Sprint 4 Plan
ImageGen
Complete on 04-12-2024
Revision 1
As of 04-12-2024

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)
  - Maintain Website hosting
  - Redesign Website
    - Add more features
    - Edit User Interface
- As a user, I want to be able to see the caption generated from my uploaded image that will be used to generate a social media caption (5)
  - Edit CaptionGen to show both BLIP caption and LLM caption
- As a user, I want to pick between different image-generating/editing models (5)
  - Add a model that produces different art styles
  - Tune models/add features
- As a user, I want to be able to see each generated image sequentially rather than waiting for a large batch (2)
  - Make images load one by one
- As a user, I want to be notified if there was an error or success in generating captions or images on the webpage (10)
  - Add error handling
  - Add Toastify alert messages
- As a user, I want to be able to archive my images privately (18)
  - Create an image archive page
  - Toggle between public and private to share to Explore page
- Spikes:
  - Research Website Design
  - Social Media API
  - SQL Database for User Accounts

Team roles:
Joseph: Developer(ImageEdit/Backend)
Mani: Developer(Frontend)

Cullen: Developer(ImageGen/Backend)
Mat: Developer(CaptionGen/Between Frontend/Backend)
Brian: Scrum Master, Developer(ImageEdit Between Frontend/Backend)
Khaled: Developer(Between Frontend/Backend)

Initial task assignments:
Joseph:
- (As a user, I want to pick between different image-generating/editing models)
  - Add a model that produces different art styles
- As a user, I want to interact with a website to input an image and/or caption.
  - Maintain Website hosting
Mani:
- As a user, I want to interact with a website to input an image and/or caption.
  - CaptionGen Website Design
Cullen:
- (As a user, I want to pick between different image-generating/editing models)
  - Add features to models
- As a user, I want to interact with a website to input an image and/or caption.
  - Maintain Website hosting
Mat:
- As a user, I want to interact with a website to input an image and/or caption.
  - Archive for generated content
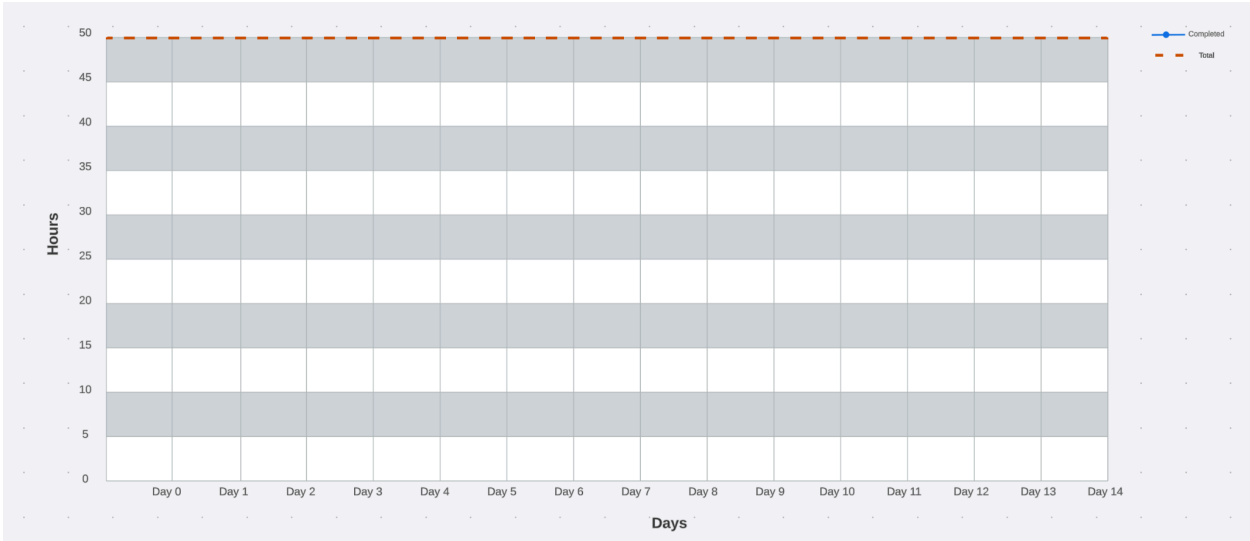 - Archive Website Design
Brian:
- As a user, I want to interact with a website to input an image and/or caption.
  - ImageGen Website Design
Khaled:
- As a user, I want to interact with a website to input an image and/or caption.
  - ImageEdit Website Design

Initial burnup chart:

Initial scrum board:

IM Sprint 4

JC MB MI KA CH Label ⌄ Type ⌄

USER STORIES	TASK - TODO 13	IN PROGRESS	DONE ✓

⌄ JC Joseph Chen (1 issue)

[Frontend] Error Checking
Task
☑ IM-47   JC

⌄ Brian Nguyen (2 issues)

[Frontend] ImageGen Page Design
☑ IM-42   9

[Frontend] Explore page
☑ IM-40

⌄ CH Cullen He (1 issue)

[Frontend] Test Models ✏   •••
☑ IM-48   -   CH

⌄ KA Khaled Al-Jaaidi (2 issues)

[Backend]Start with social media integration
☑ IM-34   16   KA

[Frontend] ImageEdit Page Design
☑ IM-43   KA

⌄ MI Manikanta Illuri (2 issues)

[Frontend][WebDev] Organize website, make it look nice
☑ IM-35   2   MI

[Frontend] CaptionGen Page Design
☑ IM-44   MI

⌄ MB Mattiwos Belachew (3 issues)

[Frontend] Work on Setting page users can change their profile pictures name and etc
☑ IM-45   8   MB

[Frontend] Work on Archive page users can see their old stuff
☑ IM-46   8   MB

[Backend][Infrastructure] Setup Database
IM-11   7   MB

Scrum times:
Mondays 9:10-9:25
Wednesdays 9:10-9:25
Fridays 9:10-9:25