

InstaAudit

Management Plan



California State University | Long Beach

Members:

Kevin Reed

Dustin Martin

Greyson Cabrera

Daniel Nguyen

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Gantt Chart

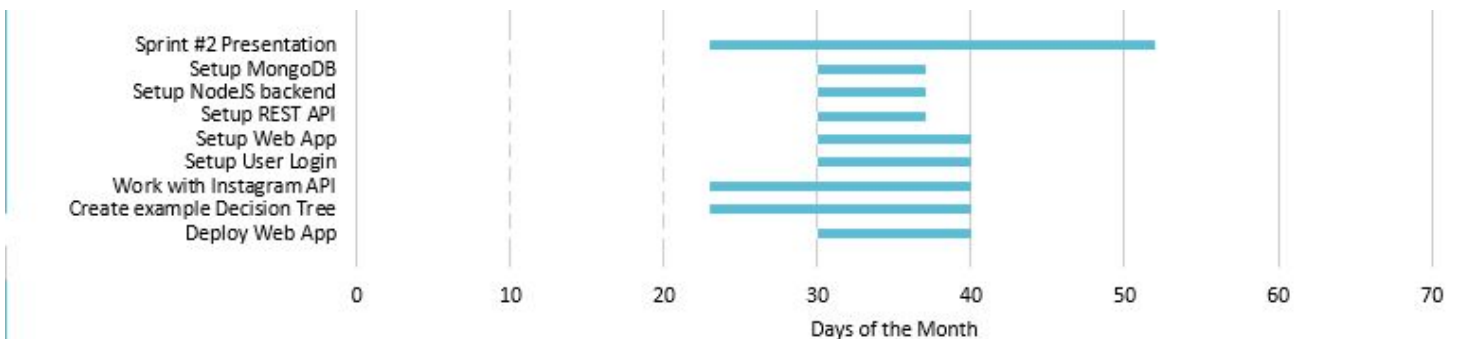
Sprint #0



Sprint #1



Sprint #2



Tracking Matrix

Sprint #0

TASK NAME	START DATE	DAY OF MONTH*	END DATE	DURATION* (WORK DAYS)	DAYS COMPLETE*	DAYS REMAINING*	TEAM MEMBER	PERCENT COMPLETE
Sprint #0								
Sprint Planning	2/2	2	2/5	4	4	0	Everyone	100%
Sprint Board	2/2	2	2/3	2	2	0	Everyone	100%
Team Presentation	2/2	2	2/5	4	4	0	Everyone	100%
Business Requirements Document	2/8	8	2/12	5	5	0	Everyone	100%
Product Requirements Document	2/12	12	2/19	8	4	4	Everyone	50%
Architecture and Design Document	2/12	12	2/19	8	1.6	6.4	Everyone	20%
Management Plan	2/13	13	2/17	5	5	0	Everyone	100%
Sprint #0 Presentation	2/8	8	2/19	12	3.6	8.4	Everyone	30%
Database/Server Connection	2/8	8	2/19	12	2.4	9.6	Dustin	20%
User Login	2/8	8	2/19	12	2.4	9.6	Dustin	20%
Interacting w/ Instagram API	2/8	8	2/19	12	2.4	9.6	Kevin	20%

Sprint #1

Sprint #1								
Sprint #1 Presentation	2/24	35	3/23	29	29	0	Everyone	100%
Product Requirements Document	2/24	14	3/9	15	15	0	Everyone	100%
Architecture and Design Document	2/24	35	3/23	29	29	0	Everyone	100%
Fullstack Research	3/9	14	3/23	15	15	0	Greyson	100%
MongoDB Research	3/9	14	3/23	15	15	0	Greyson	100%
Finding our Dataset	3/9	14	3/23	15	15	0	Kevin	100%
Setting up Instagram Scraper	3/9	14	3/23	15	15	0	Kevin	100%
Researching ML Model	3/9	14	3/23	15	15	0	Dustin	100%

