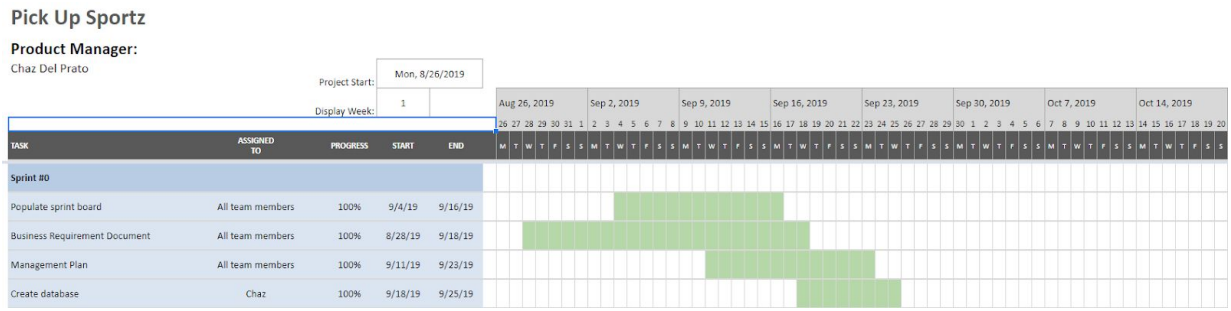
Pick-Up Sportz
Management Plan

By
Chaz Del Prato
Christine Duong
John Him
Jamil Khan
Brandon Le
Benjamin Seo

Gantt Chart

Sprint #0



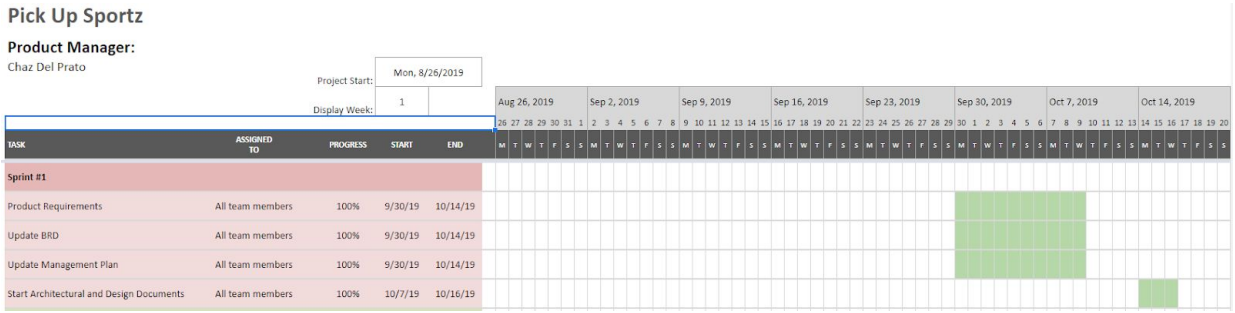
Pick Up Sportz

Product Manager:
Chaz Del Prato

Project Start: Mon, 8/26/2019
Display Week: 1

TASK	ASSIGNED TO	PROGRESS	START	END
Sprint #0				
Populate sprint board	All team members	100%	9/4/19	9/16/19
Business Requirement Document	All team members	100%	8/28/19	9/18/19
Management Plan	All team members	100%	9/11/19	9/23/19
Create database	Chaz	100%	9/18/19	9/25/19

Sprint #1



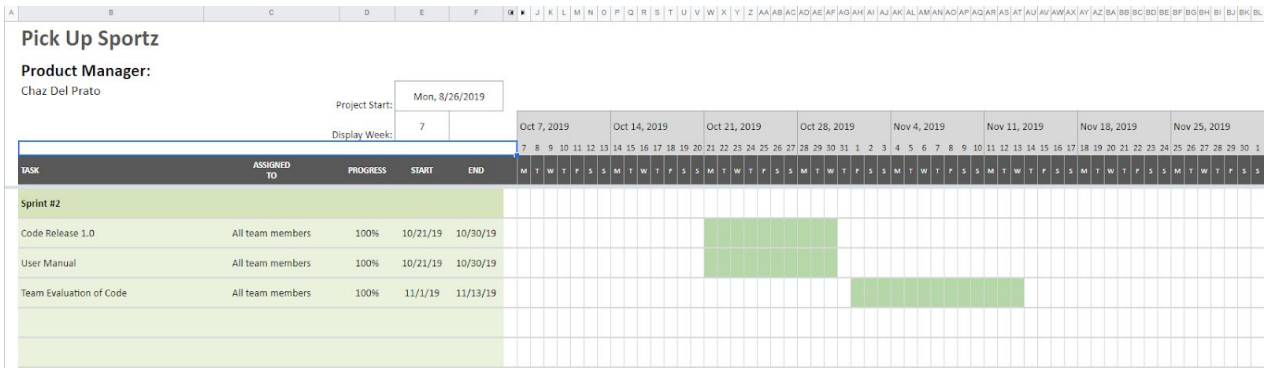
Pick Up Sportz

Product Manager:
Chaz Del Prato

Project Start: Mon, 8/26/2019
Display Week: 1

TASK	ASSIGNED TO	PROGRESS	START	END
Sprint #1				
Product Requirements	All team members	100%	9/30/19	10/14/19
Update BRD	All team members	100%	9/30/19	10/14/19
Update Management Plan	All team members	100%	9/30/19	10/14/19
Start Architectural and Design Documents	All team members	100%	10/7/19	10/16/19

Sprint #2



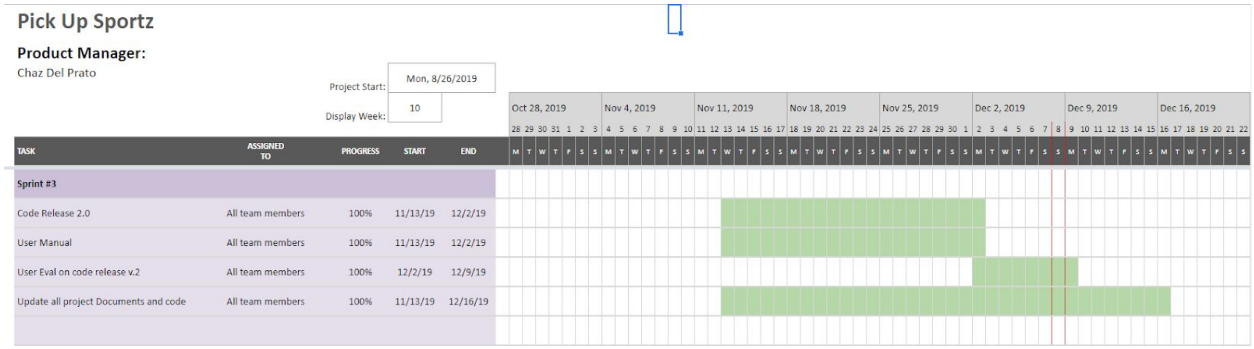
Pick Up Sportz

Product Manager:
Chaz Del Prato

Project Start: Mon, 8/26/2019
Display Week: 7

TASK	ASSIGNED TO	PROGRESS	START	END
Sprint #2				
Code Release 1.0	All team members	100%	10/21/19	10/30/19
User Manual	All team members	100%	10/21/19	10/30/19
Team Evaluation of Code	All team members	100%	11/1/19	11/13/19

