

Sprint 3 Plan
ImageGen
Complete on 02-27-2024
Revision 1
As of 02-27-2024

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. (5)
 - Setup PC to host website
- 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 the option to choose the “tone” of the generated social media caption. (10)
 - Add a trendy tone for LLM
 - Add a funny tone for LLM
 - Add an inspirational tone for LLM
- As a user, I want to pick between different image-generating/editing models (10)
 - Add a slow but high-quality image model
 - Add a fast but poor-quality image model
 - Add a model that produces different art styles
- 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 able to log in to the website to save images(8)
 - Setup authentication
 - Make a private archive
- As a user, I want to be able to see what other users created for inspiration and fun (10)
 - Develop Explore Page (another tab)
 - Add an image gallery
 - Each image has an associated username to who created it
 - Each image can be clicked on and shows prompt and model info
 - Make a database of images users have generated with MongoDB
- Spikes:
 - Research Website Design

- Social Media API
- MongoDB 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/Backend)

Khaled: Developer(ImageGen/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
 - Add slow and fast model
- As a user, I want to interact with a website to input an image and/or caption.
 - Setup PC to host website

Mani:

- (As a user, I want to be able to see my image caption that will be used to generate a social media caption)
 - Research Website Design
 - Revamp Website CaptionGen UI

Cullen:

- (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.
 - Setup PC to host website

Mat:

- (As a user, I want to be able to see my image caption that will be used to generate a social media caption)
 - Revamp Home Page + Other Page Features
- (As a user, have the option to choose the “tone” of an image caption.)
 - Add a trendy tone for LLM
- (As a user, I want to be able to see each generated image sequentially rather than waiting for a large batch)
- As a user, I want to be able to see what other users created for inspiration and fun
 - Make a database of images users have generated with MongoDB

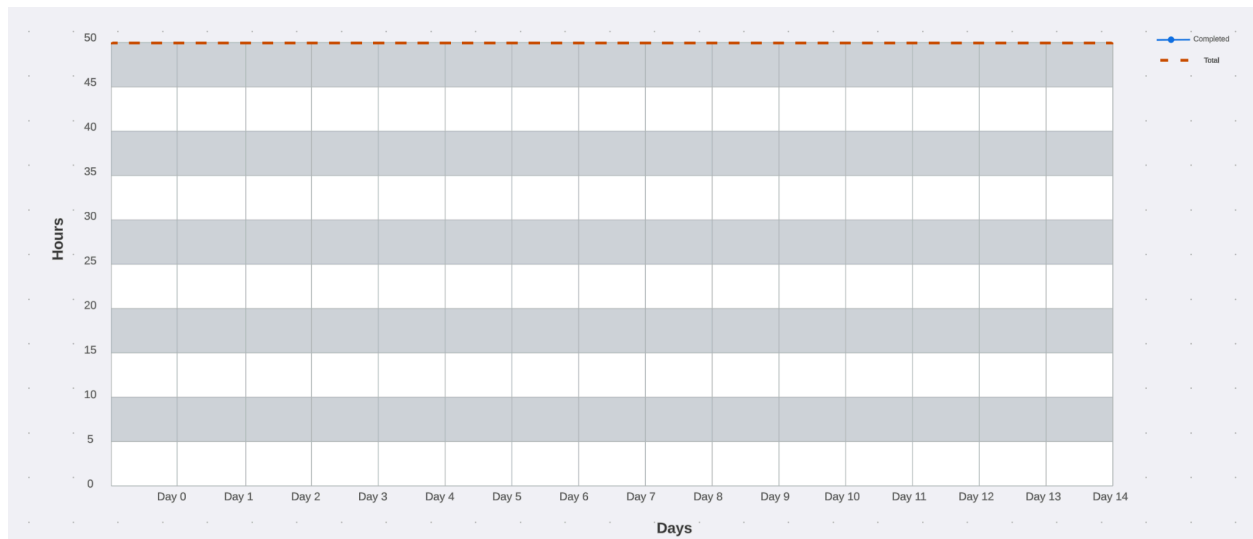
Brian:

- (As a user, I want to be able to see my image caption that will be used to generate a social media caption)
 - Revamp ImageGen Page
- As a user, I want to be able to see what other users created for inspiration and fun
 - Develop Explore Page (another tab)
 - Add an image gallery
 - Each image has an associated username to who created it
 - Each image can be clicked on and shows prompt and model info

Khaled:

- (As a user, I want to pick between different image-generating/editing models)
 - Add a model that produces different art styles
- “Assign new story”
- Social Media Integration to CaptionGen
- (As a user, I want to be able to see my image caption that will be used to generate a social media caption)
 - Revamp Website ImageEdit UI

Initial burnup chart:



Initial scrum board:

Incomplete issues							View in issue navigator
Key :	Summary :	Issue type :	Epic :	Status :	Assignee :	Story points	
IM-34	[Backend]Start with social media integration	<input checked="" type="checkbox"/> Task		IN PROGRESS	KA	16	
IM-35	[Frontend][WebDev] Organize website, make it look nice	<input checked="" type="checkbox"/> Task		IN PROGRESS	MI	2	
IM-40	[Frontend] Explore page	<input checked="" type="checkbox"/> Task		IN PROGRESS		-	
IM-42	[Frontend] ImageGen Page Design	<input checked="" type="checkbox"/> Task		IN PROGRESS		-	
IM-43	[Frontend] ImageEdit Page Design	<input checked="" type="checkbox"/> Task		IN PROGRESS		-	
IM-44	[Frontend] CaptionGen Page Design	<input checked="" type="checkbox"/> Task		IN PROGRESS		-	

Completed issues							View in issue navigator
Key :	Summary :	Issue type :	Epic :	Status :	Assignee :	Story points	
IM-23	As a user, I want to pick between a faster but less detailed image generating mode...	<input checked="" type="checkbox"/> Story		DONE	CH	4	
IM-31	[FrontEnd] CaptionGen Social Media Caption Options	<input checked="" type="checkbox"/> Task		DONE	MB	5	
IM-32	[FrontEnd] CaptionGen display image user has submitted	<input checked="" type="checkbox"/> Task		DONE	MI	3	
IM-33	[Backend] [ImageEdit] Add multiple model options	<input checked="" type="checkbox"/> Task		DONE	JC	8	
IM-36	Using Cullen's PC start to host	<input checked="" type="checkbox"/> Task		DONE	CH	10	
IM-37	[Backend][ImageGen] Add multiple models	<input checked="" type="checkbox"/> Task		DONE	JC	8	
IM-38	As a user, I want the option to choose the "tone" of the generated social media ca...	<input checked="" type="checkbox"/> Task		DONE	MB	4	
IM-39	As a user, I want to be able to see my image caption that will be used to generate ...	<input checked="" type="checkbox"/> Task		DONE	MB	6	
IM-41	[Frontend] Login and Signup pages	<input checked="" type="checkbox"/> Task		DONE	MB	8	

Scrum times:

Mondays 9:10-9:25

Wednesdays 9:10-9:25

Fridays 9:10-9:25