Sprint #2

TASK NAME	START DATE	DAY OF MONTH*	END DATE	DURATION* (WORK DAYS)	DAYS COMPLETE*	DAYS REMAINING*	TEAM MEMBER	PERCENT COMPLETE
Sprint #2								
Sprint #2 Presentation	3/23	23	4/20	29	29	0	Everyone	100%
Setup MongoDB	3/30	30	4/5	7	7	0	Greyson	100%
Setup NodeJS backend	3/30	30	4/5	7	7	0	Greyson	100%
Setup REST API	3/30	30	4/5	7	7	0	Greyson	100%
Setup Web App	3/30	30	4/8	10	10	0	Greyson	100%
Setup User Login	3/30	30	4/8	10	10	0	Greyson	100%
Work with Instagram API	3/23	23	4/8	17	17	0	Kevin	100%
Create example Decision Tree	3/23	23	4/8	17	17	0	Dustin	100%
Deploy Web App	3/30	30	4/8	10	10	0	Greyson	100%

Sprint Board

Beginning of Sprint #0

InstaAudit ☆ Personal Private D DN GC KR Invite Calendar Butler Show Menu

User stories ...

- As a user, I'd like to see how well my post would do before I post it, so I can gauge what kind of content my users want to see [10]
- As a user, I would like to obtain more market research, so I can expand my database of posts [8]
- As a user, I would like it to be easy to upload to Instagram, so my workflow can be optimal [7]
- As a user, I would like to compare engagement from another company with my company [6]
- As a user, I would like to reach as large of an audience as possible, so I can expand my brand [6]
- As a user, I would like to see my posts' actual and predicted scores, so I can see if the post is up to expectations [3]
- + Add another card

Backlog ...

- As a user, I'd like to be able to access this service from anywhere online, so I can work on the go [7] (involves setting up a server)
- + Add another card

To-Do ...

- Business Requirements Document
- Architecture and Design Document ⌚ Mar 9
- Implement Database
- Research server platforms/databases
- Instagram API test script
- Management Plan
- Product Requirements Document ⌚ Mar 9
- + Add another card

In-Progress ...

- + Add a card

Done ...

- + Add a card

Sprint Objective ...

- Design and implement database and server platforms
- Work on necessary Documentation
- Get a working test script to pull data from Instagram
- + Add another card

End of Sprint #0

InstaAudit ☆ Personal Private D DN GC KR Invite Calendar Butler Show Menu

User stories ...

- As a user, I'd like to see how well my post would do before I post it, so I can gauge what kind of content my users want to see [10]
- As a user, I would like to obtain more market research, so I can expand my database of posts [8]
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- + Add another card

Backlog ...

- As a user, I'd like to be able to access this service from anywhere online, so I can work on the go [7] (involves setting up a server)
- + Add another card

To-Do ...

- Architecture and Design Document ⌚ Mar 9
- Product Requirements Document ⌚ Mar 9
- + Add another card

In-Progress ...

- Implement Database
- + Add another card

Done ...

- Business Requirements Document ⌚ Feb 12
- Management Plan ⌚ Feb 17
- Research server platforms/databases
- Instagram API test script
- + Add another card

Sprint Objective ...

- Design and implement database and server platforms
- Work on necessary Documentation
- Get a working test script to pull data from Instagram
- + Add another card

Sprint #1

The screenshot shows a Trello board for a project named 'InstaAudit'. The board is organized into several columns: 'User stories', 'Backlog', 'In-Progress', 'Sprint #1', and 'Sprint #0'. The 'Sprint #1' column is the focus, showing a list of tasks that are 'Done' or have a due date of 'Mar 9'. The tasks include 'Setup Database (10)', 'Product Requirements Document (10)', 'Architecture and Design Document (25)', 'Test Script for Scraping Instagram (25)', and 'Finalize Research on Backend structure, make decision (20)'. The 'Backlog' column shows tasks like 'Implement WebServer (5)', 'Connect Webserver to Mongo', 'Authenticate Login, store in DB', 'Upload post to instagram via API', and 'Prototype CNN'. The 'User stories' column lists several user stories with their respective points. The 'Sprint #0' column shows completed tasks like 'Business Requirements Document (30)', 'Management Plan (30)', and 'Research server platforms/databases (30)'.

InstaAudit ☆ Personal Private GC DN KR Invite

User stories ...