Sprint #3



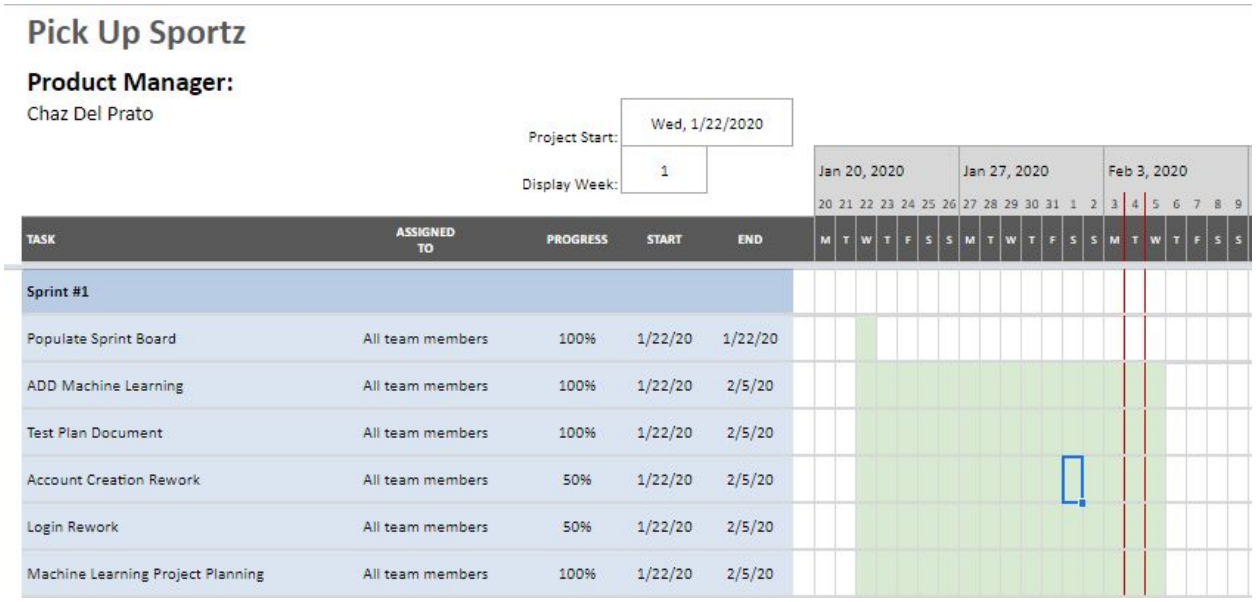
Pick Up Sportz

Product Manager:
Chaz Del Prato

Project Start: Mon, 8/26/2019
Display Week: 10

TASK	ASSIGNED TO	PROGRESS	START	END
Sprint #3				
Code Release 2.0	All team members	100%	11/13/19	12/2/19
User Manual	All team members	100%	11/13/19	12/2/19
User Eval on code release v.2	All team members	100%	12/2/19	12/9/19
Update all project Documents and code	All team members	100%	11/13/19	12/16/19

Sprint #4



Pick Up Sportz

Product Manager:
Chaz Del Prato

Project Start: Wed, 1/22/2020
Display Week: 1

TASK	ASSIGNED TO	PROGRESS	START	END
Sprint #1				
Populate Sprint Board	All team members	100%	1/22/20	1/22/20
ADD Machine Learning	All team members	100%	1/22/20	2/5/20
Test Plan Document	All team members	100%	1/22/20	2/5/20
Account Creation Rework	All team members	50%	1/22/20	2/5/20
Login Rework	All team members	50%	1/22/20	2/5/20
Machine Learning Project Planning	All team members	100%	1/22/20	2/5/20

Project Tracking Matrix Spreadsheet

Sprint #0-3

Project	Pick Up Sportz	**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			Medum	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			Medum	Brandon Le	28 Aug 19	18 Sep 19	2	26 Aug 19	18 Sep 19	100%	1
Mini Business Plan - SWOT Analysis	BRD	Completed			Medum	John Him	28 Aug 19	18 Sep 19	1	26 Aug 19	18 Sep 19	100%	1
Mini Business Plan - Market Segment	BRD	Completed			Medum	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 - Comercialization Strategy	BRD	Completed			Medum	John Him	28 Aug 19	18 Sep 19	2	26 Aug 19	18 Sep 19	100%	2
Mini Business Plan - Monetization Strategy	BRD	Completed			Medum	John Him	28 Aug 19	18 Sep 19	2	26 Aug 19	18 Sep 19	100%	2
Total Solution	BRD	Completed			Medum	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	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 Devlopment	MP	Completed			High	John Him	11 Sep 19	23 Sep 19	1	21 Sep 19	23 Sep 19	100%	1
Fix Preface - Technology Innovation or Depth	BRD	Completed			Medum	Benjamin Seo	22 Sep 19	29 Sep 19	0.5	22 Sep 19	29 Sep 19	100%	0.5
Fix Strategy - Unfair Advantage, Customer Segment, Channels	BRD	Completed			Medum	Brandon Le	22 Sep 19	29 Sep 19	1	22 Sep 19	29 Sep 19	100%	1
Fix Competitors	BRD	Completed			Medum	Benjamin Seo	22 Sep 19	29 Sep 19	0.5	22 Sep 19	29 Sep 19	100%	0.5
Fix Personas	BRD	Completed			Medum	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
Fix Gant Chart	MP	Completed			Medum	Brendon 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 Rerations	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	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 #2	Completed			Low	Everyone	21-Oct-19	30-Oct-19	5	21-Oct-19	30-Oct-19	100%	5
UI for player Profile	Sprint #3	In-Progress	300		High	Benjamin	21-Oct-19	4-Dec-19	8	21-Oct-19		30%	
Back-End Profile Editing	Sprint #3	In-Progress	200		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	2173	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 Sportz Account	Sprint #3	Completed	300	246	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	15	High	Christine, Benjamin	21-Oct-19	4-Dec-19	3	21-Oct-19	4-Dec-19	100%	3
Back-End Login	Sprint #3	In-Progress	30		High	Chaz	21-Oct-19	4-Dec-19	2	21-Oct-19		60%	
UI for Create Account Features	Sprint #3	Completed	200	328	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	50%	
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	9	High	Chaz	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	2
Create Create Event Page	Sprint #3	Completed	300	328	High	Jamil, Chaz	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	5
Connect our Frontend with Firestore	Sprint #3	Completed	50	13	High	Chaz	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	2
Create Home Page	Sprint #3	Completed	10	9	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	6	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	193	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	76	High	Ben	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	3
Create a Jumbotron Layout for pages	Sprint #3	Completed	50	37	High	Brandon	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	2
Create a Logged in Nav Bar	Sprint #3	Completed	50	37	High	Jamil	21-Oct-19	4-Dec-19	5	21-Oct-19	4-Dec-19	100%	2
Create a Nav Bar for non user	Sprint #3	Completed	50	34	High	Ben	21-Oct-19	4-Dec-19	5	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	321	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 %

