



# Form Buster - Milestone 5

...

Daniel Acosta, Christopher DeMuro, Alex Merino,  
Luka Miodrag Starčević

# Milestone 5 Overview

Task	Completion	Daniel	Chris	Alex	Luka	To-Do
Implement, Test, Demo Form Templates	100%	0%	100%	0%	0%	N/A
Implement, Demo, Test Forms in the Inbox	90%	100%	0%	0%	0%	Send notifications based on signature graph, expand notification details when clicked on
Implement, Test Signature Graph	80%	0%	0%	100%	0%	
Implement, Test Completing a Signature	100%	0%	0%	100%	0%	N/A
Conduct Evaluation and analyze results	50%	33%	33%	33%	0%	Continue evaluation while system nears completion
Create Poster for Design Showcase	100%	25%	25%	25%	25%	N/A
Fix form editor's issues due to quill formatting	95%	0%	0%	0%	100%	Certain formatting is not being saved currently, such as text alignment

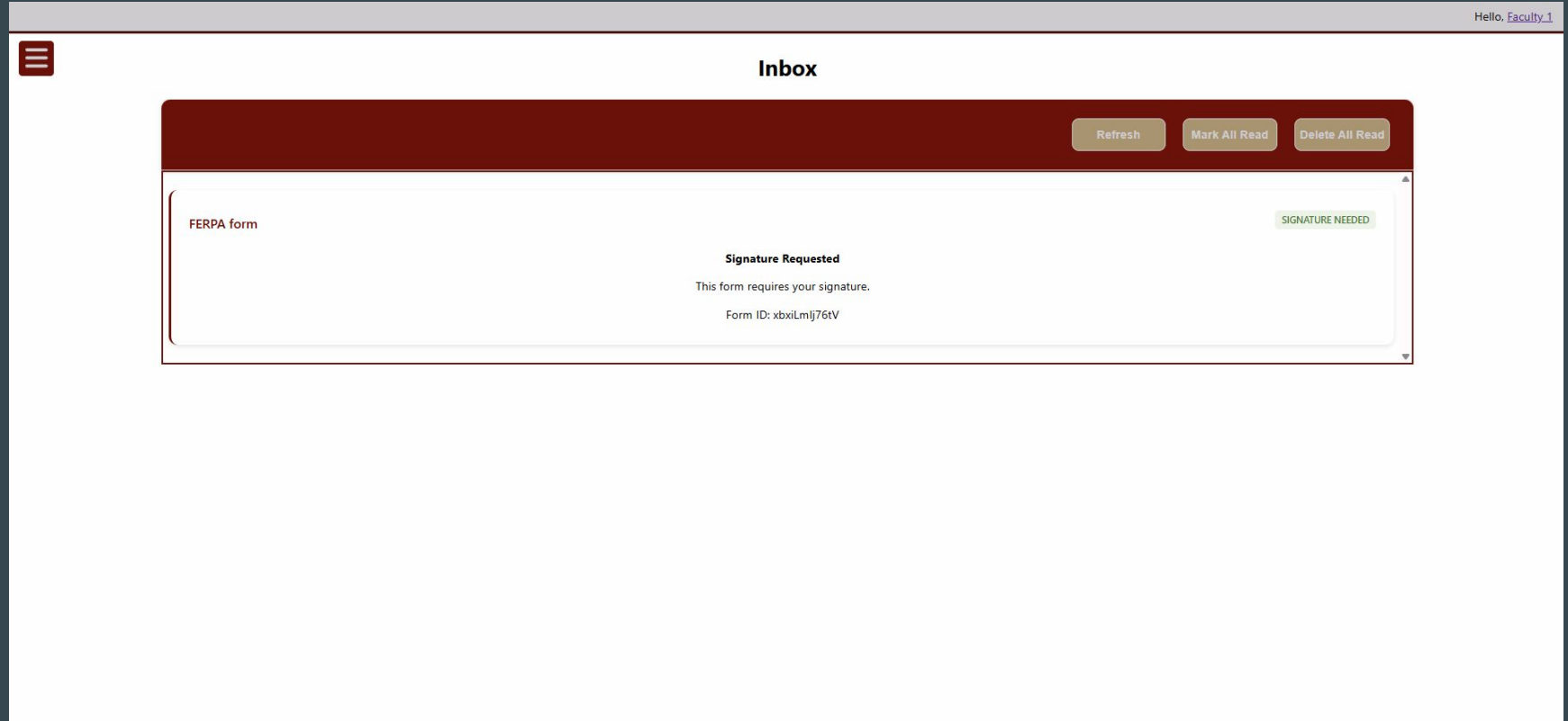
# Form Templates

- New form templates implemented
  - Request to Retake
  - Course Waiver Request
- Autofill tested and working
  - Name
  - Email
  - Student ID Number
  - Date
- Saving tested and working
  - Signature recorded in database