- Story**
[STORY] As a user, I'd like to be able to access this service from anywhere online, so I can work on the go [7]
- Story**
[STORY] As a user, I'd like to see how well my post would do before I post it, so I can gauge what kind of content my users want to see [10]
- Story**
[STORY] As a user, I would like to obtain more market research, so I can expand my database of posts [8]
- Story**
[STORY] As a user, I would like it to be easy to upload to instagram, so my workflow can be optimal [7]
- Story**
[STORY] As a user, I would like to compare engagement from another company with my company [5]
- Story**
[STORY] As a user, I would like to reach as large of an audience as possible, so I can expand my brand [6]
- Story**
[STORY] As a user, I would like to see my posts' actual and predicted scores, so I can see if the post is up to expectations [3]
- + Add another card

Backlog ...

- In Progress**
Implement WebServer (5)
- Connect Webserver to Mongo
- Authenticate Login, store in DB
- Upload post to instagram via API
- Prototype CNN
- + Add another card

In-Progress ...

- + Add a card

Sprint #1 ...

- Done**
Setup Database (10)
- Done**
Product Requirements Document (10)
Mar 9
- Done**
Architecture and Design Document (25)
Mar 9
- Done**
Test Script for Scraping Instagram (25)
- Done**
Finalize Research on Backend structure, make decision (20)
- + Add another card

Sprint #0 ...

- Done**
Business Requirements Document (30)
- Done**
Management Plan (30)
- Done**
Research server platforms/databases (30)
- + Add another card

Sprint #2

The screenshot shows the same Trello board for 'InstaAudit', but with the 'Sprint #2' column added. The 'Sprint #2' column shows tasks that are 'Done' or have a due date of 'Mar 9'. The tasks include 'Implement WebServer (5)', 'Connect Webserver to Mongo', 'Authenticate Login, store in DB', 'Connect Rest API to Mongo', and 'Create a Decision Tree'. The 'Backlog' column now only shows 'Upload post to instagram via API' and 'Prototype CNN'. The 'User stories' column remains the same. The 'Sprint #1' and 'Sprint #0' columns remain the same.

InstaAudit ☆ Personal Private GC DN KR Invite

User stories ...

- Story**
[STORY] As a user, I'd like to be able to access this service from anywhere online, so I can work on the go [7]
- Story**
[STORY] As a user, I'd like to see how well my post would do before I post it, so I can gauge what kind of content my users want to see [10]
- Story**
[STORY] As a user, I would like to obtain more market research, so I can expand my database of posts [8]
- Story**
[STORY] As a user, I would like it to be easy to upload to instagram, so my workflow can be optimal [7]
- Story**
[STORY] As a user, I would like to compare engagement from another company with my company [5]
- + Add another card

Backlog ...

- Upload post to instagram via API
- Prototype CNN
- + Add another card

In-Progress ...

- + Add a card

Sprint #2 ...

- Done**
Implement WebServer (5)
- Done**
Connect Webserver to Mongo
- Done**
Authenticate Login, store in DB
- Done**
Connect Rest API to Mongo
- Done**
Create a Decision Tree
- + Add another card

Sprint #1 ...

