Release Plan

Pix Paint

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Revision: 7

Revision Date: 6/4/2024

Goals

- Create a canvas of a user-set size or open an existing one to draw pixels on, either of which can be adjusted later.
- Save/Export the canvas as a .png and .tiff and to different resolutions if desired.
- Add/delete/adjust opacity for layers for independent editing of different elements of the artwork.
- Use pen and eraser tools that can have their sizes/opacities adjusted.
- Zoom in/out to better see parts of the canvas as needed.
- Be able to use the program on a computer, web, or mobile-app.
- Undo/Redo strokes tracked by a stroke history.
- Choose colors from a color wheel.

User-Stories

Priority	User-Story (As a program-user I want to…)	Story Point Estimate
1	use Pix Paint as an offline application.	5
2	create a new canvas to draw on.	3
3	use pen and eraser tools	2

4	Customize pen and eraser.	3
5	access colors from a color wheel to change the pen color.	1
6	open/save/export a canvas.	4
7	resize my canvas anytime.	4
8	zoom in/out to better see parts of canvas as needed.	3
9	undo and redo a stroke.	3
10	use layers so that different parts of the artwork can be edited independently.	3
11	use Pix Paint as an online application.	5
12	be able to draw using a stylus.	1
13	see precisely where I am drawing.	2

Sprints

- Sprint 1
    - Use Pix Paint as offline application
    - Create a new canvas to draw on.
    - Use pen and eraser tools.
- Sprint 2
    - Open/save/export a canvas.
    - Customize pen and eraser.
    - Access colors from a color wheel to change the pen color.
- Sprint 3
    - Zoom in/out to better see parts of canvas as needed.
    - Undo and redo a stroke.
    - Resize my canvas anytime.

- Sprint 4
  - Use layers so that different parts of the artwork can be edited independently.
  - Have the program as an online application.
  - Use a stylus to draw

Sanity Check

Total Story Points: 41

This work distribution across sprints seems reasonable. Many of these tasks depend on one of the bigger user-stories being done so they are much smaller in terms of effort once we get to those. We've accounted for infrastructure tasks, spikes, and other things that may take our time such as holidays and midterms.

Product Backlog

- Have the program as an online application.