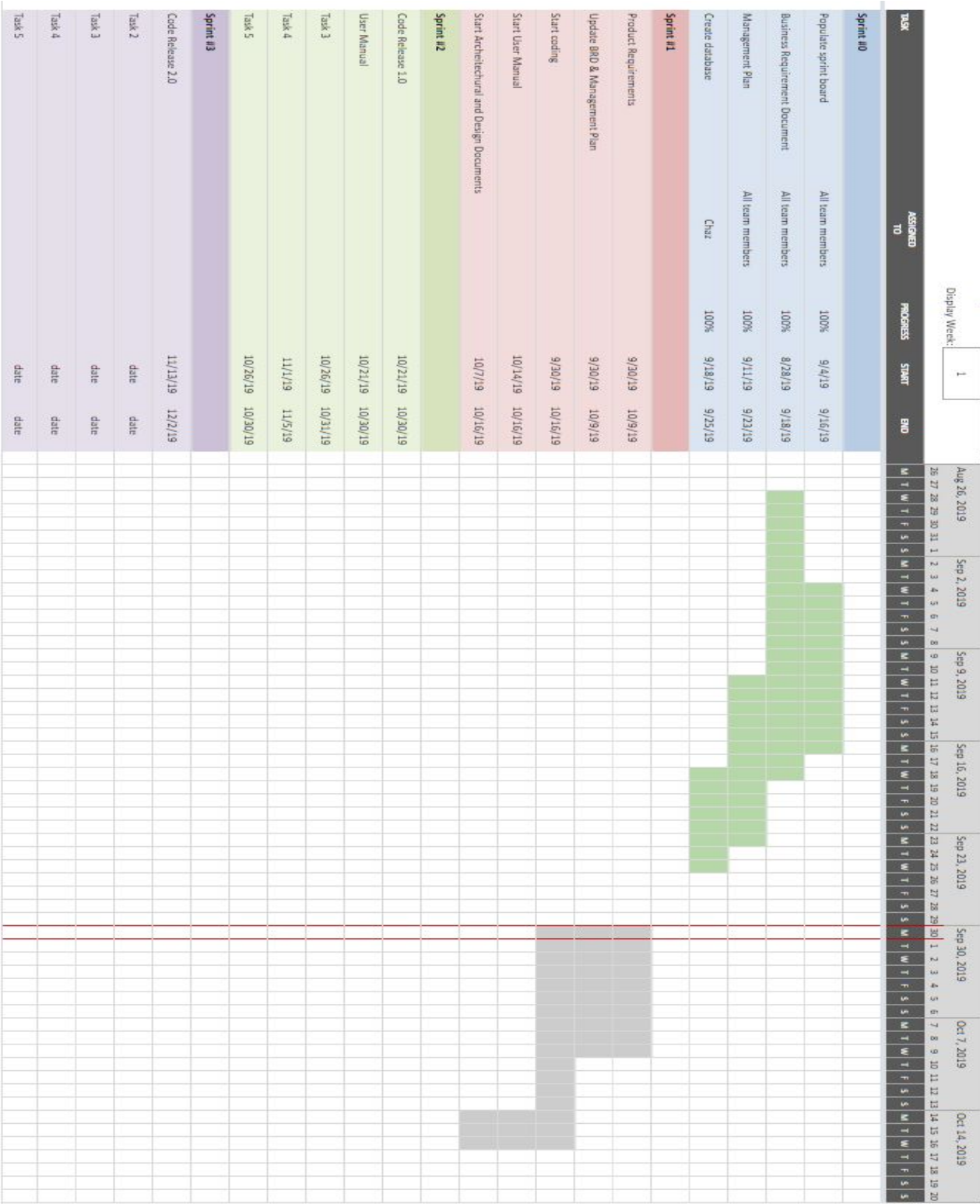
Pick Up Sportz

Product Manager:

Chaz Del Prato

Project Start: Mon, 8/26/2019

Display Week: 1



Gantt Chart

# Project Tracking Matrix Spreadsheet

Project Pick Up Sports						Project Manager Chaz Del Prato							
Project Start Date Start of Fall Semester 2019						Project End Date 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 Hr.
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	26 Aug 19	18 Sep 19	100%	3
Product Details	BRD	Completed	-		Medium	Chaz Del Prato	28 Aug 19	18 Sep 19	1	26 Aug 19	18 Sep 19	100%	1
Preface	BRD	Completed	-		Low	Benjamin Seo	28 Aug 19	18 Sep 19	1	16 Sep 19	18 Sep 19	100%	1
Appendix	BRD	Completed	-		Low	Benjamin Seo	28 Aug 19	18 Sep 19	1	16 Sep 19	18 Sep 19	100%	1
Mini Business Plan Strategy	BRD	Completed	-		Medium	Brandon Le	28 Aug 19	18 Sep 19	2	26 Aug 19	18 Sep 19	100%	1
Mini Business Plan SWOT Analysis	BRD	Completed	-		Medium	John Him	28 Aug 19	18 Sep 19	1	26 Aug 19	18 Sep 19	100%	1
Mini Business Plan Market Segment	BRD	Completed	-		Medium	Brandon Le	28 Aug 19	18 Sep 19	2	26 Aug 19	18 Sep 19	100%	2
Mini Business Plan Primary Market Research	BRD	Completed	-		High	Benjamin Seo	28 Aug 19	18 Sep 19	5	26 Aug 19	18 Sep 19	100%	4
Mini Business Plan Secondary Market Research	BRD	Completed	-		High	Chaz Del Prato, Benjamin Seo, Christine Duong, Jamil Khan	28 Aug 19	18 Sep 19	8	26 Aug 19	18 Sep 19	100%	6
Mini Business Plan Commercialization Strategy	BRD	Completed	-		Medium	John Him	28 Aug 19	18 Sep 19	2	26 Aug 19	18 Sep 19	100%	2
Mini Business Plan Monetization Strategy	BRD	Completed	-		Medium	John Him	28 Aug 19	18 Sep 19	2	26 Aug 19	18 Sep 19	100%	2
Total Solution	BRD	Completed	-		Medium	Benjamin Seo	28 Aug 19	18 Sep 19	2	17 Sep 19	18 Sep 19	100%	1
Guest 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	2	21 Sep 19	23 Sep 19	100%	2
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%	3
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
Pix Preface Technology Innovation or Depth	BRD	Completed	-		Medium	Benjamin Seo	22 Sep 19	29 Sep 19	0.5	22 Sep 19	29 Sep 19	100%	0.5
Pix Strategy Unfair Advantage, Customer Segment, Channels	BRD	Completed	-		Medium	Brandon Le	22 Sep 19	29 Sep 19	1	22 Sep 19	29 Sep 19	100%	1
Pix Competitors	BRD	Completed	-		Medium	Benjamin Seo	22 Sep 19	29 Sep 19	0.5	22 Sep 19	29 Sep 19	100%	0.5
Pix Personas	BRD	Completed	-		Medium	Brandon Le	22 Sep 19	29 Sep 19	1	22 Sep 19	29 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%	5
Pix Guest 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 Sitemap	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%	3
Interfaces	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 Iterations	PRD	Completed	-		Low	Benjamin Seo	30 Sep 19	14 Oct 19	0.5	30 Sep 19	14 Oct 19	100%	0.5
Diagrams 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													
Create a User Manual	Sprint #2	Completed	-		Low	Benjamin Seo, Brandon Le	7-Oct-19	14-Oct-19	6	7-Oct-19	14-Oct-19	100%	6
UI for player Profile	Sprint #3	In-Progress	-		High	Benjamin	21-Oct-19	4-Dec-19	8	21-Oct-19		80%	
Back-End Profile Editing	Sprint #3	In-Progress	-	300	High	Chaz	21-Oct-19	4-Dec-19	3	21-Oct-19		0%	
Test Profile Editing	Sprint #3	In-Progress	-		High	Everyone	21-Oct-19	4-Dec-19	2	21-Oct-19		0%	
Create Functional Website	Sprint #3	Completed	-	2500	High	Everyone	21-Oct-19	4-Dec-19	10	21-Oct-19	4-Dec-19	100%	10
Search Events on Website	Sprint #3	In-Progress	-	20	High	Christine	21-Oct-19	4-Dec-19	2	21-Oct-19		0%	
Test Website Functionality	Sprint #3	Completed	-		High	Everyone	21-Oct-19	4-Dec-19	3	21-Oct-19	4-Dec-19	100%	3
UI for Login to Website using Pick Up Sports Account	Sprint #3	Completed	-	300	High	Benjamin	21-Oct-19	4-Dec-19	3	21-Oct-19	4-Dec-19	100%	3
UI for Login to Website using Google Account	Sprint #3	Completed	-	30	High	Christine, Benjamin	21-Oct-19	4-Dec-19	1	21-Oct-19	4-Dec-19	100%	1
Back-End Login	Sprint #3	In-Progress	-	30	High	Chaz	21-Oct-19	4-Dec-19	2	21-Oct-19		80%	
UI for Create Account Features	Sprint #3	Completed	-	200	High	Christine/Chaz	21-Oct-19	4-Dec-19	3	21-Oct-19	4-Dec-19	100%	3
Back-End Account Creation	Sprint #3	In-Progress	-	30	High	Chaz	21-Oct-19	4-Dec-19	2	21-Oct-19		10%	
Test Account Creation and Login	Sprint #3	In-Progress	-		High	Everyone	21-Oct-19	4-Dec-19	2	21-Oct-19	4-Dec-19	80%	
UI for Logout Feature	Sprint #3	In-Progress	-	100	High	Brandon/John	21-Oct-19	4-Dec-19	2	21-Oct-19		0%	
Create Contact Page	Sprint #3	Completed	-	10	High	Jamil	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	2
Create Create Event Page	Sprint #3	Completed	-	300	High	Jamil, Chaz	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	5
Connect our Frontend with Firebase	Sprint #3	Completed	-	30	High	Chaz	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	2
Create Home Page	Sprint #3	Completed	-	10	High	John	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	1
Create No Match Page	Sprint #3	Completed	-	10	High	Brandon	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	1
Create a Password Recovery Page	Sprint #3	Completed	-	150	High	John	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	3
Create a Schedule Page	Sprint #3	Completed	-	100	High	Ben	21-Oct-19	4-Dec-19	3	21-Oct-19	4-Dec-19	100%	3
Create a Jumbotron Layout for pages	Sprint #3	Completed	-	30	High	Brandon	21-Oct-19	4-Dec-19	3	21-Oct-19	4-Dec-19	100%	2
Create a Logged in Nav Bar	Sprint #3	Completed	-	30	High	Jamil	21-Oct-19	4-Dec-19	3	21-Oct-19	4-Dec-19	100%	2
Create a Nav Bar for non user	Sprint #3	Completed	-	30	High	Ben	21-Oct-19	4-Dec-19	3	21-Oct-19	4-Dec-19	100%	2
Test Pages	Sprint #3	Completed	-		High	Everyone	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	5
Create Create Profile	Sprint #3	Completed	-	300	High	Jamil	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	5
Total Hours Spent													
132		Project Progress				90.00 %							