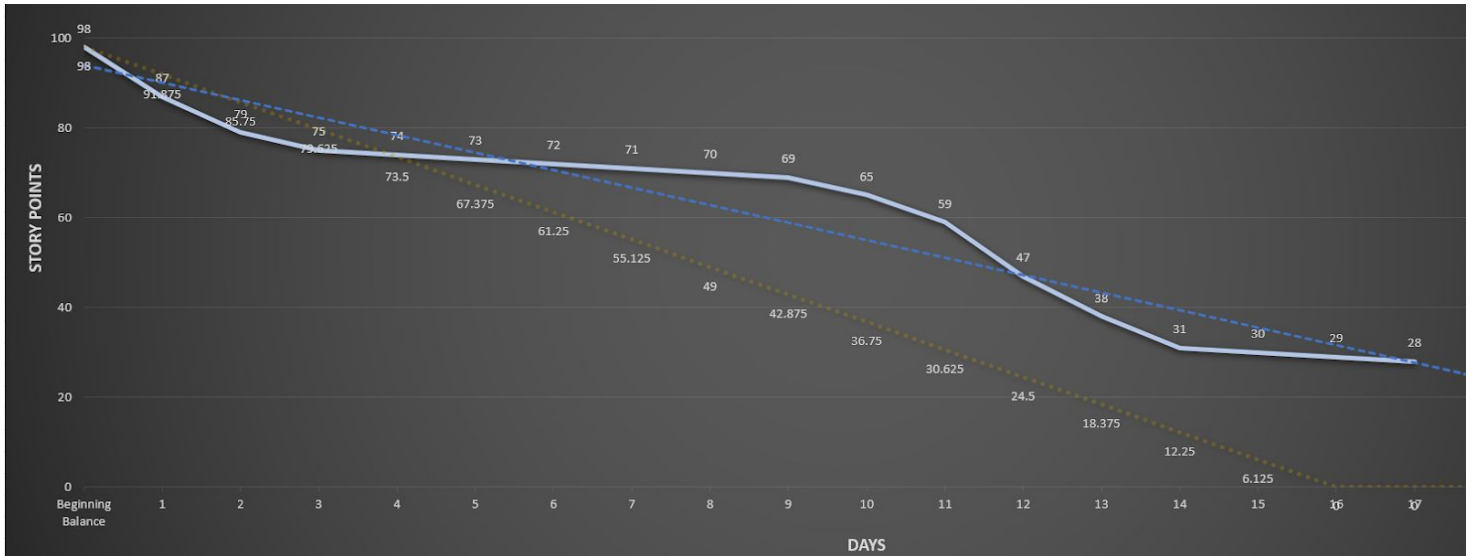
- Done**
Setup Database (10)
- Done**
Product Requirements Document (10)
Mar 9
- Done**
Architecture and Design Document (25)
Mar 9
- Done**
Test Script for Scraping Instagram (25)
- Done**
Finalize Research on Backend structure, make decision (20)
- + Add another card

Sprint #0 ...

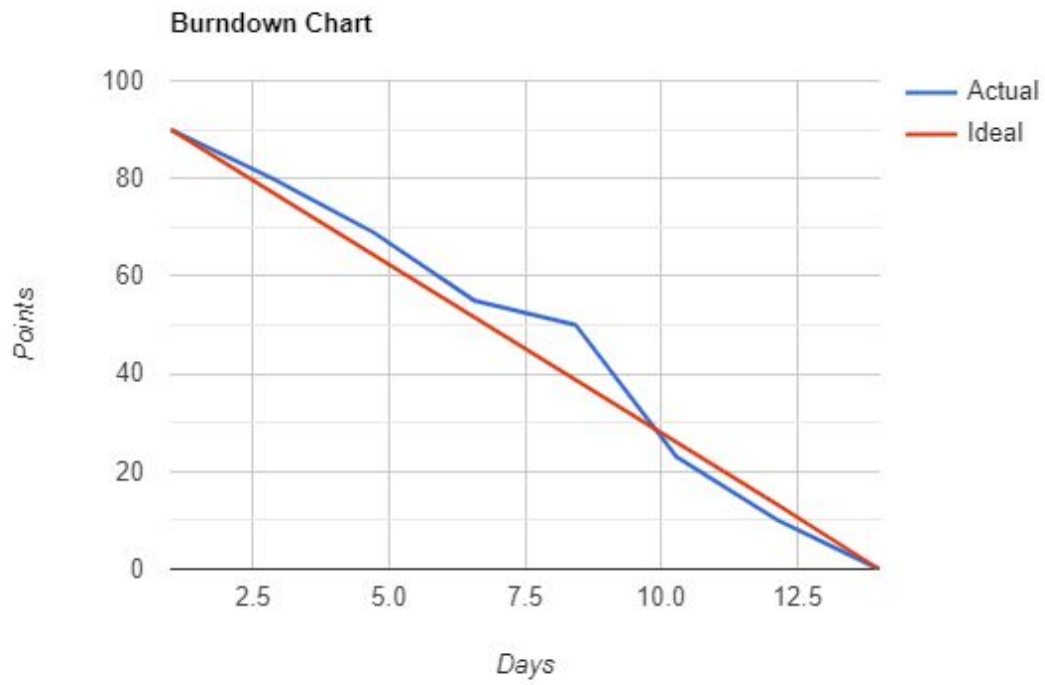
- Done**
Business Requirements Document (30)
- Done**
Management Plan (30)
- Done**
Research server platforms/databases (30)
- + Add another card

