

Embroid-It

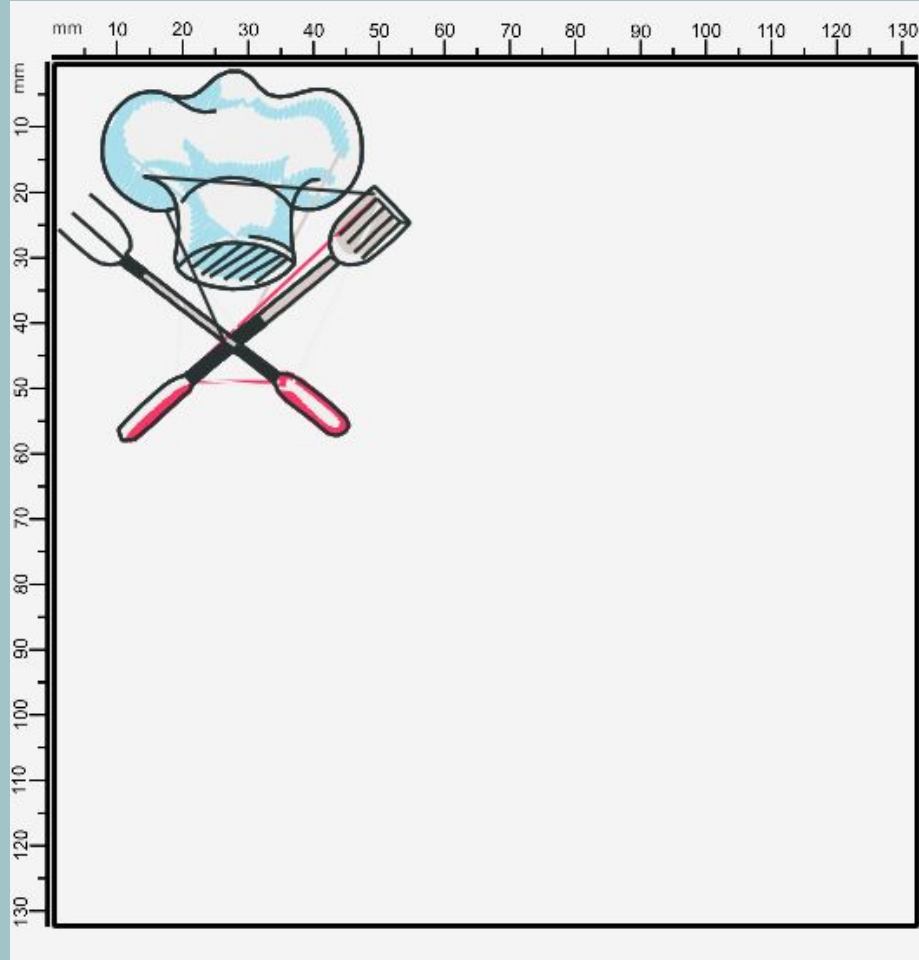
Briefing 12

Team 5: Chris Park, Trae Rawls, Nate Owens

Importing

Importing

- Imported pattern stitches are now scaled to match canvas measurements
- Thread list is now properly referenced in the controller class and colors are corrected.
- Stitches are encased in a bounding box after import, which is then used to align the pattern with top and left edges of canvas. The bounding box methods could also be used to move the pattern as a whole.