Sprint #4

Project	Pick-Up Sportz					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.**
Team Sprint #4 Planning Meeting	Sprint #4	Complete			High	Everyone	22-Jan-20	22-Jan-20	2	22-Jan-20	22-Jan-20	100%	2
Update ADD	Sprint #4	Complete			Medium	Everyone	22-Jan-20	5-Feb-20	8	22-Jan-20	5-Feb-20	100%	8
Create Test Plan	Sprint #4	Complete			Medium	Everyone	22-Jan-20	5-Feb-20	18	22-Jan-20	5-Feb-20	100%	18
Create Machine Learning Model	Sprint #4	Complete			High	Christine	22-Jan-20	5-Feb-20	21	22-Jan-20	5-Feb-20	100%	21
Database/Back-End Account Creation	Sprint #4	Complete	30	10	Low	Chaz, Jamil	22-Jan-20	5-Feb-20	5	22-Jan-20	5-Feb-20	100%	5
Test Account Creation and Login	Sprint #4	Complete			Low	Everyone	22-Jan-20	5-Feb-20	2	22-Jan-20	5-Feb-20	100%	2
Database/Back-end Profile	Sprint #4	Incomplete	150		Low	Chaz, Jamil	22-Jan-20	5-Feb-20	6	22-Jan-20	5-Feb-20	0%	
UI for Login to Website using Google Account	Sprint #4	Complete	75		Low	Chaz	22-Jan-20	5-Feb-20	5	22-Jan-20	5-Feb-20	100%	5
Test Profile Editing	Sprint #4	Incomplete			Low	Everyone	22-Jan-20	5-Feb-20	2	22-Jan-20	5-Feb-20	0%	
UI for Player Profile	Sprint #4	Complete	75		Low	Jamil	22-Jan-20	5-Feb-20	8	22-Jan-20	5-Feb-20	100%	8
Total Hours Spent	69		**Project Progress**		80.00 %								

Code Development Velocity Calculation

Sprint #0: No code development has started.

Sprint #1: No code development has 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 #4: Code Development velocity calculation

- 1 hour per Week x 2 weeks x 6 members = 12 hours

Front End

- Language = React.js
- Lines of Code = ~50 lines

Back-end

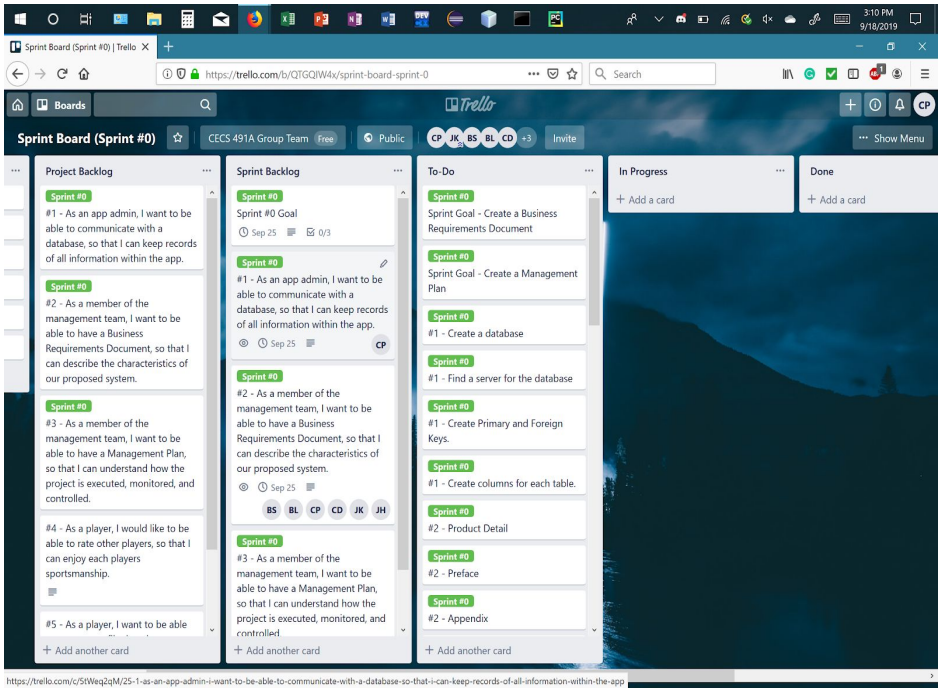
- Language = Express.js
- Lines of Code = ~20 lines

