

EmbroidIt

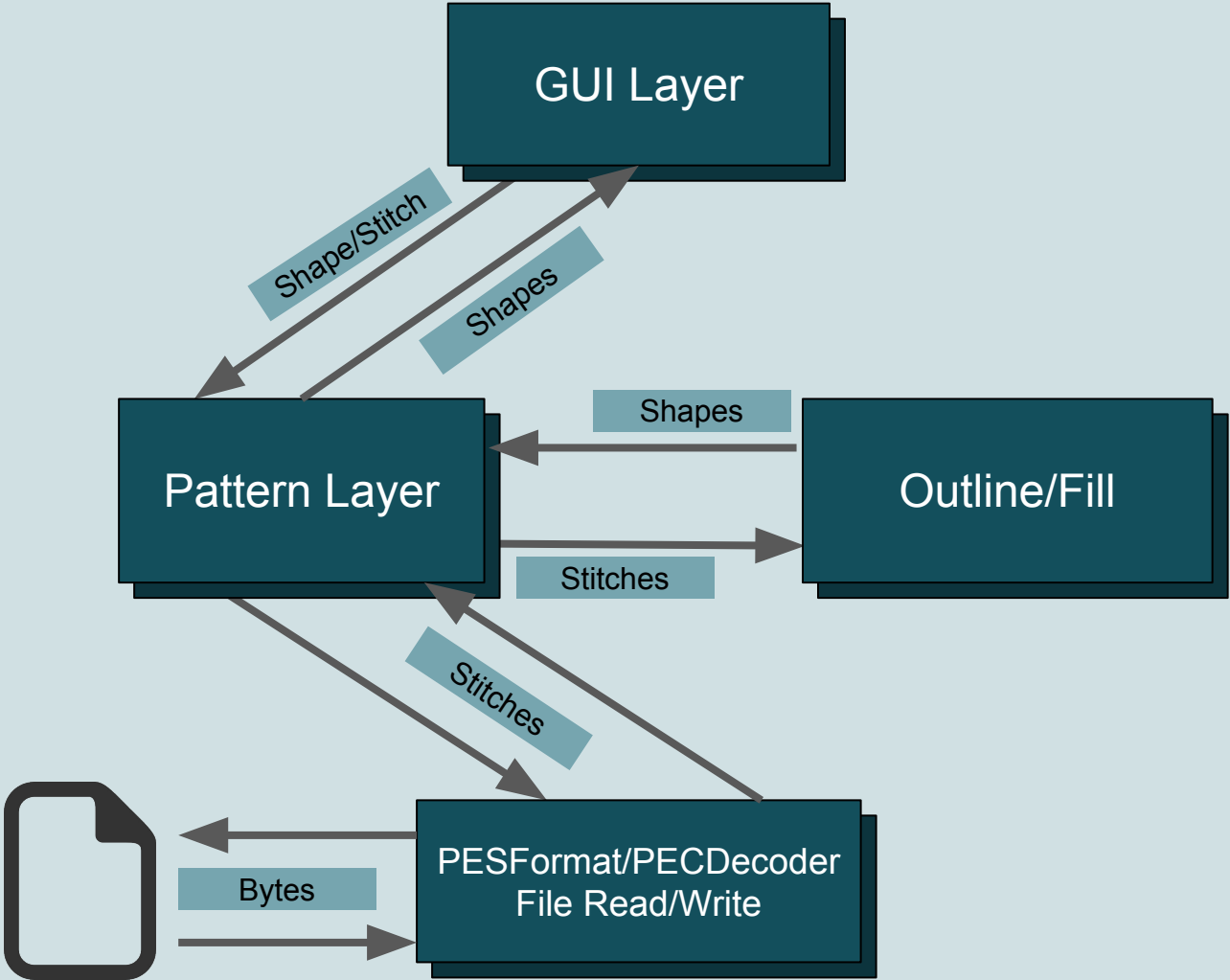
Briefing #2

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Under The Hood (Library)