File Management

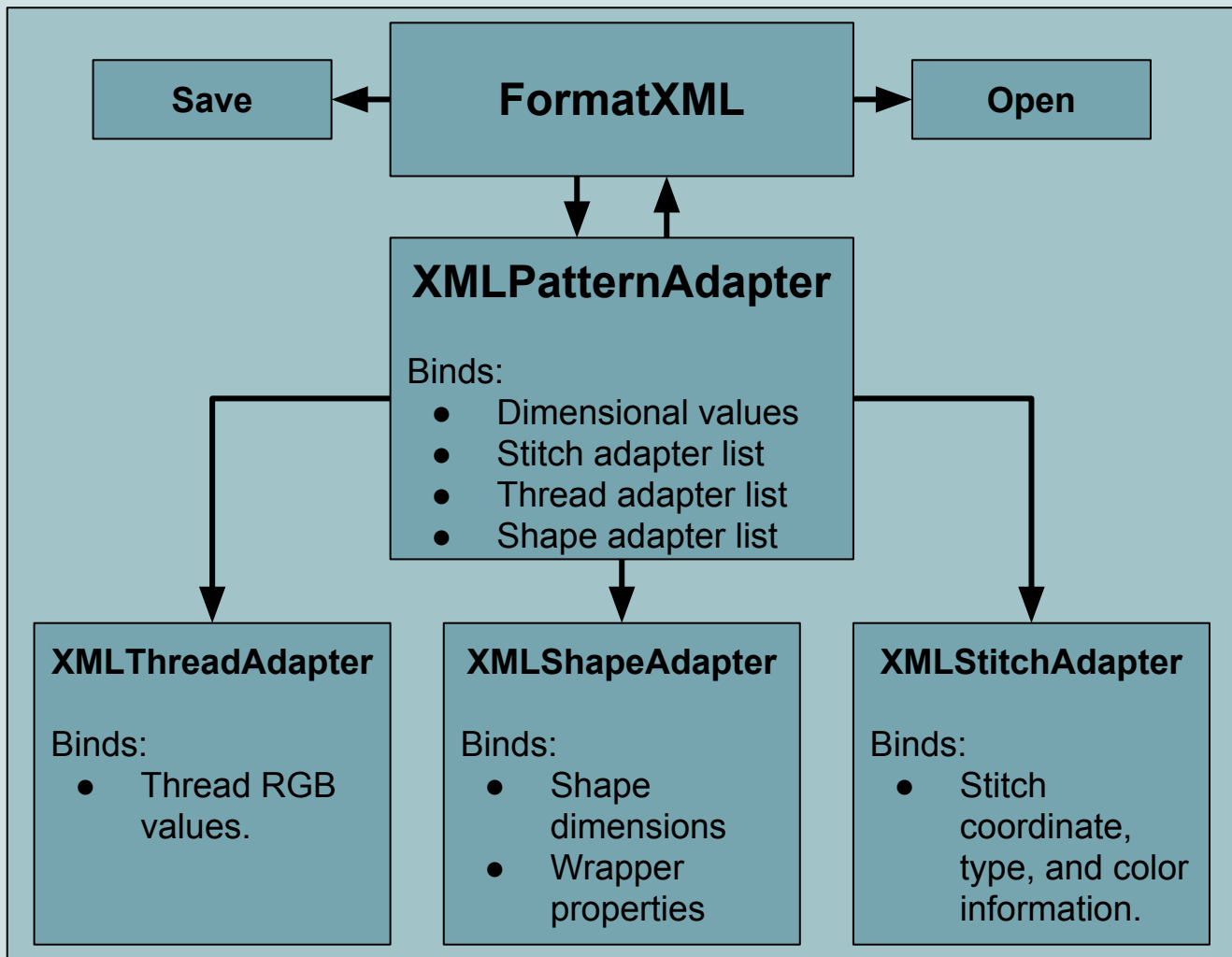
XML Data Binding

JavaFX objects do not directly support Serialization or XML marshaling. Adapters have been created to work around this limitation.

Adapter classes created:

- FormatXML
- XMLPatternAdapter
- XMLStitchAdapter
- XMLThreadAdapter
- XMLShapeAdapter