Database

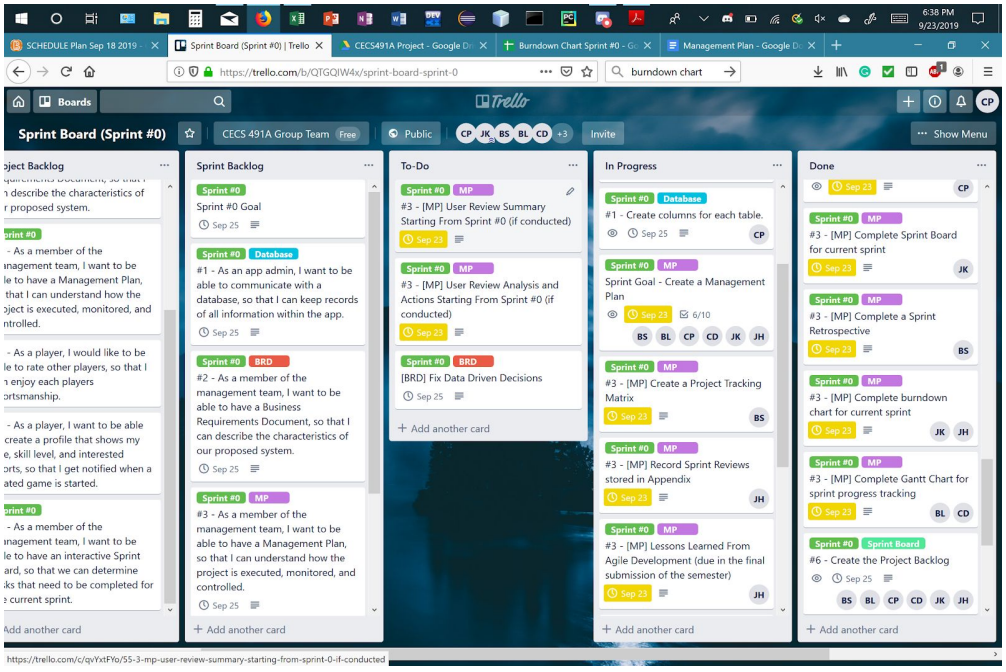
- Language = Cloud Firestore

Sprint Board

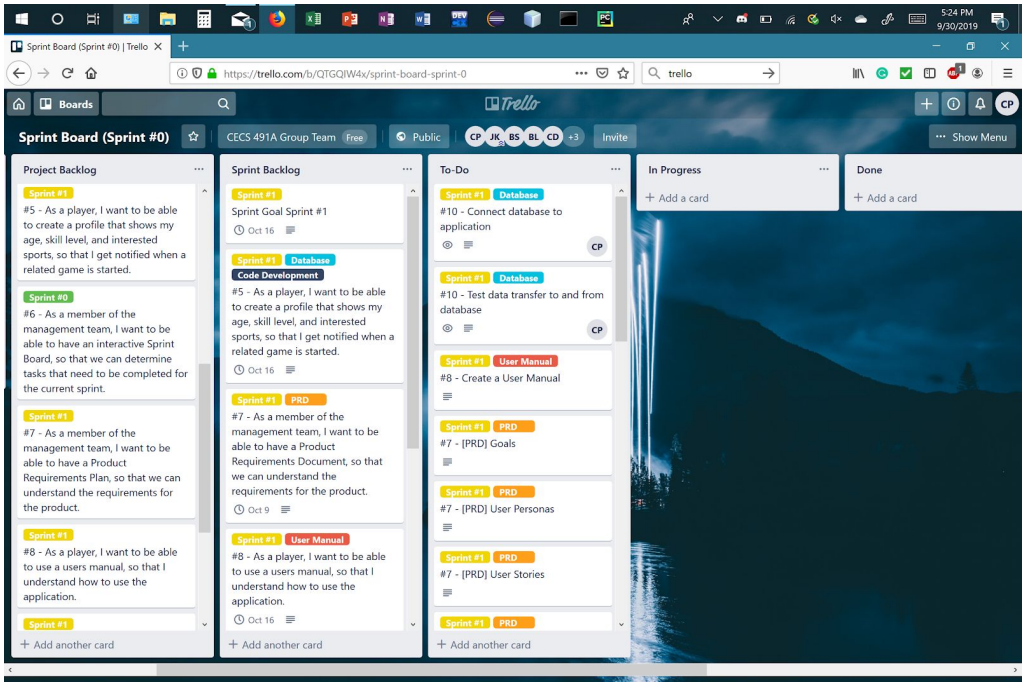
Sprint #0 Start:



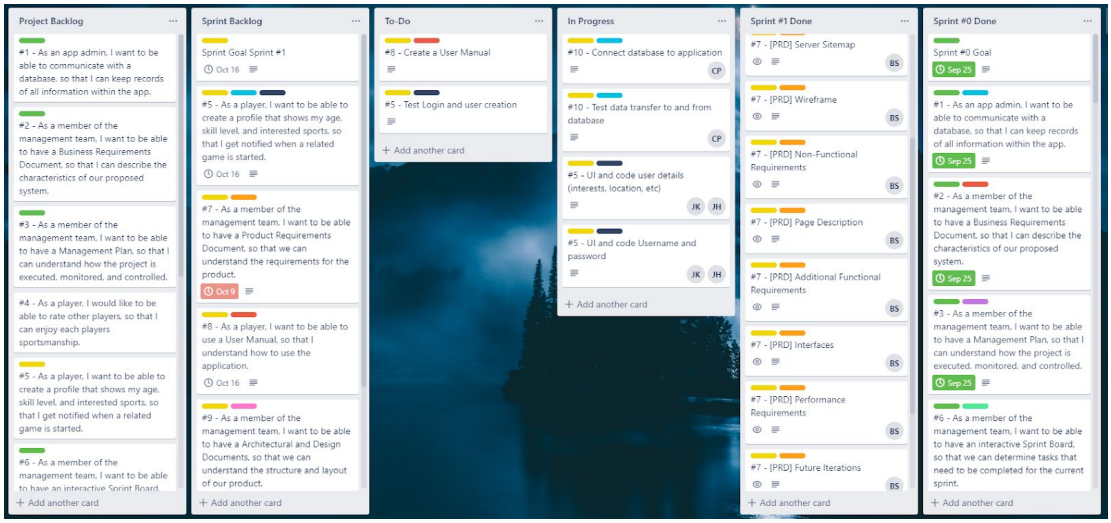
Sprint #0 End:



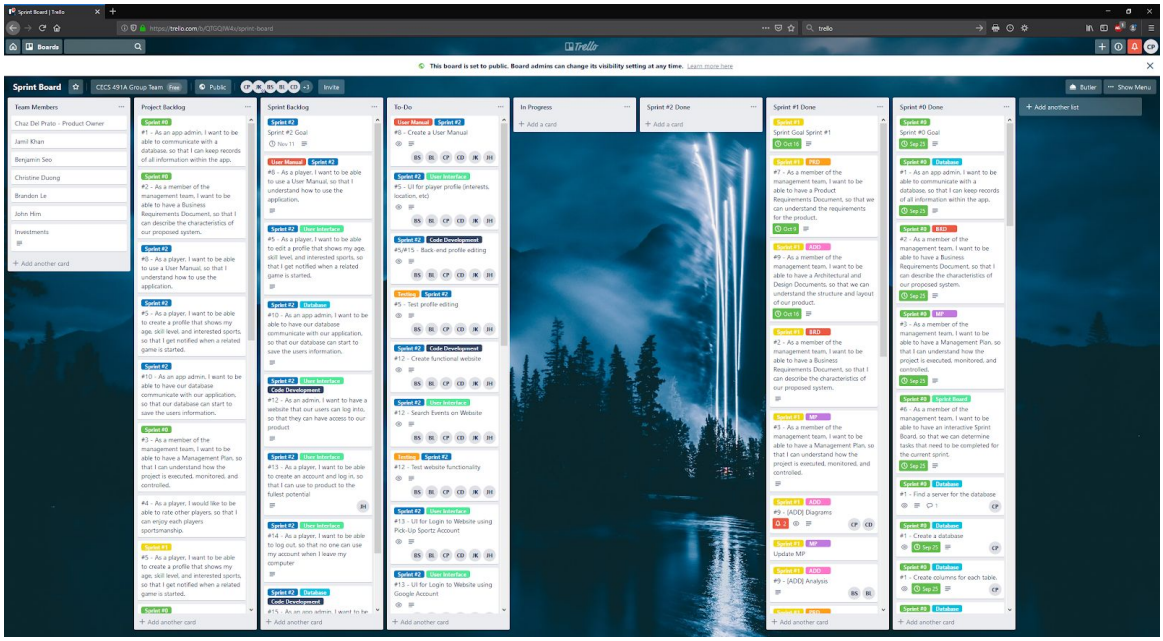
Sprint #1 Begin:



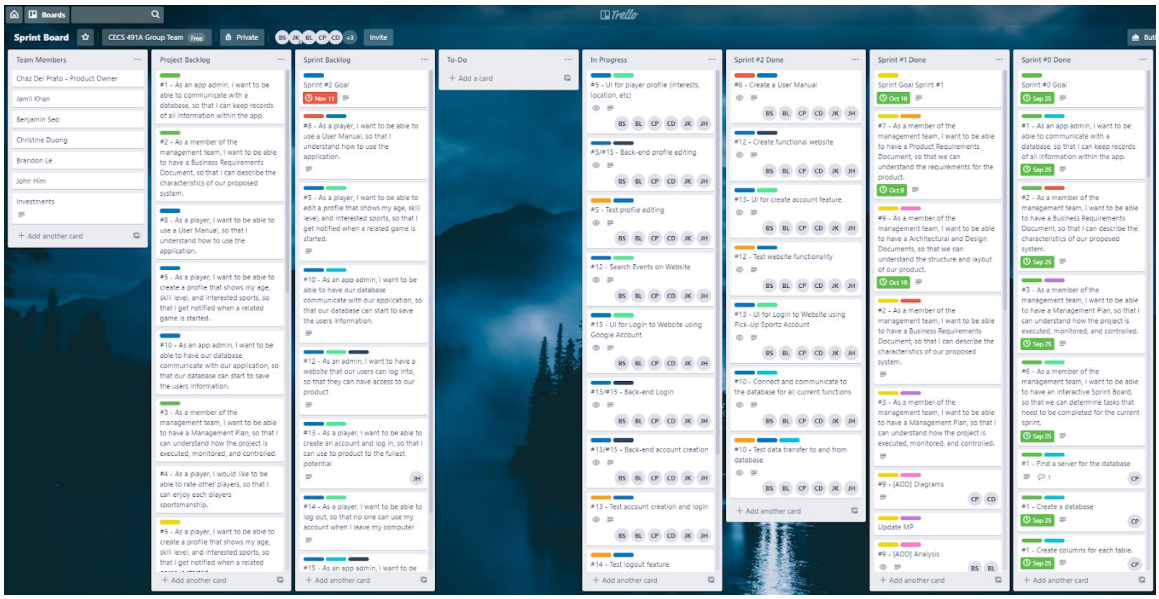
Sprint #1 End:



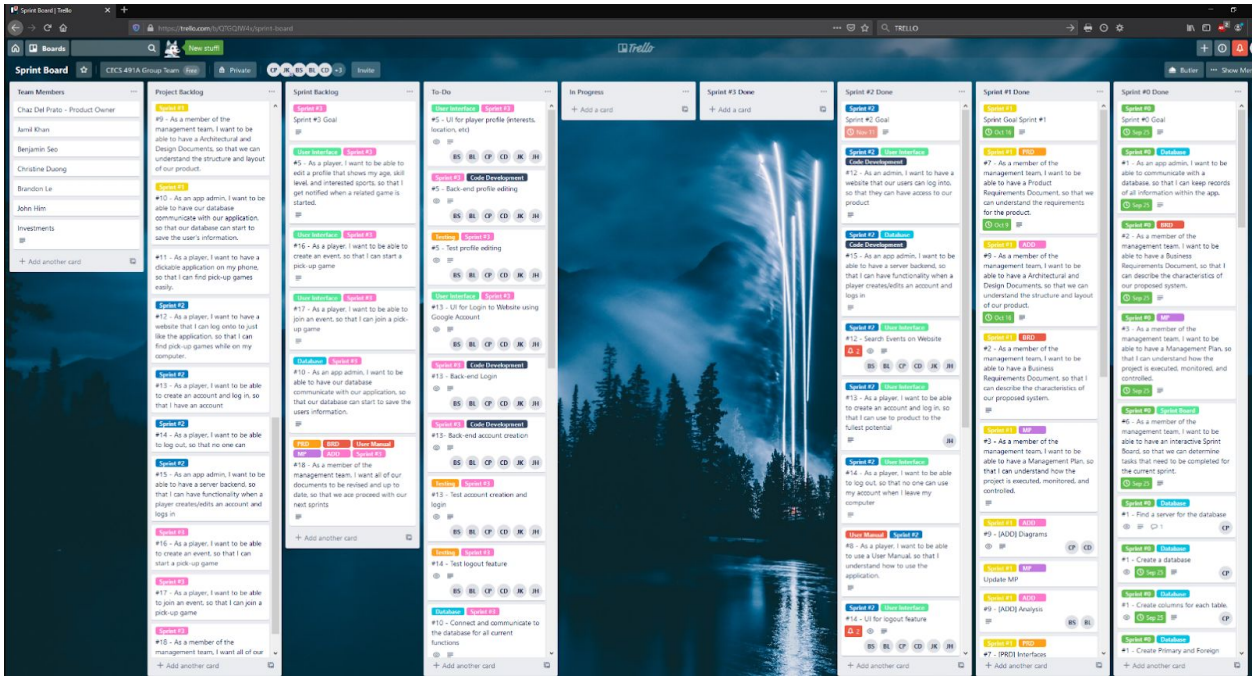
Sprint #2 Begin:



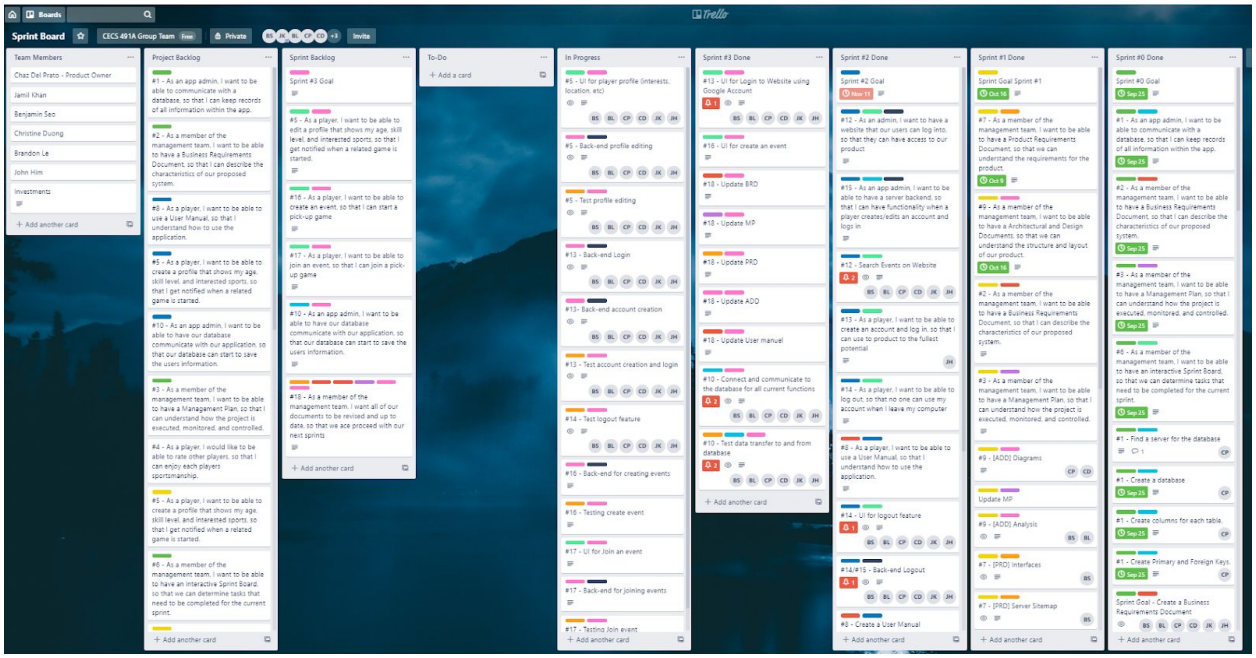
Sprint #2 End:



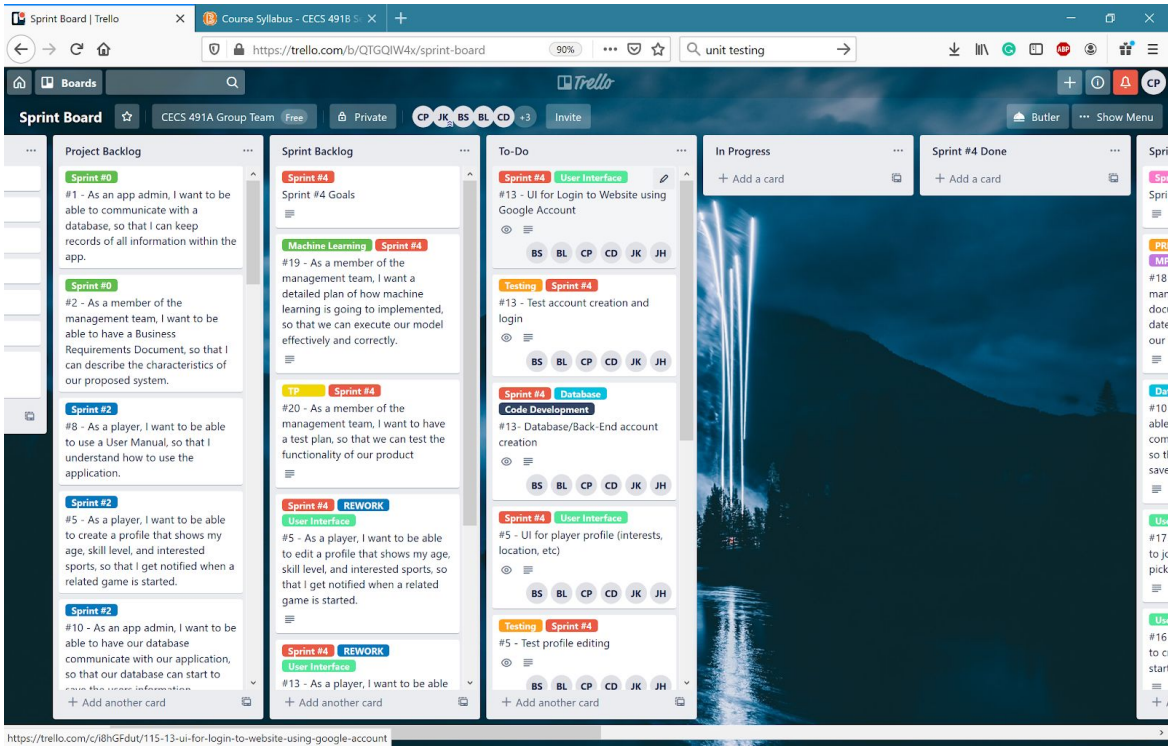
Sprint #3 Begin:



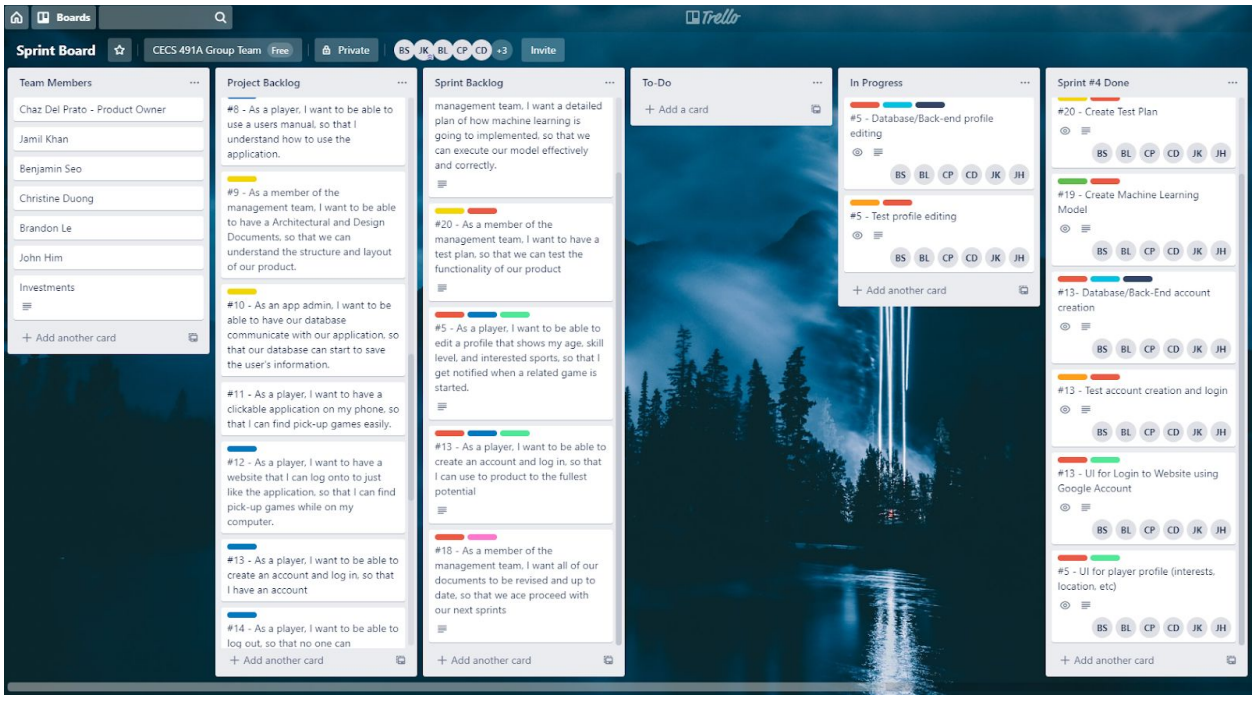
Sprint #3 End



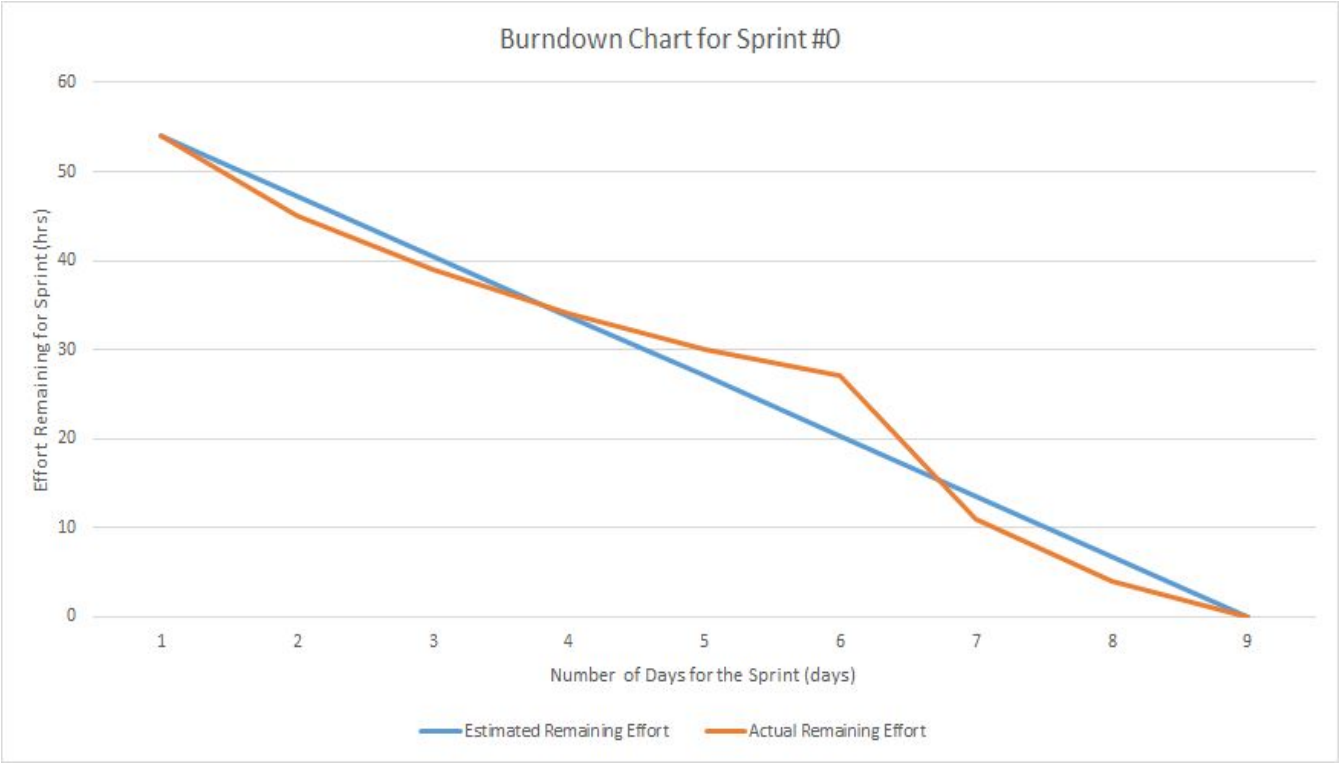
Sprint #4 Begin

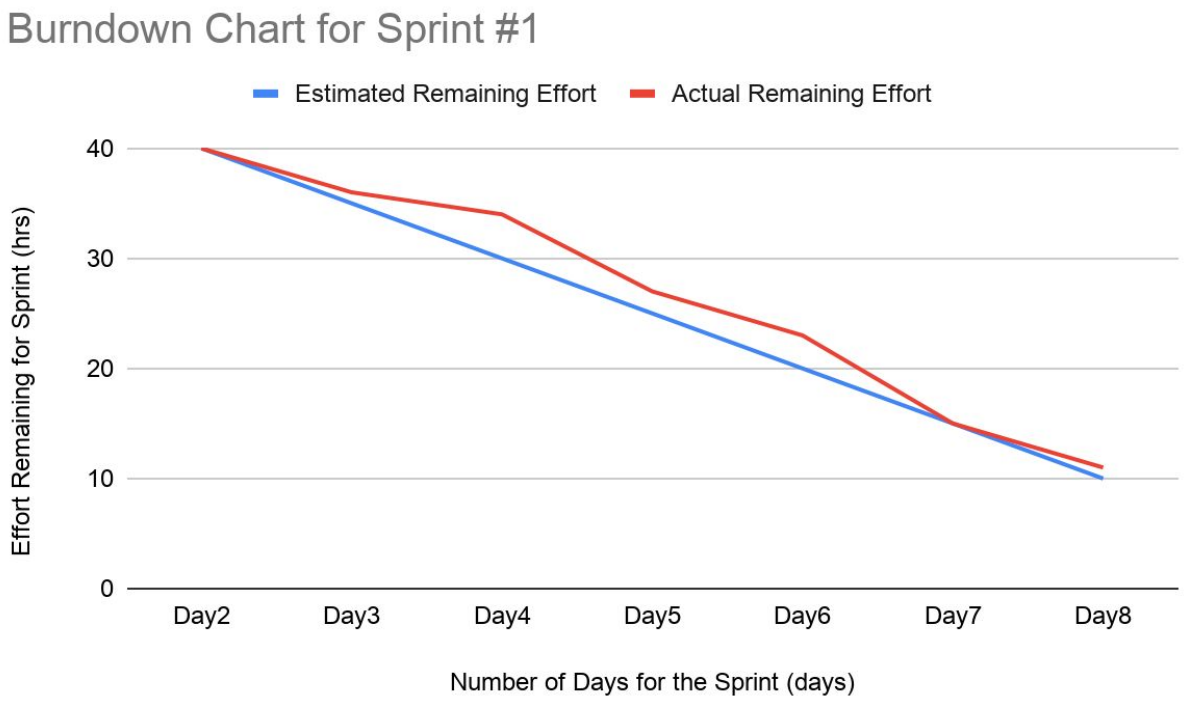


Sprint #4 End

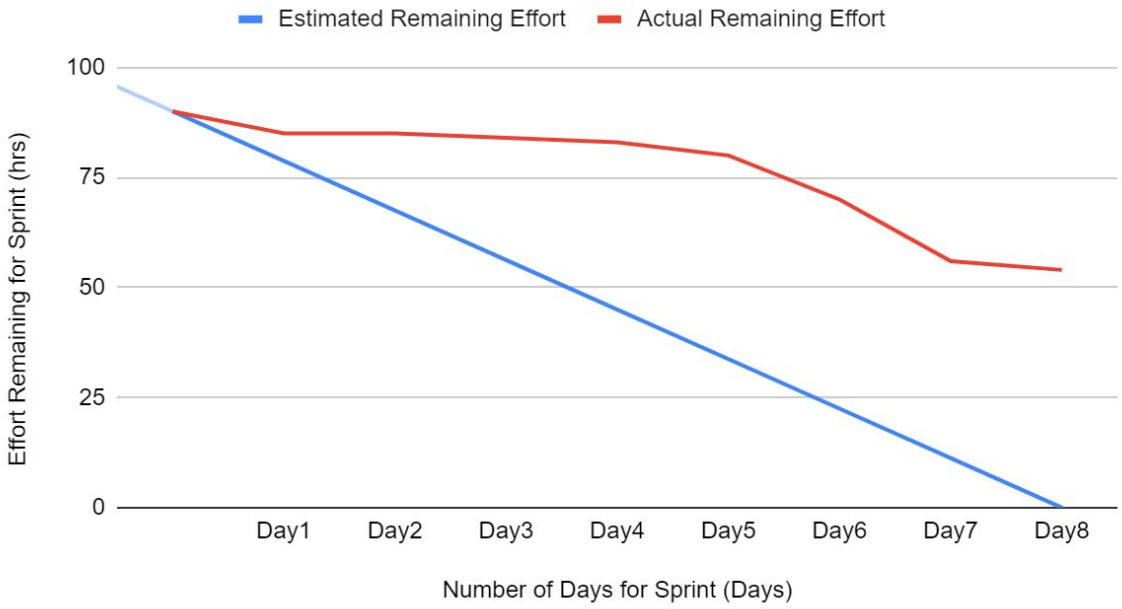


Burndown Chart

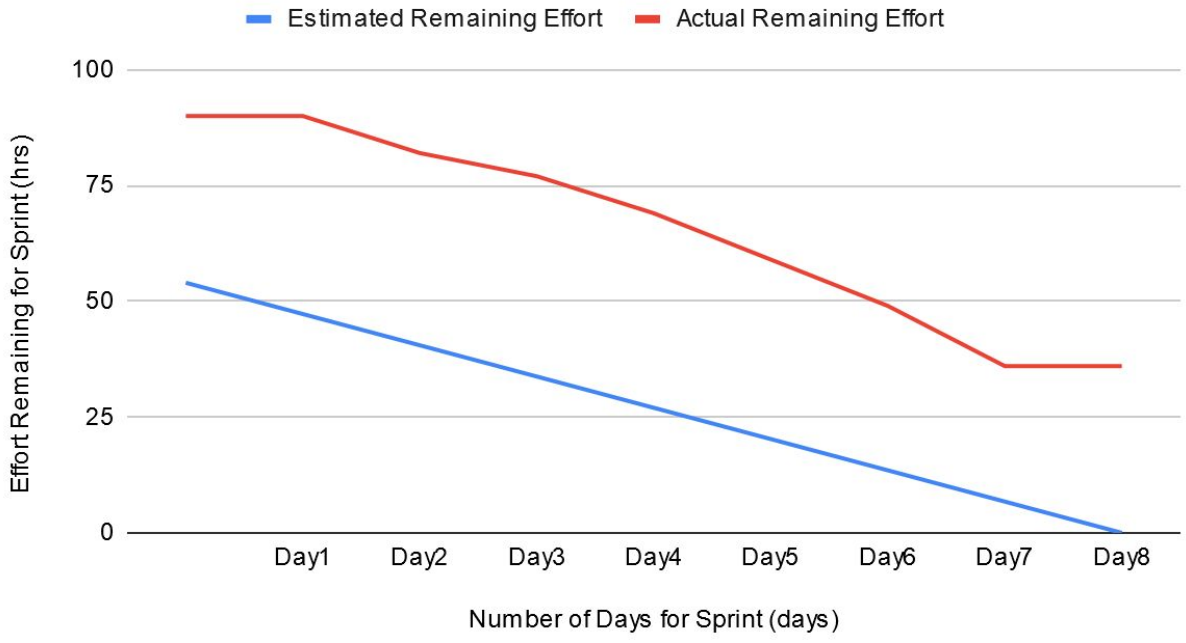


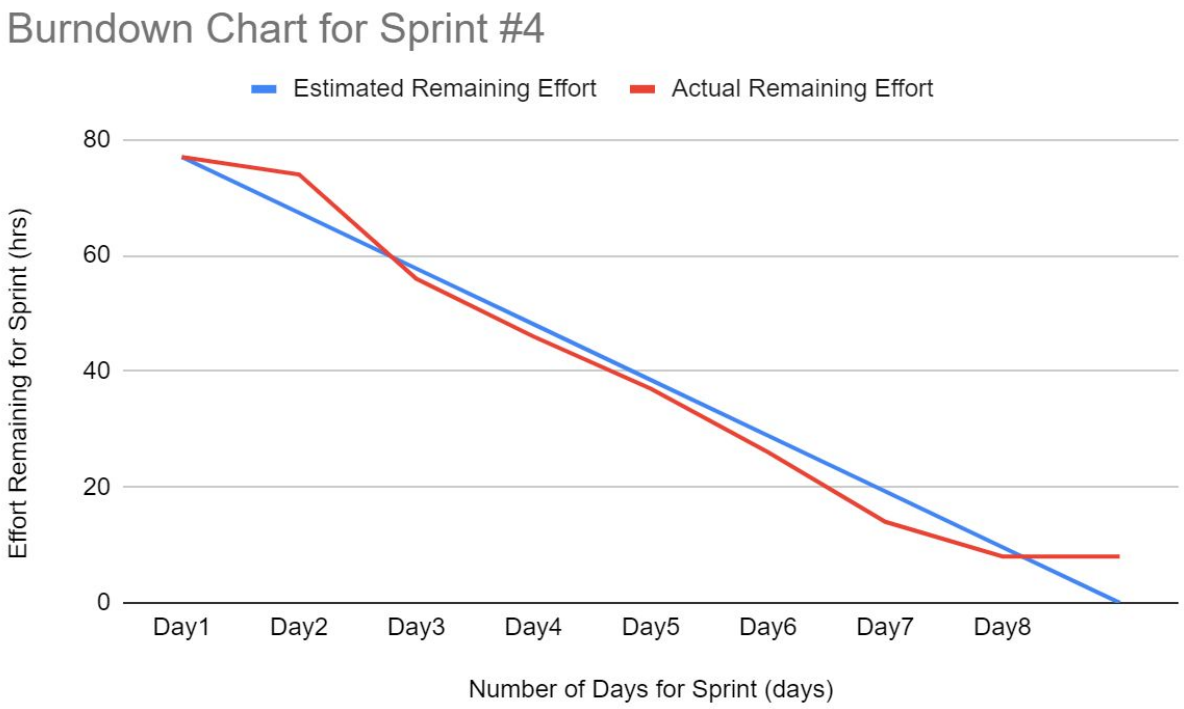


Burndown Chart for Sprint #2



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 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 were 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 #4

Our goal was to:

- Database/Back-End Profile Editing
- Test Account Creation and Login
- Database/Back-End Account Creation
- UI for Login to Website using Google Account
- UI for Player Profile
- Test Profile Editing
- Create Test Plan
- Update Architecture and Design Document with Required Sections for Machine Learning
- Machine Learning Planning

Our team's total velocity is :

- 6.5 hours x 2 weeks x 6 members = 78 hours.

We were not able to meet our sprint goal.

- Underestimated on how much we could do when planning.
- What we did not finished:
    - Finish the Database/Back-end for profile editing
    - Test profile editing

Current hours worked:

- 69 hours

Burndown Chart Analysis:

- Our burndown chart for sprint #4 is not bad, but shows that we have not finished on what we planned on. We mostly had problems with answering some of the questions for the required sections in the Architecture and Design Document. Thus, we had to revise our model.

Team velocity for next sprint:

- Extend our team velocity to 90 hours.
- Plan efficiently
- Try to work 5 hours x 3 weeks x 6 members

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.