

Sprint 1 Plan  
ImageGen  
Completed 01-30-2024  
Revision 1  
As of 01-30-2024

Goals:

A website that takes a user-submitted prompt and returns an image that follows the prompt, or takes a user-submitted image and returns a caption of the image.

User Stories:

- As a user, I want to interact with a website to input an image and/or caption. (10)
  - Setup ReactTotal: 3 hours
- As a user, I want to be able to generate a descriptive caption from a picture I have uploaded.
  - Setup model for caption generation
  - Link model to frontendTotal: 5 hours
- As a user, I want to quickly edit my photos(with a prompt) so that I can post them on my social media.
  - Setup model for image generation
  - Link model to frontend
- As a user, I want to quickly edit my photos(with a prompt) so that I can post them on my social media.
  - Setup model for image generation
  - Link model to frontend
- Spikes:
  - Learn AWS Tools(2)
  - Learn ReactJS(2)
  - Learn about ML model(3)
  - Learn about Flask(2)Total: 9 hours

Team roles:

Joseph: Scrum Master, Developer(Backend)

Mani: Developer(Frontend)

Cullen: Developer(Backend)

Mat: Developer(Between Frontend/Backend)

Brian: Developer(Backend)

Khaled: Developer(Backend)

Initial task assignments:

Joseph: (As a user, I want to be able to generate a descriptive caption from a picture I have uploaded), Setup model for caption generation

Mani: (As a user, I want to interact with a website to input an image and/or caption), Setup React

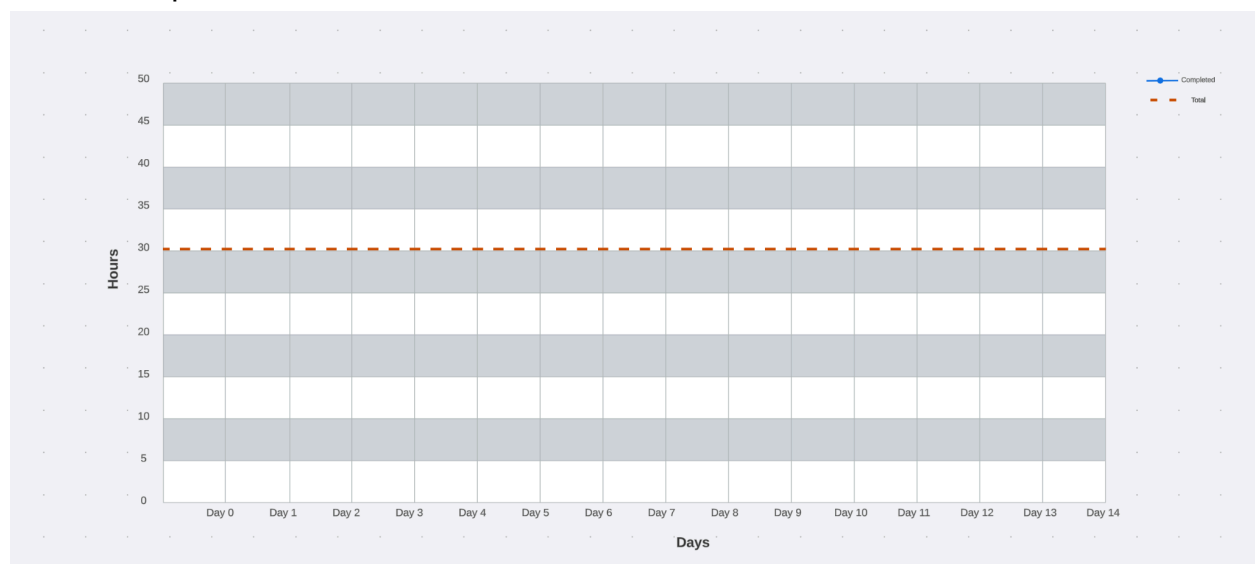
Cullen: (As a user, I want to quickly edit my photos(with a prompt) so that I can post them on my social media), Learn about ML model

Mat: (As a user, I want to interact with a website to input an image and/or caption.), Link model to frontend), Link model to frontend

Brian: (As a user, I want to quickly edit my photos(with a prompt) so that I can post them on my social media), Learn about ML model

Khaled: (As a user, I want to quickly edit my photos(with a prompt) so that I can post them on my social media), Set model for image generation

Initial burnup chart:



Initial scrum board:

IM Sprint 1 17 Jan – 30 Jan (7 issues)			19	5	7	Complete sprint	...
IM-1 As a user , I want to quickly edit my photos so that I can quickly post them on my social media.	USER STORIES	8					
IM-15 [Backend] BLIP Model	IN PROGRESS	-					
IM-17 [Frontend][Platform] A website using react for customers to input an image and/or caption	DONE	7					
IM-11 [Backend][Infrastructure] Setup Database	IN PROGRESS	3					
IM-12 [Backend][Infrastructure] Setup ec2 for Jenkins	IN PROGRESS	2					
IM-18 [Backend][BLIP] Input and output validation	TASK - TODO	3					
IM-14 [Backend] Instructpix2pix Model	TASK - TODO	8					
+ Create issue							

Scrum times:

Mondays 9:10-9:25

Wednesdays 9:10-9:25

Fridays 9:10-9:25