

Assignment #6 Milestones

Major Milestones:

- Research and Discovery: Do research into what the frontend and backend should function and what the best/most efficient way to train the AI for our application purposes.
- Project Planning: Discuss the project dates of completion and what roles we will all play in each other's individual tasks.
- Graphic Design: Create the frontend of the application and decide what user information will need to be stored in our database, and where we will need to connect any APIs.
- Development: Build the backend of the application as well as train the API. This will all happen as the frontend will continue to be developed.
- Merge: Connect the frontend of the application to the backend and the AI API calls that need to be made. Also, connect the frontend to the database to store user information and then connect the AI API to the database so that our AI can build based on what is stored.
- Testing: Go through the application and find any bugs/enhancements that can be made to the application, and make sure that the application works with the connected APIs.

Tasks:

Start Date:

Completion Range:

Research application testing methods.	January 2024	Mid-January 2024
Create and implement unit tests for back end	April 2024	End of April 2024
Create and implement unit tests for GUI interactions and back-end execution of interactions	April 2024	End of April 2024
Test speed optimality of project interactions (front-end/back-end/database)	April 2024	End of April 2024
Manage and record user	March 2024	End of March 2024

tests (alpha testing)		
Research app building methods based on design preferences.	January 2024	Mid-January 2024
Research light-load database building methods	January 2024	Mid-January 2024
Build initial database and storage methods	February 2024	Mid-February 2024
Implement user restrictions to cap app use for each user.	March 2024	Mid-March 2024
Finalize and verify API interaction with the database.	Mid-March 2024	End of March 2024
Research other image generation applications to see what others look like.	January 2024	Mid-January 2024
Build an initial front-end web application to build off of for the application.	Mid-January 2024	End of January 2024
Make a wireframe diagram of what the front-end will look like and discuss any changes with the team.	Early January 2024	Mid-January 2024
Build out the structure of the application with indications of where APIs will need to be called.	February 2024	Early March 2024

Connect the front-end to the necessary APIs to show our AI generated images.	March 2024	End of March 2024
Research competitors to gain insight on their model generation process	January 2024	Mid-January 2024
Research cloud services that would allow for model generation given our inputs	January 2024	Mid-January 2024
Design a hosted version of a model that trains with inputs from our app and outputs to our application	Mid-January 2024	March 2024
Design an application call to our hosted model through an API	March 2024	Mid-March 2024
Validate connections between app and model	April 2024	End of April 2024

Milestone:

Start Date:

Completion Date:

<p>Research and Discovery:</p> <p>Do research into what the frontend and backend should function and what the best/most efficient way to train the AI for our application purposes.</p>	January 2024	Mid to End of January 2024
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Project Planning: Discuss the project dates of completion and what roles we will all play in each other's individual tasks.	January 2024	Often throughout the course of the project. Will be used to keep everyone on task.
Graphic Design: Create the frontend of the application and decide what user information will need to be stored in our database, and where we will need to connect any APIs.	Mid-January 2024	March 2024
Development: Build the backend of the application as well as train the API. This will all happen as the frontend will continue to be developed.	Mid-January 2024	March 2024
Merge: Connect the frontend of the application	Mid-March 2024	April 2024

to the backend and the AI API calls that need to be made. Also, connect the frontend to the database to store user information and then connect the AI API to the database so that our AI can build based on what is stored.		
Testing: Go through the application and find any bugs/enhancements that can be made to the application, and make sure that the application works with the connected APIs.	April 2024	End of April 2024

Task:

Start Date:

Completion Date:

Effort:

Research application testing methods.	January 2024	Mid-January 2024	100% Sara
Create and implement unit	April 2024	End of April 2024	100% Sara

tests for back end			
Create and implement unit tests for GUI interactions and back-end execution of interactions	April 2024	End of April 2024	75% Sara 25% Eli
Test speed optimality of project interactions (front-end/back-end /database)	April 2024	End of April 2024	75% Sara 25% Michael
Manage and record user tests (alpha testing)	March 2024	End of March 2024	100% Sara
Research app building methods based on design preferences.	January 2024	Mid-January 2024	100% Eli
Research light-load database building methods	January 2024	Mid-January 2024	100% Eli
Build initial database and storage methods	February 2024	Mid-February 2024	75% Eli 25% Michael
Implement user restrictions to cap app use for each user.	March 2024	Mid-March 2024	100% Eli
Finalize and verify API interaction with	Mid-March 2024	End of March 2024	50% Eli 25% Michael

the database.			25% Nick
Research other image generation applications to see what others look like.	January 2024	Mid-January 2024	100% Nick
Build an initial front-end web application to build off of for the application.	Mid-January 2024	End of January 2024	100% Nick
Make a wireframe diagram of what the front-end will look like and discuss any changes with the team.	Early January 2024	Mid-January 2024	100% Nick
Build out the structure of the application with indications of where APIs will need to be called.	February 2024	Early March 2024	100% Nick
Connect the front-end to the necessary APIs to show our AI generated images.	March 2024	End of March 2024	25% Nick 25% Eli 25% Michael 25% Sara
Research competitors to gain insight on their model generation process	January 2024	Mid-January 2024	100% Michael
Research	January 2024	Mid-January 2024	100% Michael

competitors to see what features are covered and lacking in other apps.			
Research cloud services that would allow for model generation given our inputs	January 2024	Mid-January 2024	100% Michael
Design a hosted version of a model that trains with inputs from our app and outputs to our application	Mid-January 2024	March 2024	100% Michael
Design an application call to our hosted model through an API	March 2024	Mid-March 2024	75% Michael 25% Eli
Validate connections between app and model	April 2024	End of April 2024	50% Michael 50% Eli