



Form Buster - Milestone 4

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

Milestone 4 Overview

Task	Completion	Daniel	Chris	Alex	Luka	To-Do
Implement, Test Form Tracker	95%	0%	0%	100%	0%	GUI cleanup
Implement, Test Active Forms	80%	0%	0%	100%	0%	Figure out logic for who needs to sign a form
Implement, Test Signature Graph	60%	0%	0%	100%	0%	Make graph responsive, show details when hovering a signature
Implement, Test Form Autofill	50%	0%	0%	100%	0%	Standardize form input names across all form types
Implement, Test User Authentication	100%	0%	100%	0%	0%	None
Implement, Test, Demo Admin Deletion of Form	100%	0%	0%	100%	0%	None
Implement, Test Inbox Messages	60%	100%	0%	0%	0%	Add reading of messages, clearing of inbox, refresh button, send notifications based on signee graph

Inbox / Notifications

- Inbox Message schema added to database for storing notifications
- When a form is created, notifications are sent to the signees
- Frontend GUI displays inbox notifications in the inbox
 - Need to add reading/clearing of inbox messages
 - Need to send notifications based on current level of signee graph
 - Need to send notification when form is completed by signees

Inbox / Notifications

Hello, [Faculty 1](#)



Inbox

Refresh

Mark All Read

Form ID: q50m981e3xdn

Rejected: False

Reason:

Read: False

Form Tracker

- Frontend GUI was connected to backend server
- Modularization of Form Tracker components
- Modify backend to help supply information correctly
 - Restructuring of Signature, FormTemplate, and User schemas
- Addition of warning sign
 - For users who have not signed a form
 - Logic to determine when displayed still needed

Signature Graph

- A simple proof of concept demo created
- Nodes are colored based on signature status (signed, unsigned)
 - Links between nodes also provide context of signature status
- Work to be done:
 - Web-responsive
 - Signature information on hover/click
 - Better GUI layout

Form Tracker, Signature Graph, Autofill Demo

[Form Tracker Demo Video](#)

Admin Deletion of Forms

- Administrators can delete forms in the Form Tracker
 - Admins can see all active forms
- Deletion removes all traces of form and signatures from database
- Only administrators can access the delete button

[Admin Deletion Demo Video](#)

User Authentication

- User authentication has been fully implemented
- Incorrect sign-in information is now rejected
- The user is presented with an “Incorrect Password” error message
- Per-user sign-in context is now handled appropriately

Milestone 5 Tasks

- **Implement, Test, Demo Form Editor:**
 - Users will be able to create, manage, and add content to form templates
 - Users will be able to see a form preview in the editor
- **Implement, Demo, Test Updating a Form:**
 - Users can update an already existing form template
- **Implement, Demo, Test Forms in the Inbox:**
 - Backend retrieval of forms sent to the inbox
 - Notification of new forms that need to be signed in faculty inboxes.
 - Form notifications will have an optional attached note explaining the form's outcome
- **Implement, Test Signature Graph:**
 - Web responsive graph
 - Show information when node is hovered/clicked
- **Implement, Test Completing a Signature:**
 - Users can sign/decline a form
 - Users can write a comment on why the form was declined
 - Ensure security and integrity of form data
- **Conduct Evaluation and analyze results:**
 - User evaluation testing
- **Create Poster for Design Showcase**

Milestone 5 Task Matrix

Task	Daniel	Chris	Alex	Luka
Implement, Test, Demo Form Editor	0%	0%	0%	100%
Implement, Demo, Test Updating a Form	0%	100%	0%	0%
Implement, Demo, Test Forms in the Inbox	100%	0%	0%	0%
Implement, Test Signature Graph	0%	0%	100%	0%
Implement, Test Completing a Signature	0%	50%	50%	0%
Conduct Evaluation and analyze results	25%	25%	25%	25%
Create Poster for Design Showcase	25%	25%	25%	25%

Any Questions?



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