

Form Buster: Web-based Form Tracking System

Daniel Acosta, Christopher Demuro, Alex Merino, Luka Miodrag Starcevic

Faculty Advisor: Dr. Phillip Bernhard Dept. of EECS, Florida Institute of Technology

Goal and Motivation

- Form Buster's goal is to create a centralized system that allows for students, advisors, and administrators to start and track university forms
- Current PDF system at Florida Tech is outdated, slow, and has no way of informing students when a form of theirs is processed
- The schools registrar can create or modify forms through the web application's form editor

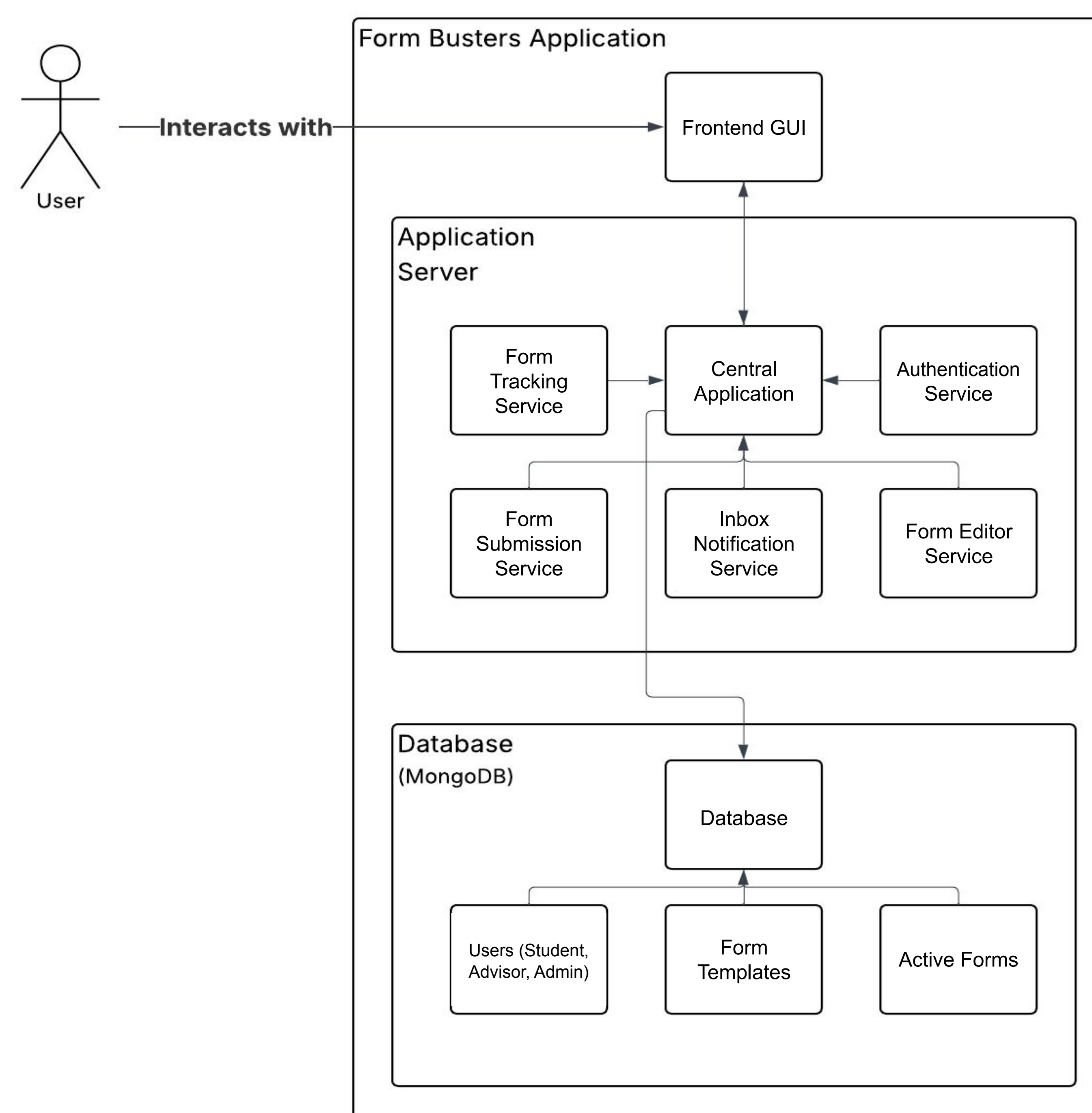
Approach/Methods

- Modularize components of the web application to allow for dynamic insertion of forms and inputs
- Separation of user types and functions through a custom registration system that captures student and staff data
- Simplify user accessibility through functionalities such as input autofill and dynamic viewing options

Implementation/Tools



System Architecture



Form Tracker GUI

Form Tracker		
FERPA Form Date Created: 4/19/2025, 7:56:23 PM	● ● ●	! Please sign this form! Days since signature required: 187
FERPA Form Date Created: 9/11/2025, 10:16:03 AM	● ● ●	! Please sign this form! Days since signature required: 43
Undergrad -> Graduate Course Form Date Created: 10/23/2025, 3:58:09 PM	● ● ● ●	
FERPA Form Date Created: 10/23/2025, 8:59:40 PM	● ● ● ●	
Course Waiver Request Date Created: 10/24/2025, 3:52:11 PM	● ● ● ●	

- The Form Tracker is displayed above, with sample forms
- Required signatures and their statuses are displayed for each form
- Warnings will popup for those who have not signed

Features

- Users can track the status of a university form, see what users need to sign the form and view the form at its current status
- Administrators can create and manage registrar forms in the Form Editor
- Users receive notifications when a signature is need or when a form is completed.

Evaluation Results

- Functional and nonfunctional test cases laid out in the system's test plan pass
- Testers find the GUI layout intuitive and simple to use
- Sensitive information is secure and database quickly and reliably accesses and displays information

Future Work

- The Form Editor is functional, but there are still components and functions that an be added to make a fully fledged editor
- Hooking up the application backend to a server and sending email notifications is another extension to the web application that can be implemented