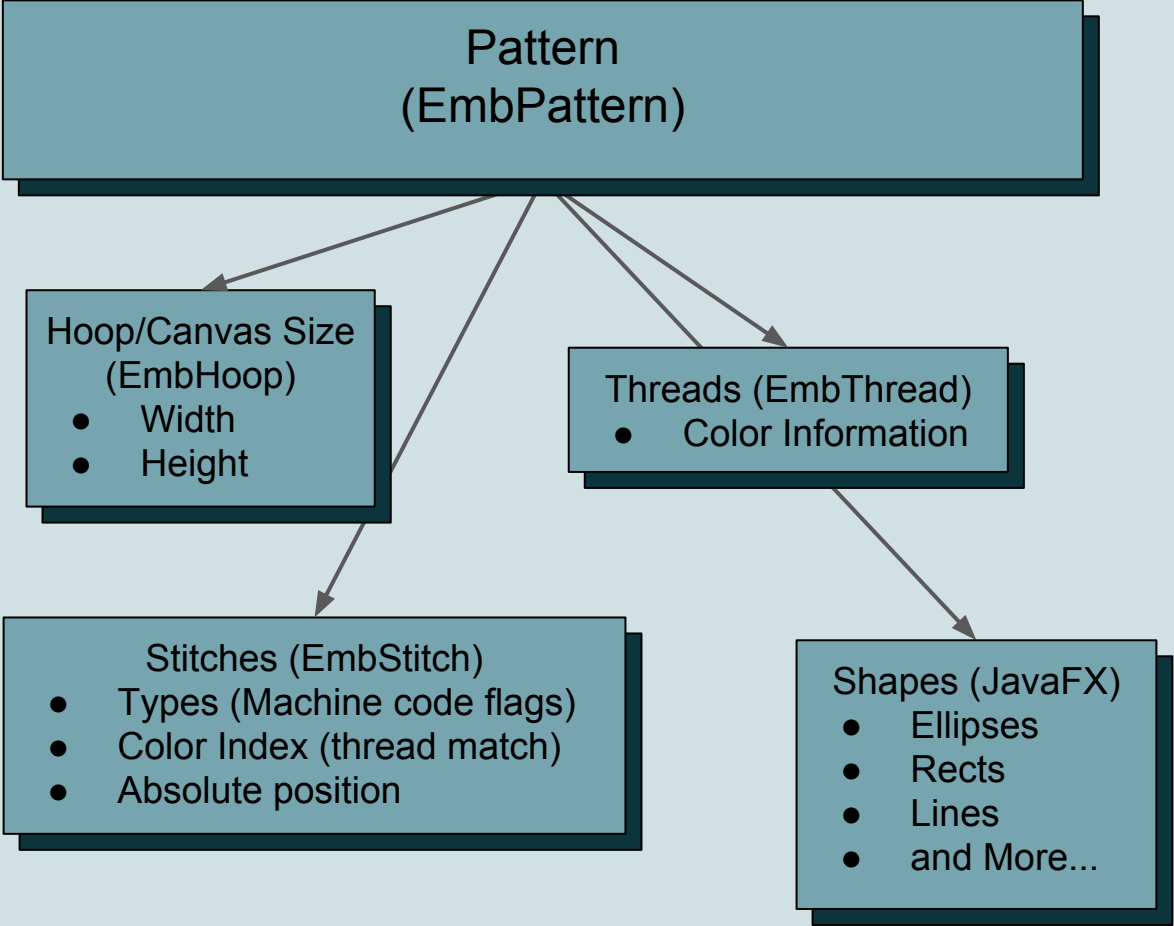
Design Overview

- Read a PES file and convert it to pattern stitch information.
- Create shapes from stitch data.
- display shapes in gui canvas for editing.
- write new changes to .PES file.



