[Project Milestone 4](#)
CSCI 3308 REC 013 Group 6
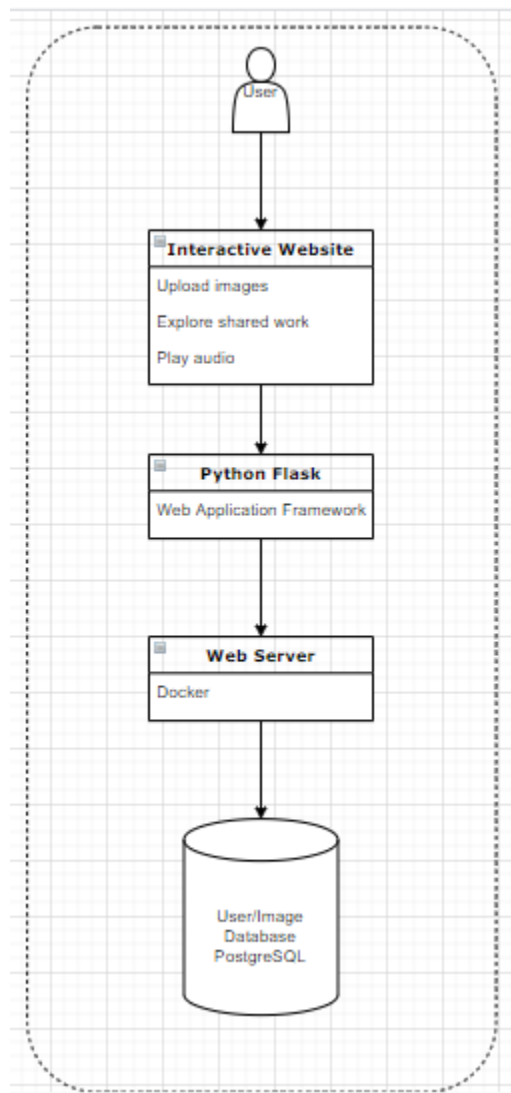Natives 013_6
Bella Barbieri, Spencer Stepanek, Dylan Ginsberg, Luke Pan, Trevor Aweida
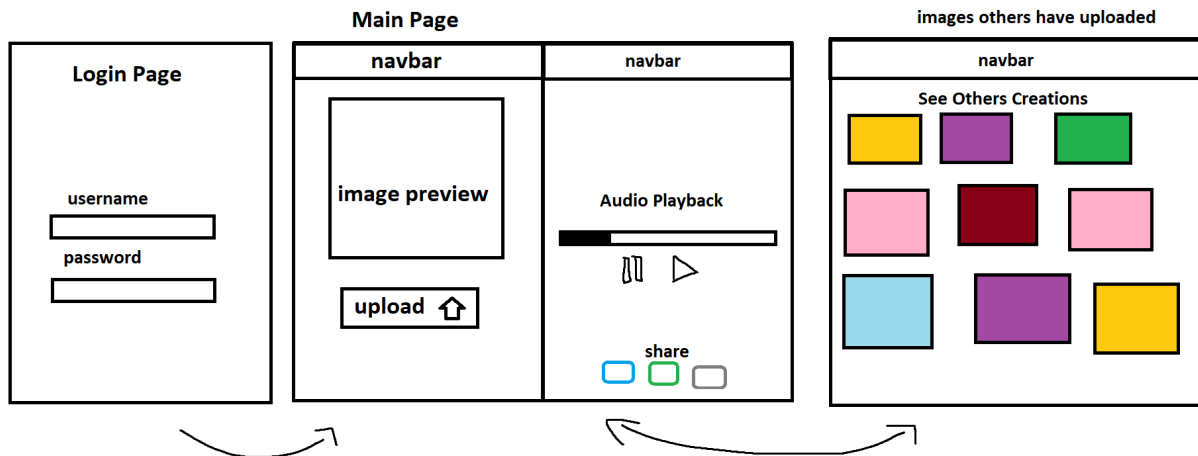