# Inbox / Notifications

- **Visual update to the inbox interface**
- **New features added:**
  - Read messages directly in the inbox
  - Clear read messages
  - Refresh button for new notifications
  - Dynamic notification styles
- **Two notification types:**
  - Form approval/disapproval
  - New form assigned to signee

# Inbox / Notifications Visual



# Signature Graph

- **Web responsiveness with different screen sizes**
- **User information displayed for signatures in the graph**
  - More detailed information when a node is clicked
- **Form with data and signatures can be viewed**
  - Easily accessed from Signature Graph page
- **Further Work:**
  - GUI tutorial / section on how to use the graph

[Signature Graph Demo](#)

# Signing a Form

- **Users can sign or decline an active form**
  - If users decline, they must provide a reason why
- **Signatory can view data in the form before signing**
- **Further Work:**
  - When the last signature is signed, move the form to a completed database

Form Signing Demo

# Form Editor

- Fixed database/editor formatting conversion issues
  - ReactQuill was stripping the css data we were using to convert the input placeholders in the editor to the actual input fields that we store in the database
- Added a preview mode to the editor that immediately displays the exact formatting that is used when signing the form
- Standardized form formatting, so every form will be displayed the same (previously some forms had their own internal css)
- Minor UI improvements and bugfixes

[Preview demo](#)



# Evaluation Results

- All test cases from our test plan for functional requirements passed
- GUI test cases are at around 75%
  - Disappearing menus on some pages when scrolling
- User testing:
  - Testers signed up as a student and completed a form and viewed signature tree in under 3 minutes
  - Testers signed up as an advisor, signed a form, and viewed changes in under 3 minutes
  - Testers signed up as an administrator, viewed a form, and deleted it in under 2 minutes
- User Feedback:
  - Intuitive GUI without too much clutter
  - Form templates are long, could be shrunk

# Poster

Poster.pptx

# Milestone 6 Tasks

- **Implement, test, and demo Signature Graph:**
  - Continue updating the GUI
  - Implement graph logic based on form data
- **Implement, test and demo 'paused' forms:**
  - Add a new database schema to hold 'excluded' forms
  - Add to Form Tracker
  - Only administrators can 'pause' a form
- **Implement, test, and demo Inbox Notifications:**
  - Incorporate Signature Graph logic to inbox notifications
  - Display a popup showing more details about a notification
- **Implement, test, and demo GUI fixes:**
  - Many visual bugs throughout GUI
  - Pushed aside in favor of functionality of the web application
- **Implement, test, demo Saving Forms in Editor:**
  - Ensure forms are saved with all of the correct information
  - Updating a form overwrites the previous template.
- **Test/demo of entire system:**
  - Tests are in accordance with the test cases laid out in the test plan
  - Bugs or errors found during testing will be fixed
- **Conduct Evaluation and analyze results:**
  - Continue our evaluations of the system through user testing
- **Create User/Developer Manual**
- **Create Demo Video**
  - Will demonstrate functions for all user types

# Milestone 6 Task Matrix

Task	Daniel	Chris	Alex	Luka
Implement, test, and demo Signature Graph	0%	0%	100%	0%
Implement, test and demo 'excluded' forms	0%	0%	100%	0%
Implement, test, and demo Inbox Notifications	100%	0%	0%	0%
Implement, test, and demo GUI fixes	0%	100%	0%	0%
Implement, test, demo Saving Forms in Editor	0%	0%	0%	100%
Test/demo of entire system	25%	25%	25%	25%
Conduct evaluation and analyze results	25%	25%	25%	25%
Create user/developer manual	25%	25%	25%	25%
Create demo video	25%	25%	25%	25%

# Any Questions?



...