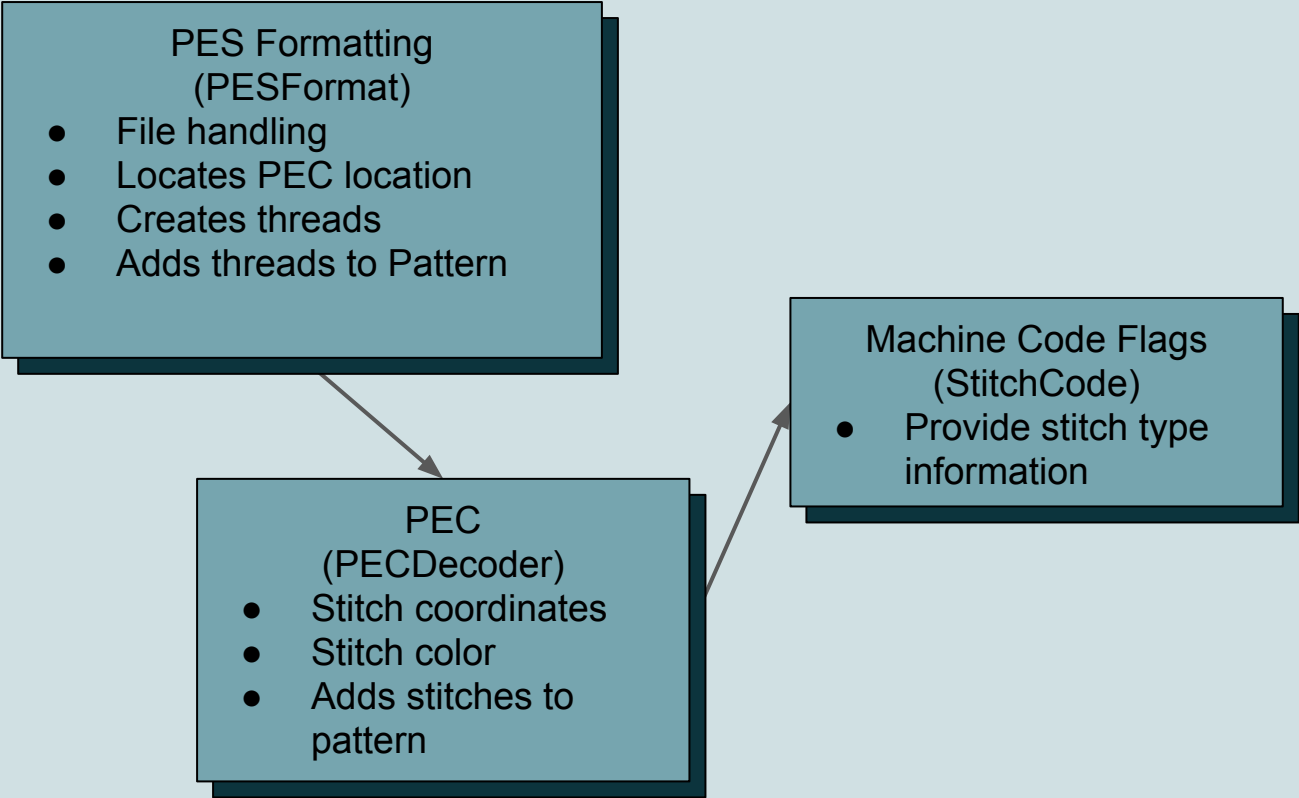
Patterns Use

- Hoops of variable size.
- Relative and absolute stitch coordinates.
- Stitch type machine codes. (flags)
- Threads that contain color information.

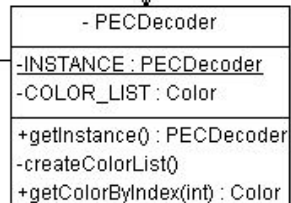
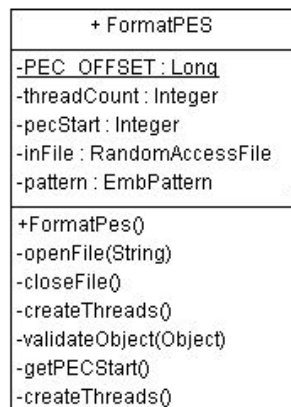
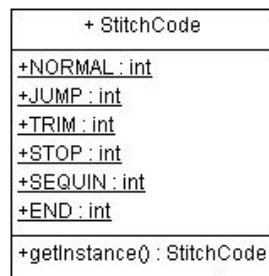