Revised List of Features
1) Audio Generation
2) Image Upload
3) "Explore Creations"
4) Playback functionality
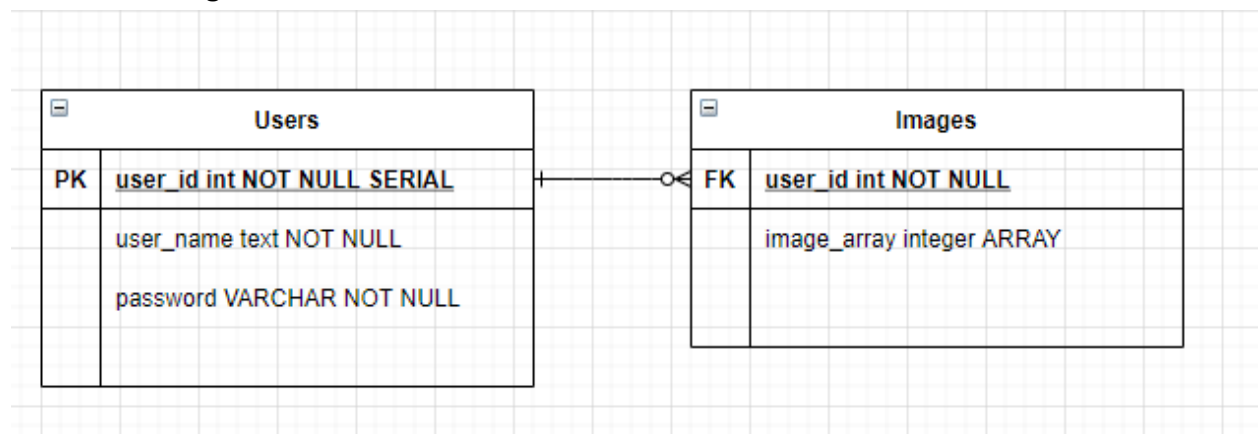5) Login Page
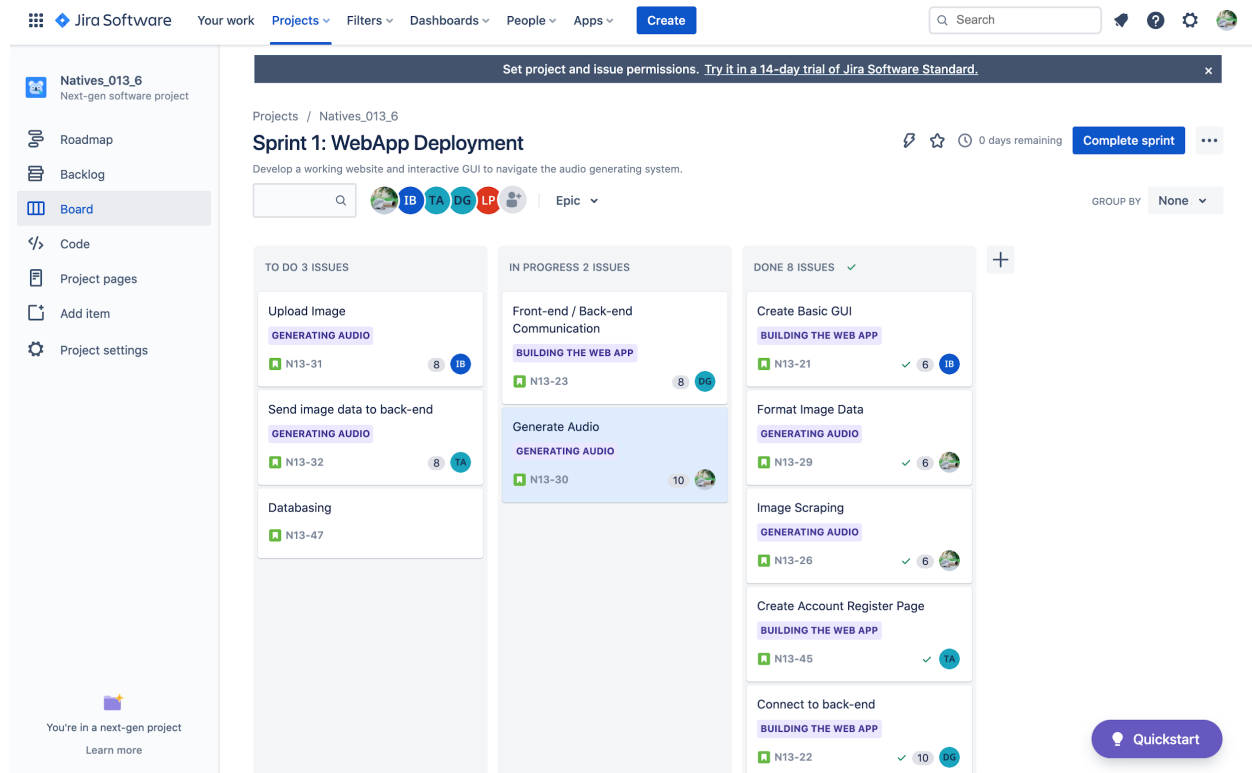6) "Share my music"

Architecture Diagram

Front End design

Login Page	Main Page		images others have uploaded
	navbar	navbar	navbar

Login Page

username

password

Main Page

navbar

image preview

upload ⇧

navbar

Audio Playback

⏸ ▷

share
☐ ☐ ☐

images others have uploaded

navbar

See Others Creations

Web Service Design
As of right now, we will not be using any web services or APIs.

Database design

Users

PK	user_id int NOT NULL SERIAL
	user_name text NOT NULL
	password VARCHAR NOT NULL

Images

FK	user_id int NOT NULL
	image_array integer ARRAY

Individual Contributions

Bella Barbieri, [Latest commit](#)
- Working on creations page where you can see what images other users have uploaded
- Cleaning up html

Spencer Stepanek, [Latest Commit](#):
- Progress on Python back-end, for image reading/processing and audio generation. Collaboration with Luke on running 2 Docker images with 1 compose file.

Dylan Ginsberg, [Latest Commit](#):
- Progress on front-end development with Javascript,

Luke Pan, [Latest Commit](#):
- Database Entity Relationship Diagram
- Database initialization file

Trevor Aweida, [Latest Commit](#):
- Front end HTML page navigation.
- Docker-compose with frontend-backend communication.

Challenges
Identify at least 3 challenges and/or risks to your project at this point.

- Flask is a large learning curve to use python for image processing
- Successfully getting the frontend to communicate with the backend python image communication

- Seeing and accessing another user's creation from a different account.

What is your backup/risk mitigation plan in case you are unable to resolve the challenge(s)?

- awdhu