

Sprint 1 Plan

Pix Paint

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Revision: 2

Revision Date: 4/22/2024

Completion Date: 4/23/2024

Goals

- Computer executable
- Have a familiar, intuitive GUI.
- Canvas presence (100 x 100 px)
- File opening functionality
- File saving functionality
- Single-pixel pen/pencil tool
- Single-pixel eraser tool

Tasks

- User-story 1: As a program-user, I want to use Pix Paint as an offline/online application.
 - Task 1: Make github repo
 - Task 2: Research what tech to use
 - Task 3: Setup environment, folders, files etc
 - Task 4: Create a basic exe that opens a window
 - Task 5: Make GUI
- User-story 2: As a program-user, I want to create/open/save/export a canvas that can have its dimensions set before/after creation.).
 - Task 1: Research how to make a canvas, save canvas in different formats and resolutions, how to restore it
 - Task 2: Implement canvas and creating/saving/opening/exporting functionality

- User-story 3: As a program-user, I want to use pen and eraser tools that can have their sizes/opacities adjusted.
 - Task 1: Research
 - Task 2: Implementation

Team Roles

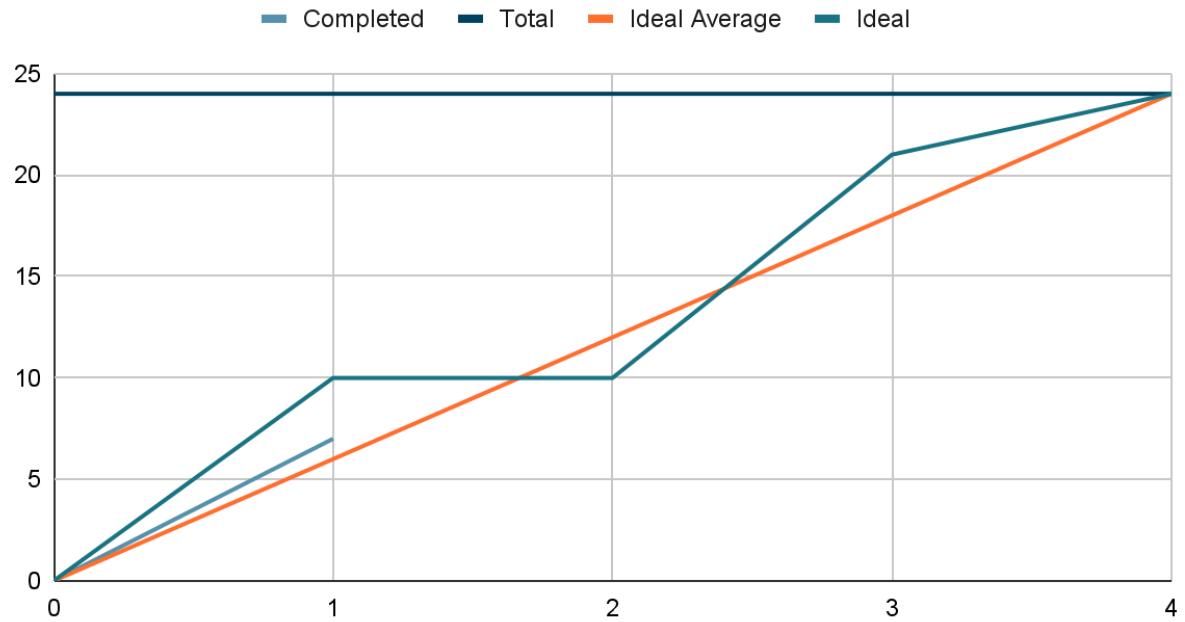
- Blair O'Brien: Project Owner/ Team Member Product Owner
- Daniel Phelps: Scrum Master/ Team Member
- Likha Pulido: Team Member
- Jennifer Chen: Team Member
- Christy Miao: Team Member

Task Assignment

- Blair O'Brien:
 - User-story 1: Research what tech to use
 - User-story 1: Make github repo
 - User-story 1: Setup environment, folders, files etc
 - User-story 1: Make basic exe that opens a window
- Daniel Phelps:
 - User-story 1: Research what tech to use
 - User-story 3: Research/ implement how to make canvas
- Likha Pulido:
 - User-story 1: Research what tech to use
 - User-story 1: Make GUI
- Jennifer Chen:
 - User-story 1: Research what tech to use
 - User-story 2: implement pen/eraser functionality
- Christy Miao: User-story 1, Research what tech to use
 - User-story 1: Research what tech to use
 - User-story 3: research/implement save functionality

Burnup Chart

Burnup (Story-Point Completion Over Sprints)



Scrum Board

User-Story	Not Started	In-Progress	Done
Use Pix Paint as an offline/online application.		<ul style="list-style-type: none"> E: Research how to create GUI (Likha) 	<ul style="list-style-type: none"> A: Make github repo (Blair) B: Research what tech to use (all members) C: Set up environment, folders, files etc (Blair) D: Create a basic exe that opens a window (Blair) F: Implement GUI (Likha)
Create/open/save/export a canvas that can have its dimensions set before/after creation.	<ul style="list-style-type: none"> G: Implement canvas K: Research how to allow export options for different resolutions. L: Implementation 	<ul style="list-style-type: none"> H: Research how to make a canvas (Daniel) I: Research how to save canvas; how to restore it (christy) J: Implement saving/opening canvas (christy) M: Research how to save a canvas as an image in general (Balir, christy) N: Research how to save the canvas in the .tiff or .png formats (christy) 	
Use pen and eraser tools that can have their sizes/opacities adjusted.	<ul style="list-style-type: none"> O: Implementation Q: Implementation 	<ul style="list-style-type: none"> P: Research (Jennifer) R: Research (Jennifer) 	
Access colors from a color wheel to change the pen color.			
Zoom in/out to better see parts of canvas as needed.			
Use layers so that different parts of the artwork can be edited independently.			
Undo and redo a stroke.			

Scrum Times

Day	Time
Monday (SCRUM meeting)	1:30 PM - 1:45 PM
Wednesday (SCRUM meeting)	1:30 PM - 1:45 PM

Thursday (meeting with TA)	9:00 AM - 10:00 AM
Thursday (Development meeting)	10:30 AM - 11:30 AM
Friday (SCRUM meeting)	1:30 PM - 1:45 PM
Sunday (Development meeting)	10:30 AM - 11:30 AM