File System

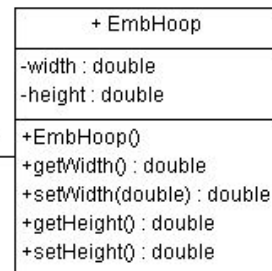
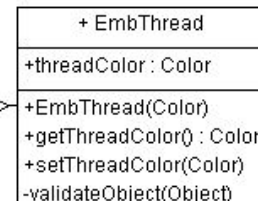
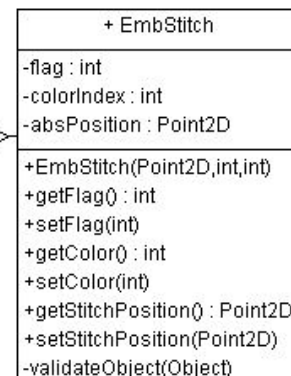
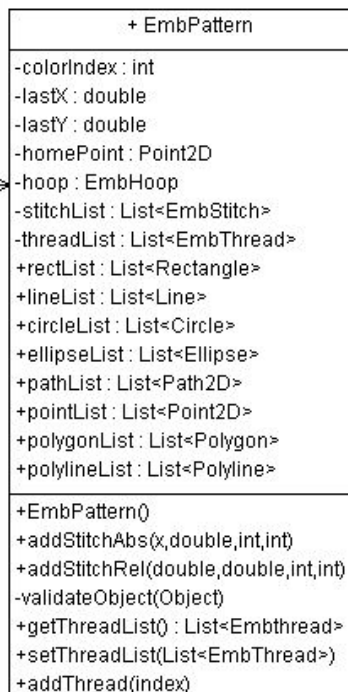
- Read stitch information.
- 2-4 bytes depending on location in file.
- Stitch coordinates
- Color
- Type:
 - Normal
 - Jump
 - Trim
 - Stop
 - Sequin
 - End



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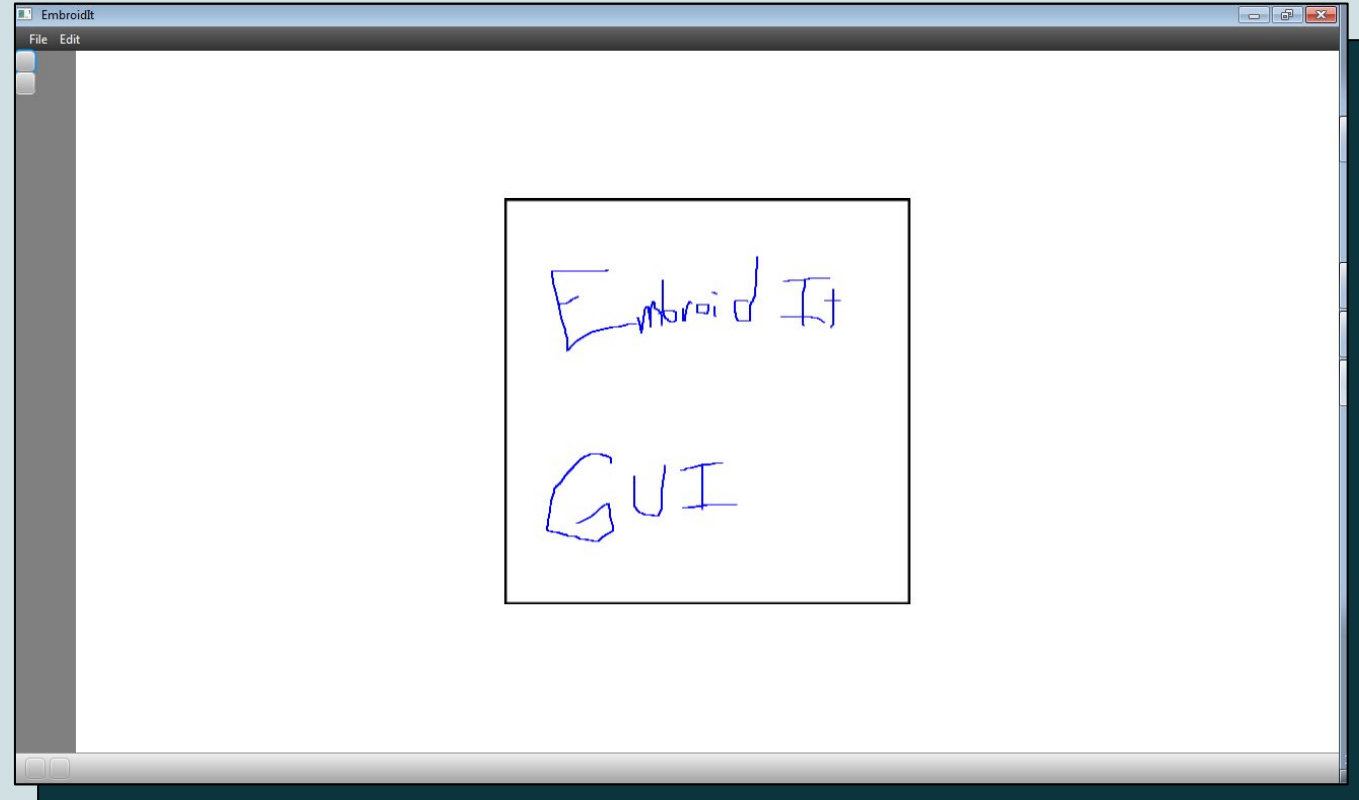