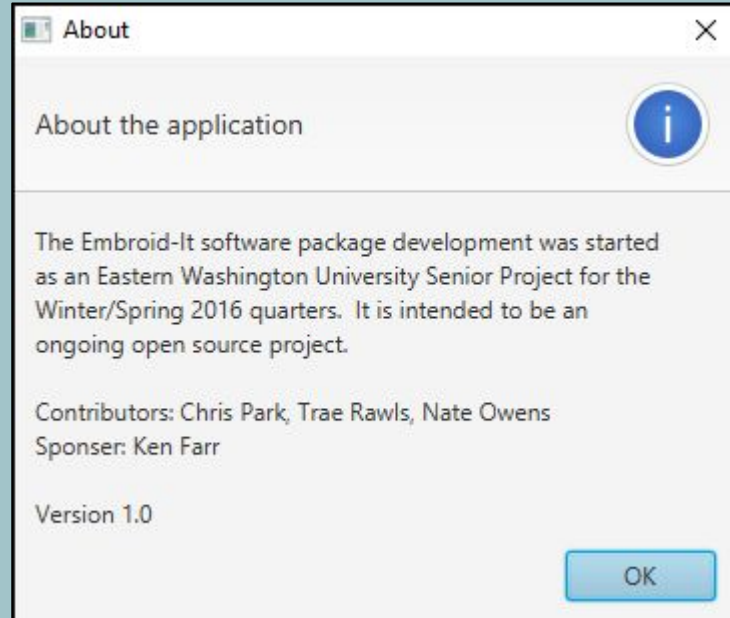
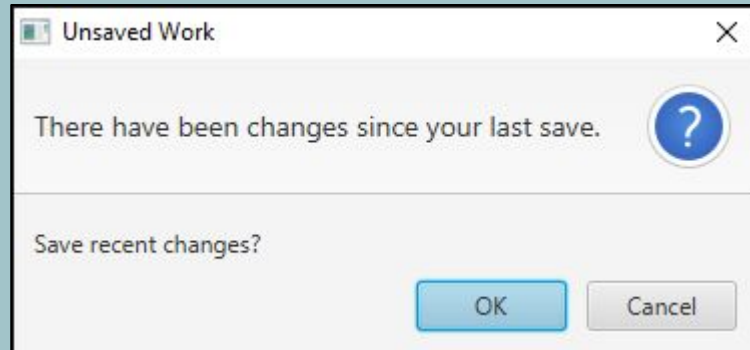
Saving now tested and integrated.



Dialogs

Popup Dialogs:

- Save Current Work
 - Reminder to save work before executing file operations.
- About Section
 - Information about the project.



Distribution

Repository

- Dedicated repository and email for open source distribution.
- BSD 3-Clause license.
- Read me sections created.
 - About the project
 - Contributors
 - Documentation
 - Installation
 - Acknowledgments

The screenshot shows the GitHub repository page for **Embroid-It / embroidit**. At the top, there are buttons for **Unwatch** (4), **Star** (0), and **Fork** (0). Below this is a navigation bar with links for **Code**, **Issues** (0), **Pull requests** (0), **Wiki**, **Pulse**, **Graphs**, and **Settings**. The main heading is **Open source editing software for machine embroidery. — Edit**. Below this, there are statistics: **8 commits**, **1 branch**, **0 releases**, and **1 contributor**. A bar contains buttons for **Branch: master**, **New pull request**, **Create new file**, **Upload files**, **Find file**, and a green **Clone or download** button. Below the bar is a table of recent commits:

Commit	Message	Time
Embroid-It Update README.md		Latest commit 1d6ac46 2 days ago
LICENSE	Create LICENSE	4 days ago
README.md	Update README.md	2 days ago

Below the table is a section for the **README.md** file. The title **Embroid-It** is in large bold text. The description reads: "Embroid-It is an open source editing software for use in machine embroidery design. The application was started by a group of undergraduate students at Eastern Washington University as a senior capstone. Written in Java, the application uses the JavaFX API for shape representation, and has support for the PES file format. The project is provided as open source under the BSD 3-Clause license."

User Interaction

Undo

Multiple Undo:

- Successive undo operations can now be activated, allowing a user to step backwards through their changes to a pattern.

Action List

Action 1

Action 2

Action 3

Action 4

Least Recent

Undo the most recent action in the list, so long as an action is available to be undone.

Most Recent

Continuing Work

Documentation

SRS Updates:

- Continual revision checks.
- UML Updates.
- User Help documentation.
- Javadocs up to date.

Debug and Testing

Debug:

- Export Image preview.
- Pre-post storage shape scaling. (Heap space use reduction)

Testing:

- Program flow testing.
 - Edge cases.
 - Expected behaviors.
- Pattern reconstruction from XML.

Implementation:

- Visual design improvements.
 - Button skinning
 - Better treatment of empty space.

Project Management

Repository:

- Add source files to the main repository and organize their representation.
- Expand on readme information.
- Prepare installation procedure and instructions.