# 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 #3:** Code Development velocity calculation

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

Front End

- Language = React.js
- Lines of Code = ~2600 lines

Back-end

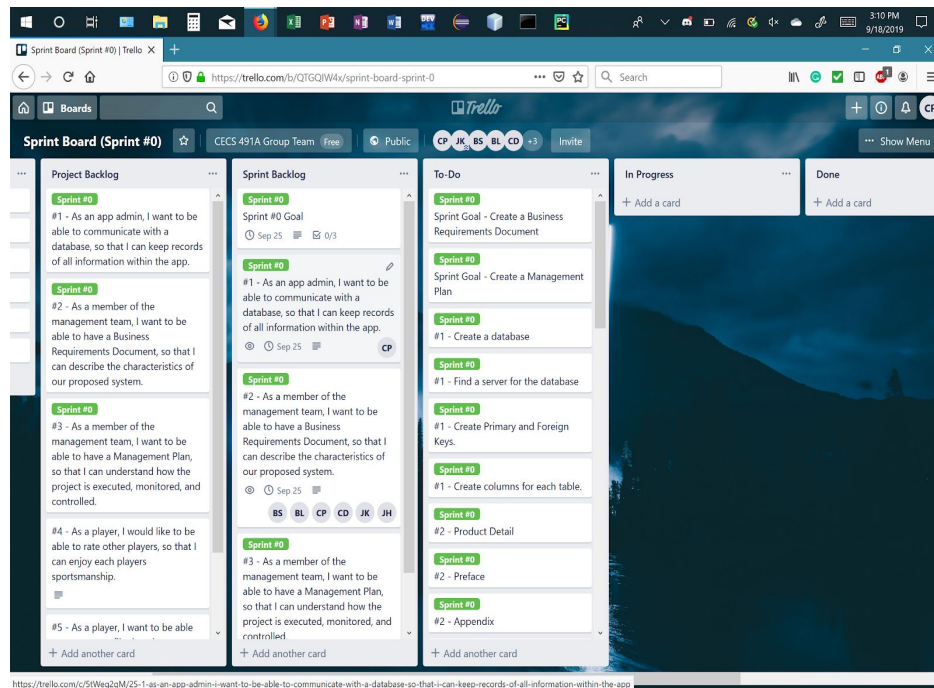
- Language = Express.js
- Lines of Code = ~100 lines

Database

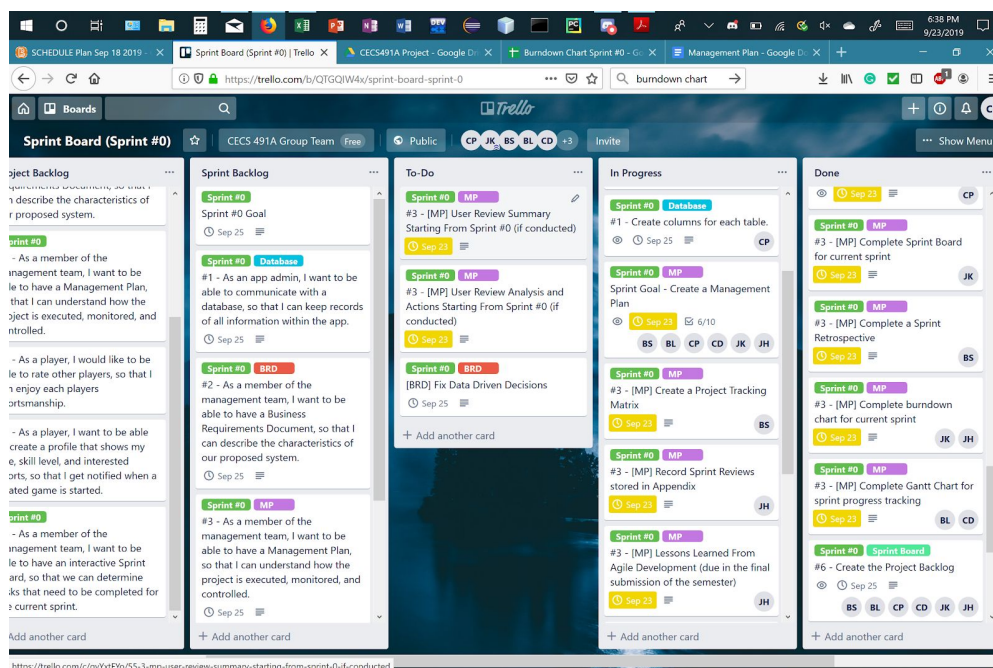
- Language = Cloud Firestore

# Sprint Board

Sprint #0 Start:

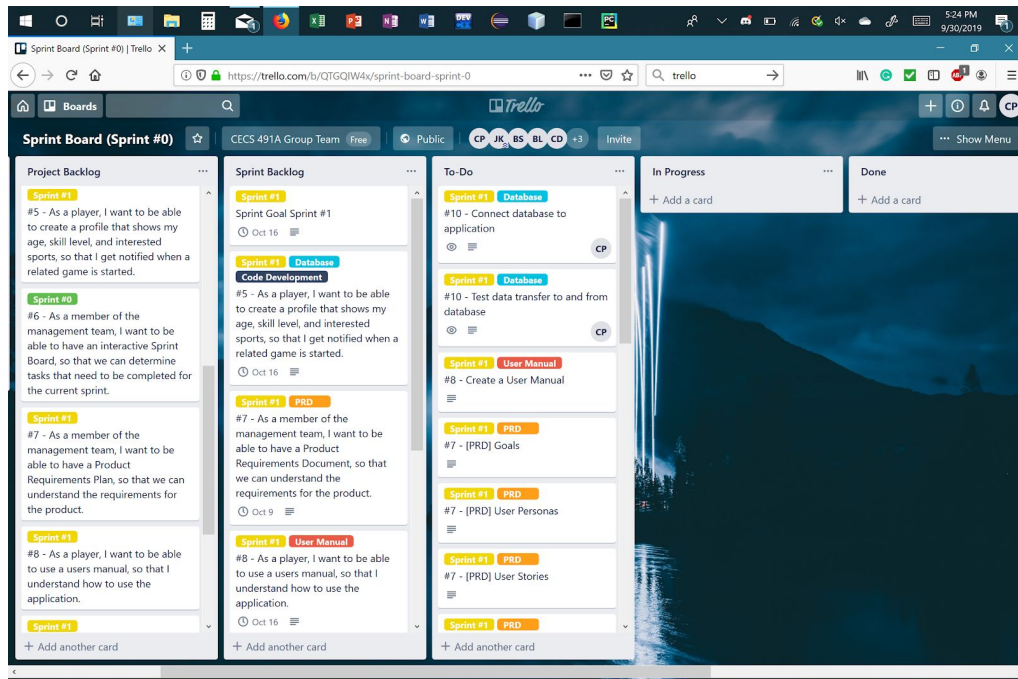


Sprint #0 End:

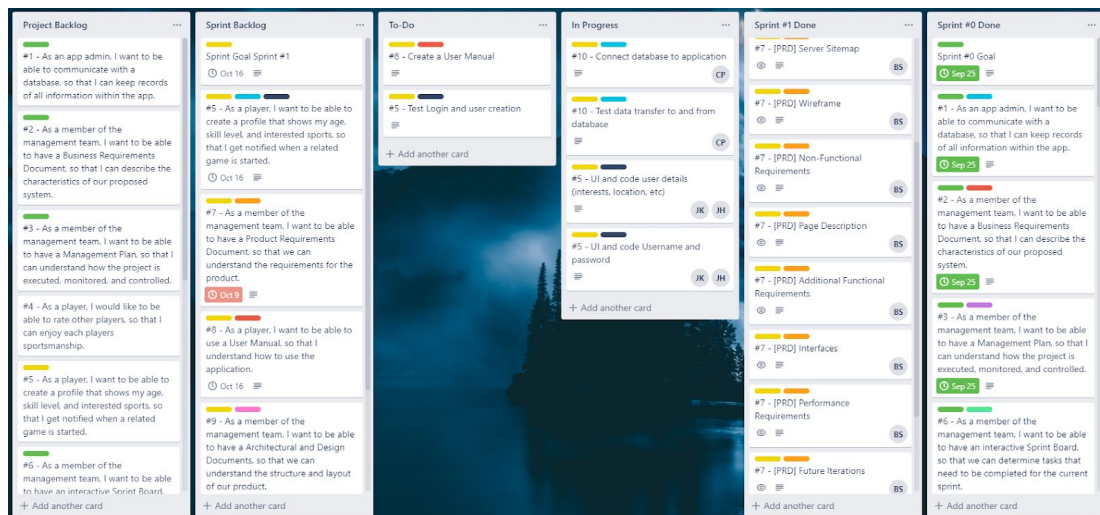




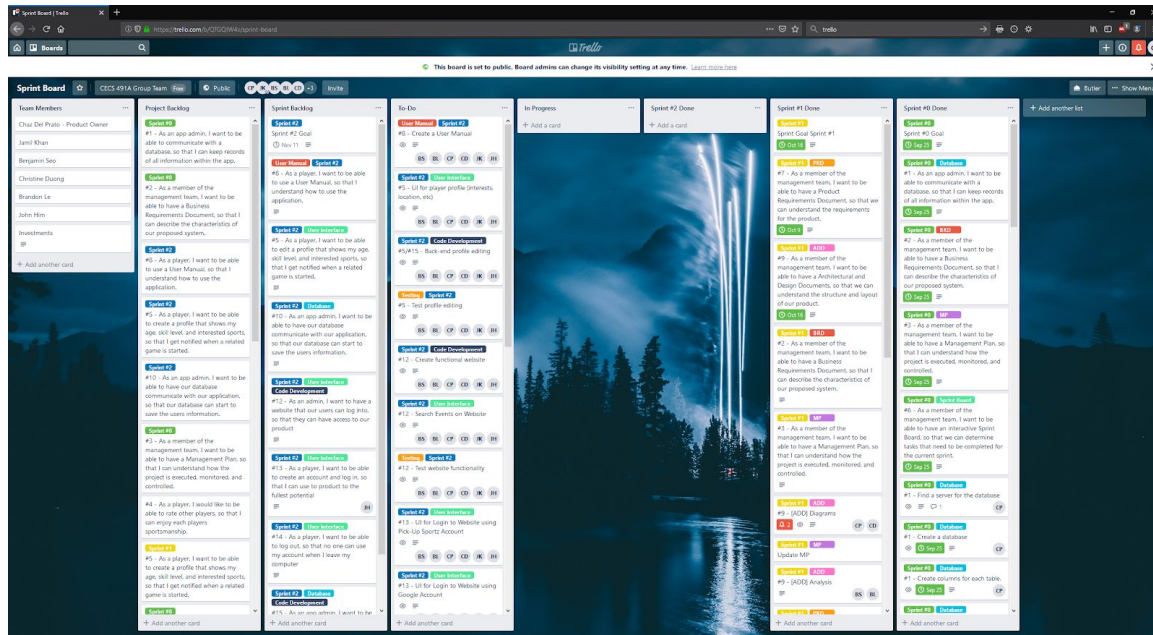
## Sprint #1 Begin:



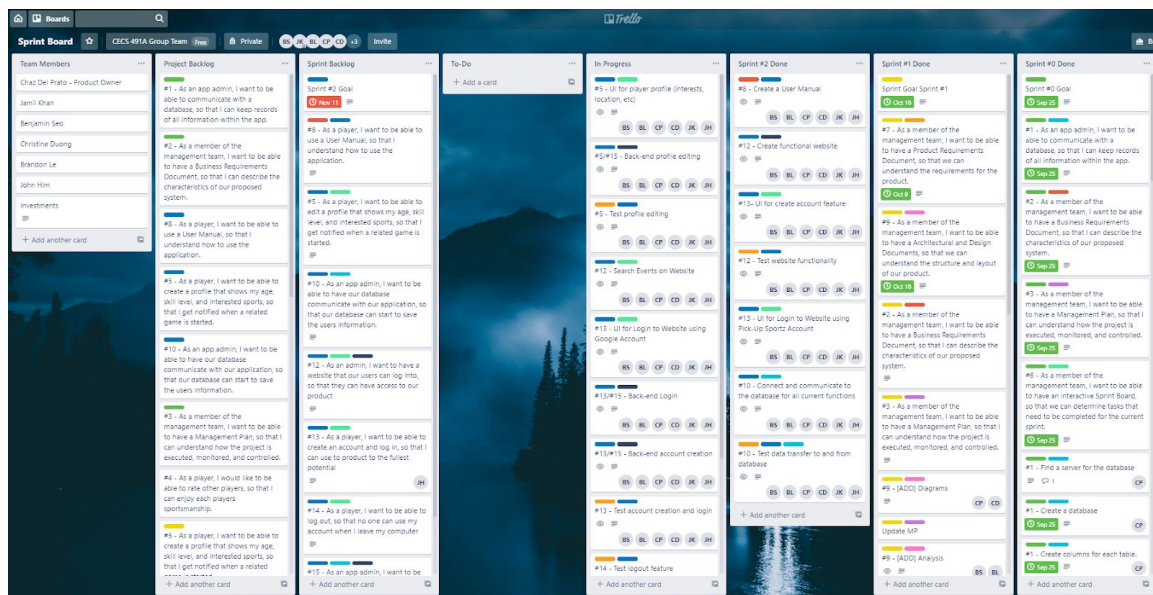
## Sprint #1 End:



## Sprint #2 Begin:

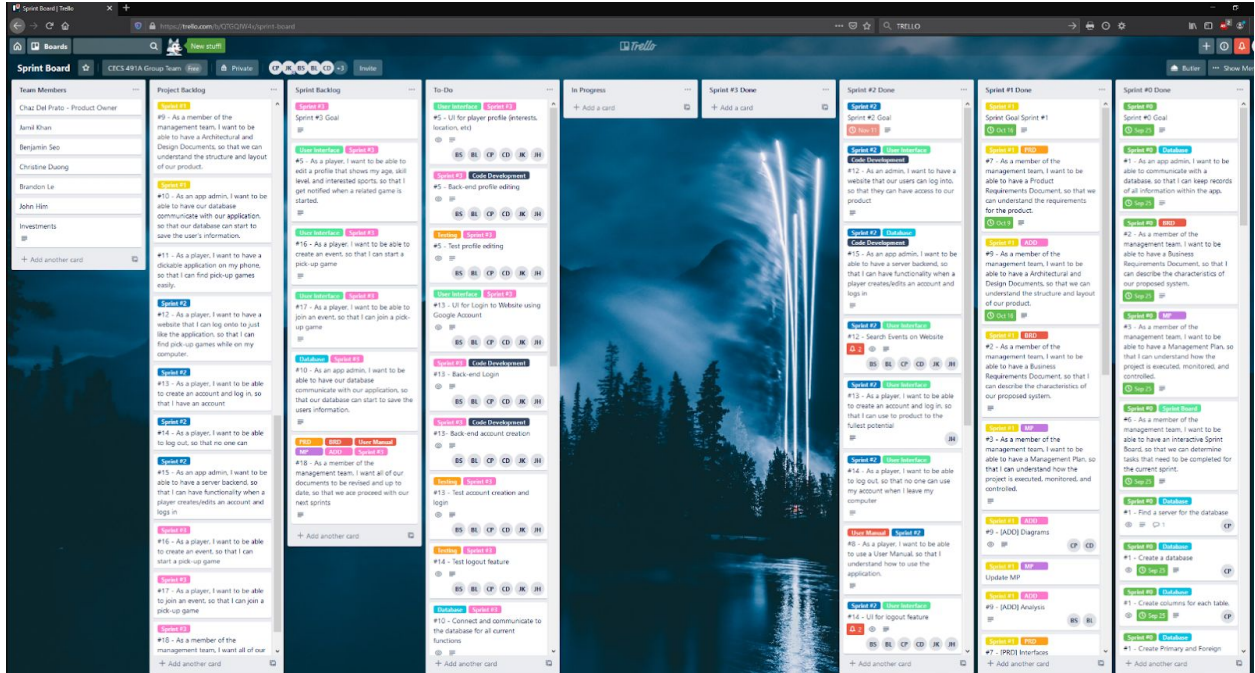


## Sprint #2 End:

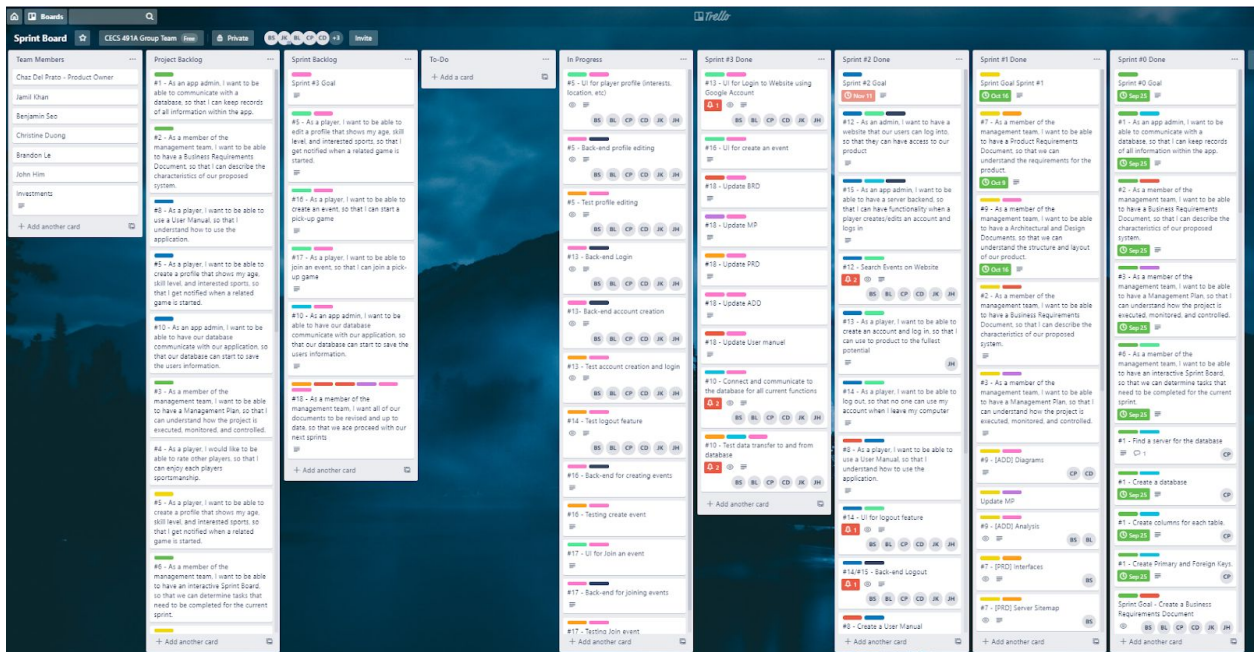




## Sprint #3 Begin:

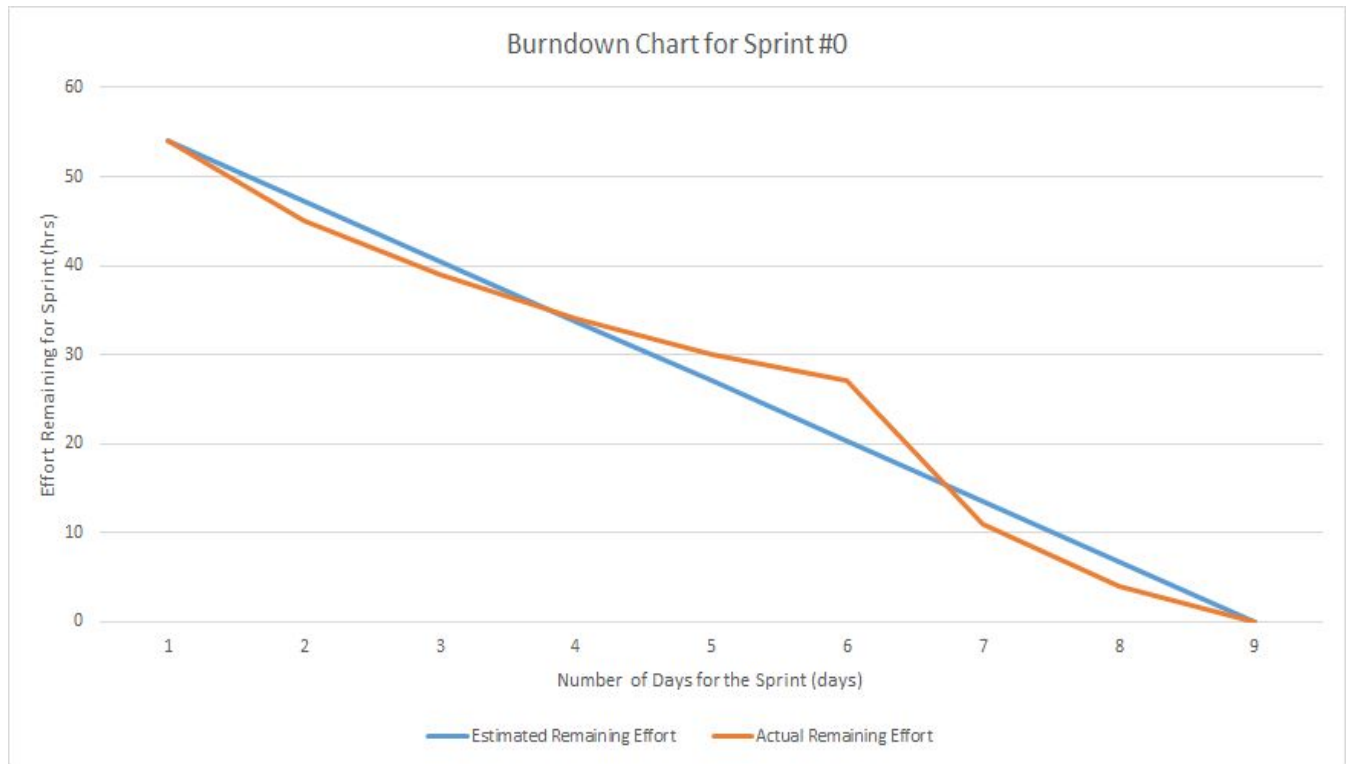


Sprint #3 End

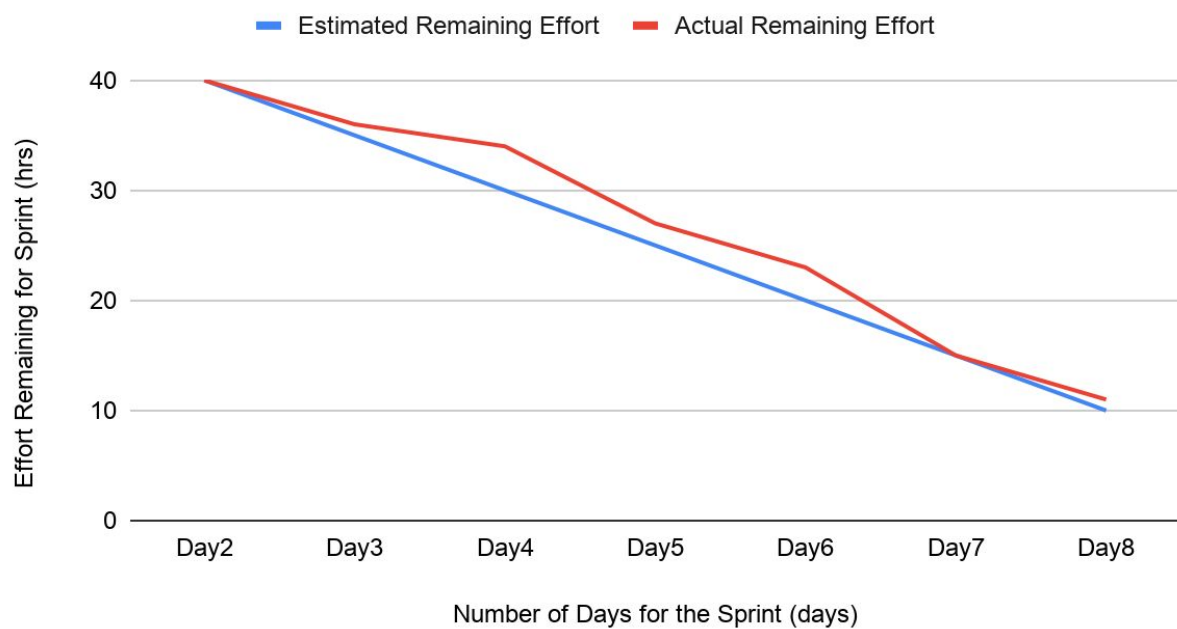




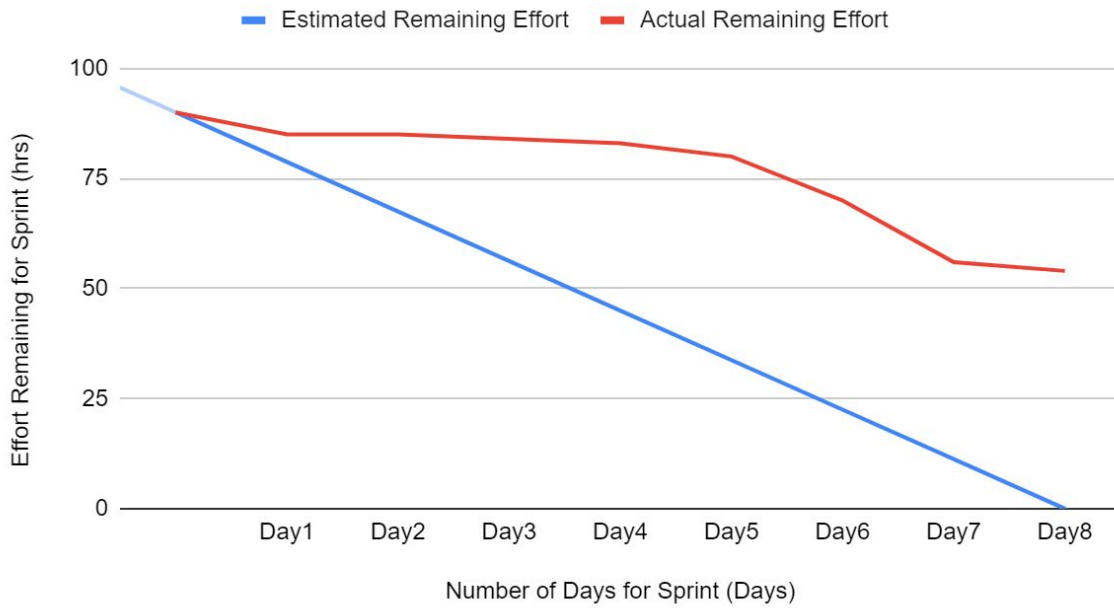
# Burndown Chart



## Burndown Chart for Sprint #1

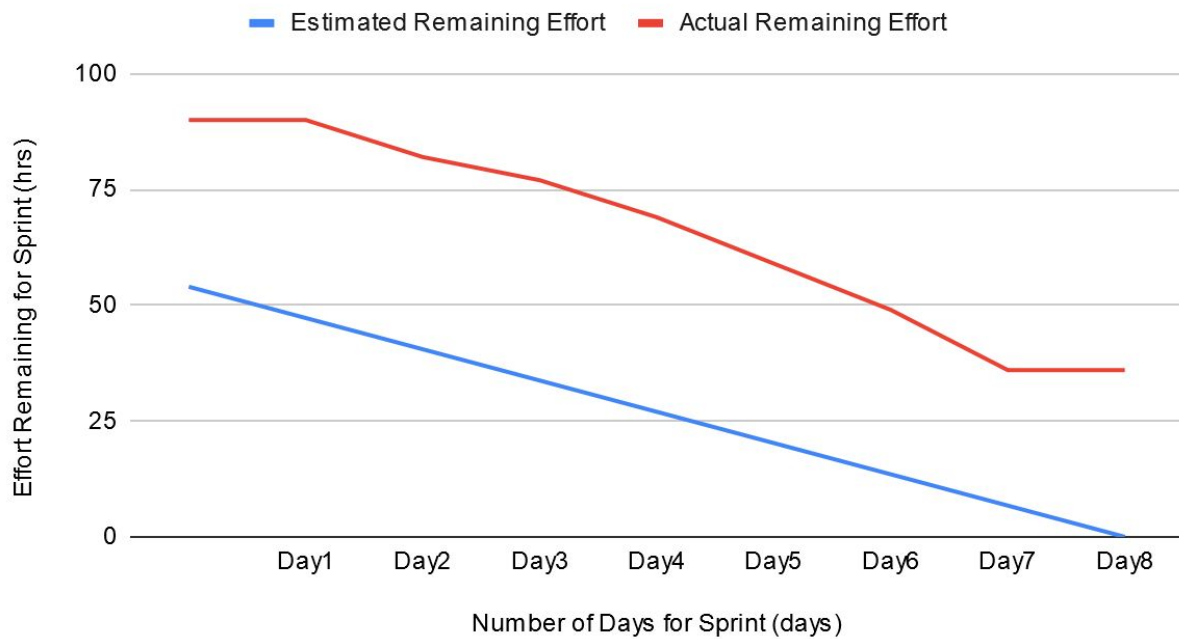


## Burndown Chart for Sprint #2



## Burndown chart for Sprint #3

### Burndown Chart for Sprint #3



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

Our goal is to

- Update all of our documents,
- Make a create and join functionality so that the users can join the games.
- Connecting the database to the functionality of the website.

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 hours per week \* 3 weeks \* 6 members

Current hours worked: 54 hours (Story Points)

Our burndown chart for sprint #3 is not looking good. We had problems with determining the backend of our project. We first started with the idea of using Java as our backend but we have scrapped that idea and started with using Express.js to handle back-end operations.

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 it's 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.