User Interaction (GUI)

Early Features

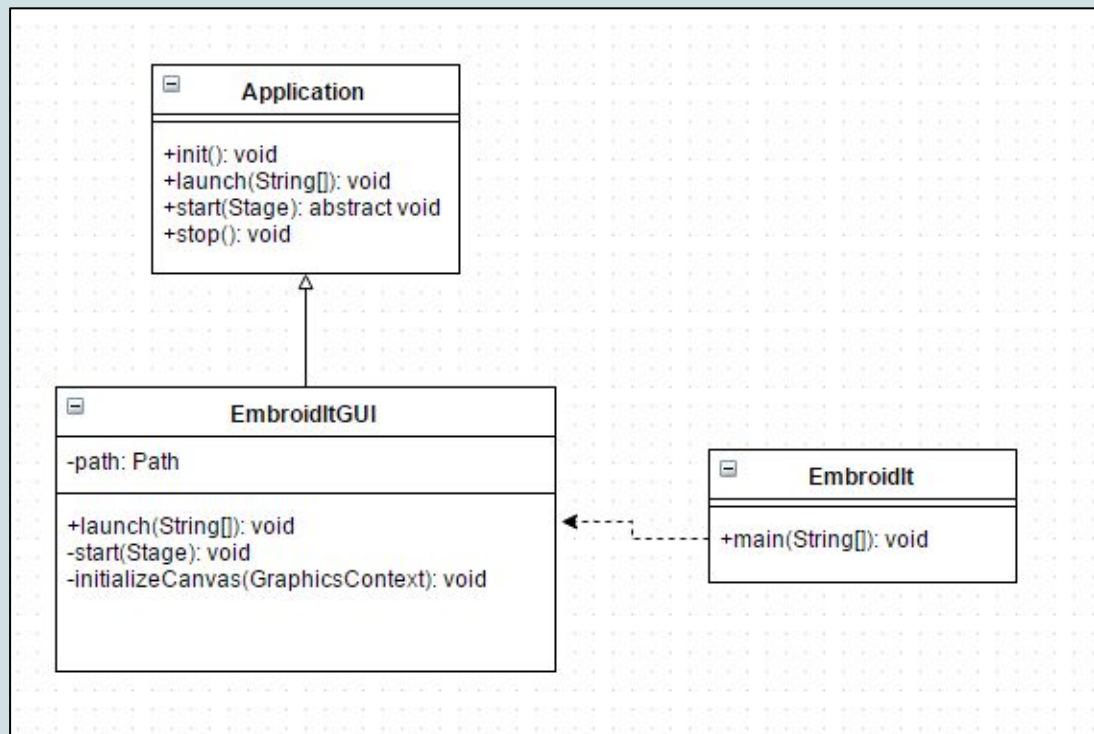
- Left Bar: Shape Options.
- Top Bar: Menu Bar.
- Bottom Bar: Color Options.
- Right Bar: Line segment tracking and editing.

Graphics User Interface



GUI Overview

- Extends from Application.
- Nodes are contained within the BorderPane class.