Burndown Chart

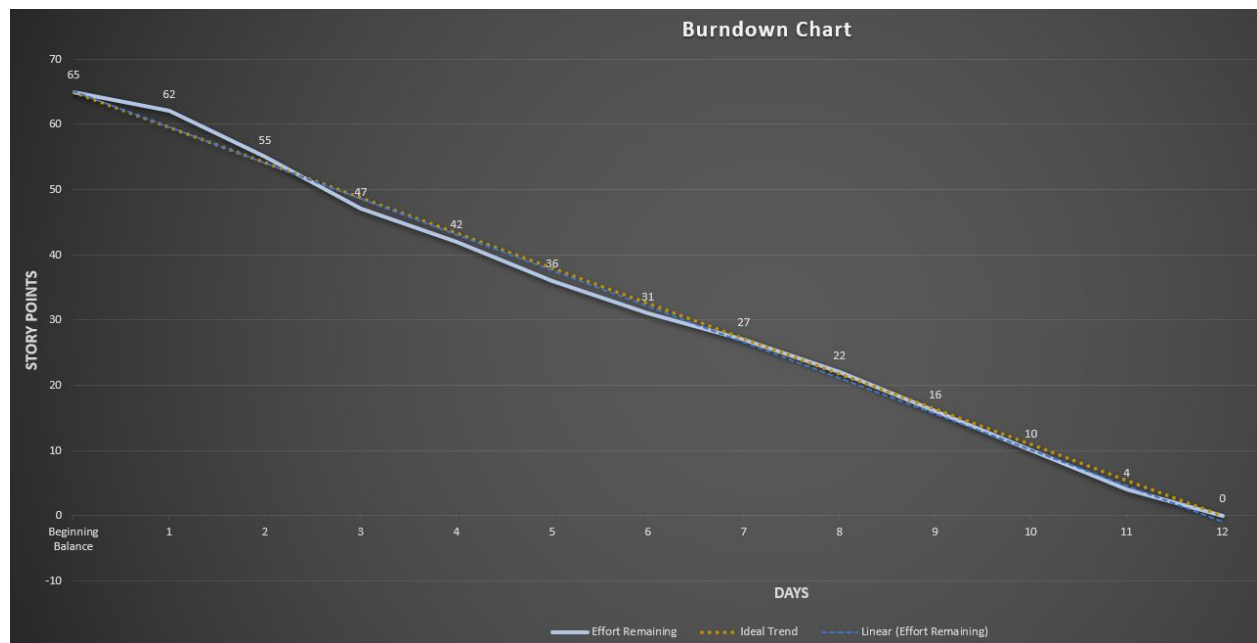
Sprint #0



Sprint #1



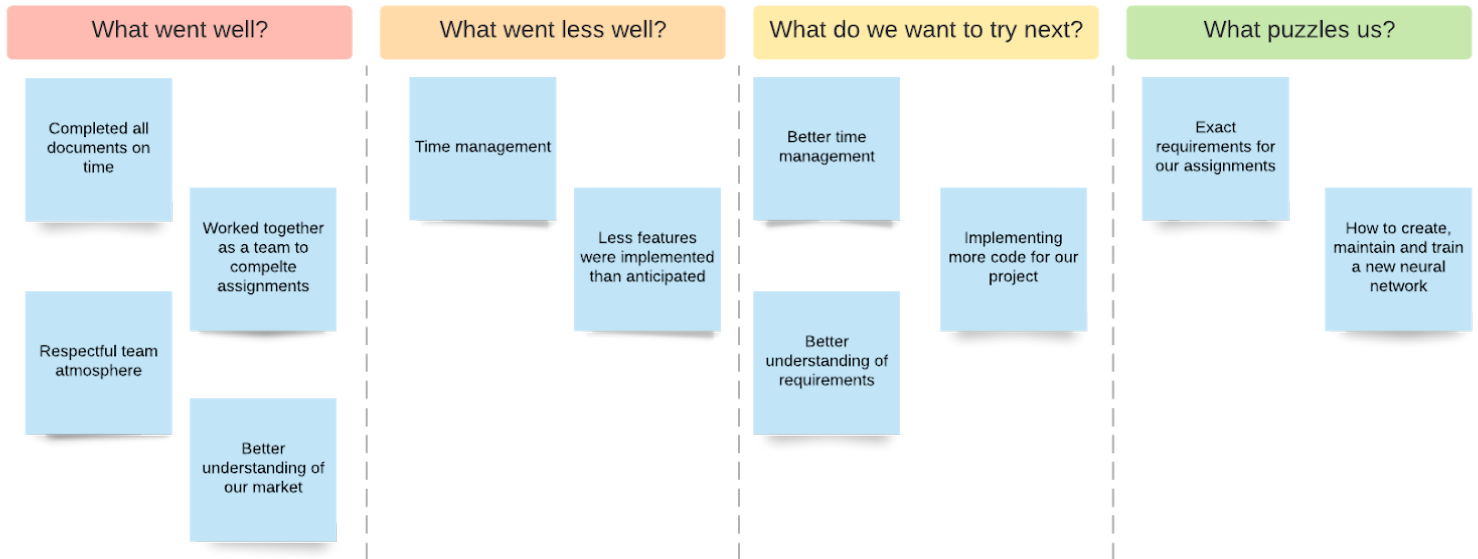
Sprint #2



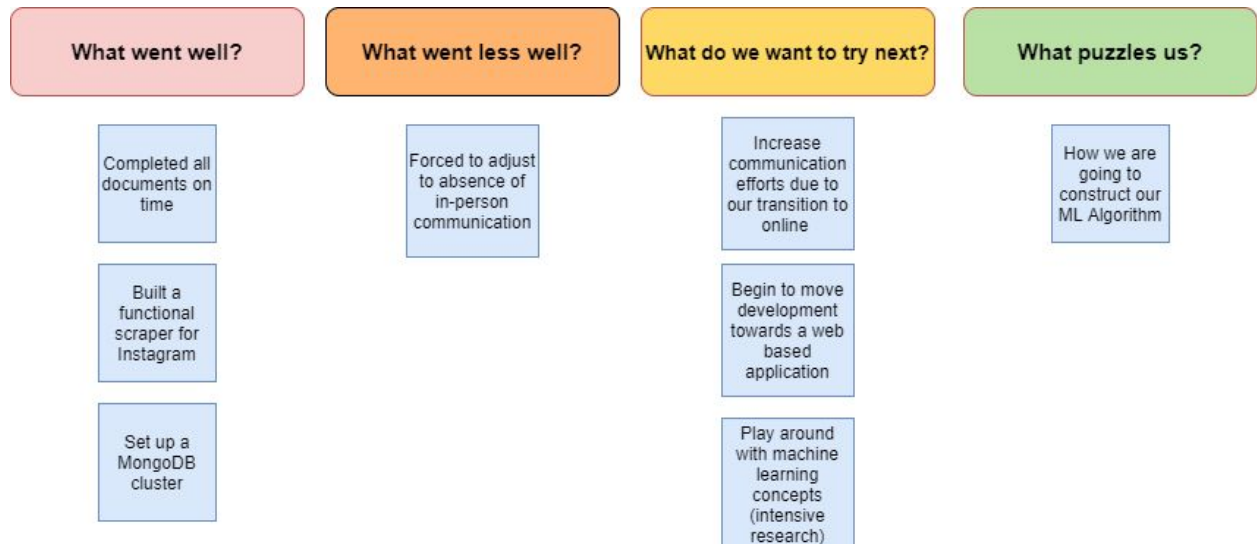
Sprint Retrospective

Sprint #0 Retrospective

Tylar and the Boyz | February 17, 2020



Sprint #1 Retrospective



Sprint #2 Retrospective

Tylar and the Boyz | April 14, 2020

What went well?

Completed all documents on time

Worked together as a team to complete assignments

Implemented a basic ML program

What went less well?

Less features were implemented than anticipated

What do we want to try next?

Implementing more code for our project

Create and test a simple CNN

What puzzles us?

How to determine the correct criteria for determining a post's quality