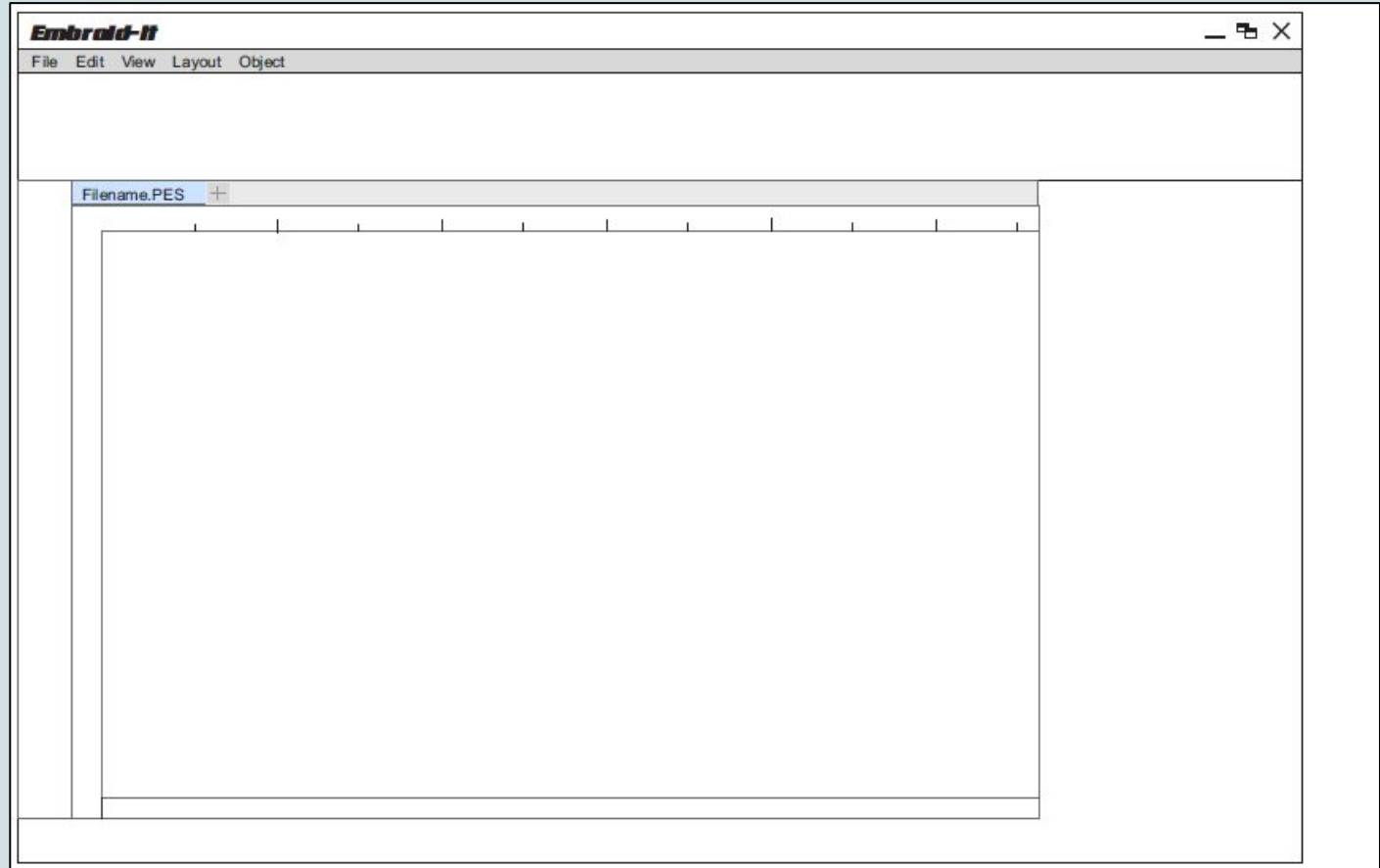


Look and Feel (GUI Design)

Future Design Considerations

- Icon size and shape.
- Adjustable bar frames.
- Docking, tabbing.
- Class styling vs CSS Styling.

Early GUI Mockup



Moving Forward (What's Next)

Projected Alpha Goals: (Minimum Use Cases)

Read

- Decode all .PES file information.
- Construct basic patterns from .PES Format.

Draw

- Stitch Lines. (Paths)
- Shapes that flip, rotate, and scale x y values independently.

Fill

- Parallel Lines. (Satin)
- Radiating from a central point.

Design

- Intuitive User Interface.

Considerations

- Does the current approximation of layout and design conform to expectations?
- Is there anything we need to change or course correct?
- Information about the machine the client has access to.



Client Contact

Now is a great time to touch base with our client and get feedback on the direction and results of our research.



