

UNIVERSITY OF BELIZE FORMFLOW

INTERACTIVE
HI-FI PROTOTYPE



CMPS3141-P07-25S1
PHASE 7

PREPARED BY:
Andres H.
Tysha D.
Jennessa S.

DATE:
10 DECEMBER, 2025

Declaration of Use for Generative AI in Assessments

I hereby declare that in the planning, drafting, and/or revision of the work attached, I have made use of Generative AI tools in the following ways:

Acknowledgement of Generative AI Tools Used

- For brainstorming,
- To find sources.
- To plan the structure/outline of the work.
- To generate programming code.
- To generate translations of primary/secondary source content for consultation.
- To generate translations included in the submitted work, whether or not manually revised.
- To improve the language of my own phrases, sentences, and/or paragraphs.
- To generate the text of (part of) the submitted work.

Acknowledgement of Assessment Submission

I, **Andres Hung, Jennessa Sierra, and Tysha Daniels**, hereby confirm that on **December 9, 2025**:

1. I am the author of this submitted document.
2. I am responsible for any AI-generated errors or fabrications.
3. I understand the limitations and risks of using AI.
4. I used AI tools ethically, protecting all sensitive information.
5. I ensure any AI-assisted work remains originally my own.
6. I have appropriately acknowledged all use of generative AI.
7. Undeclared AI use constitutes academic dishonesty, which I acknowledge.
8. I am accountable for any resulting academic misconduct.

Add more rows to the table as needed to include ALL tools used in the creation of your assessment submission.

Generative AI Tool Used (Please List Each Separately)	Purpose of Use	Briefly Explain the Extent of Use
Grammarly (UB)	Typos	For revising the report.
Google Antigravity	Code generation	After programming and configuring the initial codebase and Supabase database as a scaffold, we used Antigravity for iterating from screenshots of our medium-fidelity and low-fidelity prototypes. All results were polished manually afterwards and customized for our database.
GitHub Copilot	Troubleshooting	Debugging TypeScript and component issues with Next.js.

Student Name: Andres Hung, Jennessa Sierra, Tysha Daniels

Course Code: CMPS3141

Signature: 

Student Id: 2018118240, 2021153908, 2023158020

Department: MPIT

Date: December 9, 2025

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

Table of Contents

1) Introduction	4
Project Overview	4
Problem & Solution Overview	4
2) Tasks & Final Interface Scenarios	5
a) Simple Task	5
b) Intermediate Task	6
c) Complex Task	7
3) Design Evolution	8
4) Major Usability Problems Addressed	10
a) Severity 4	10
i) Unclickable Form Entries	10
b) Severity 3	12
i) Navigation Item Positioning	12
c) Other Changes	13
i) Color Scheme	13
ii) Click Cursor Pointer	13
iii) Mobile Responsiveness	14
5) Prototype Implementation	15
Tools	15
Wizard of Oz Techniques	15
Hard-coded Data	15
Missing Features & The Future	16
6) Summary	17
Appendix	18
1) Design Evolution Images	18
Home Page	18
Form Progress	20
Form History	22
2) Heuristic Violation Severity Ratings	24
3) Links	24

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

1) Introduction

Project Overview

University of Belize (UB) FormFlow		
Team Members	Tysha Daniels Andres Hung Jennessa Sierra	[UX Designer] [Project Coordinator] [Designer & Coder]
Value Proposition	“UB FormFlow - Your forms. On-time. Hassle-free.”	

Table 1.1 - The UB FormFlow team and value proposition.

Problem & Solution Overview

UB FormFlow's mission is to enhance the form experience for students at the University of Belize, whether they are new to the university or already familiar with the school environment. Through augmenting the existing form process, greater efficiency is achieved not only for students but also for faculty and staff. Students often struggle to find the correct forms at the right times, and when they do submit a form, uncertainty presides in its status and progress. Furthermore, through disorganization or other circumstances, lost forms can pose a potentially significant problem. UB FormFlow consolidates relevant forms and provides students with a central hub for tracking their forms.

Through UB FormFlow, the transparency of the form process is ultimately enhanced. Figure 1.1 below visually showcases the problem and how UB FormFlow fits as the solution.

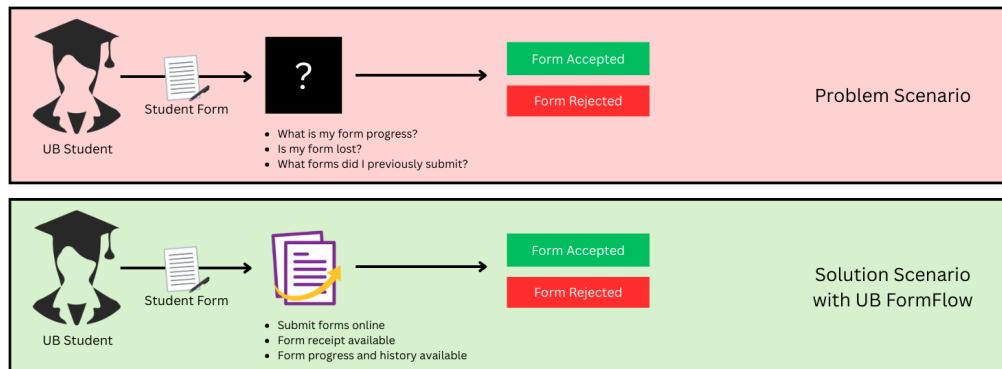


Figure 1.1 - UB FormFlow's solution approach to the problem.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

2) Tasks & Final Interface Scenarios

a) Simple Task

Find out which forms I need to fill out soon.

Because some forms have deadlines that may not be immediately apparent to students (e.g., program completion must be completed one semester in advance), a visible "Upcoming Form Deadlines" section was configured to coincide with the form files in the database. This task enables students to quickly access the form and submit it promptly. Year-round forms are also included in a separate section, with all forms on a separate page. Forms with deadlines are integrated in the All Forms page. Forms with deadlines are integrated in the All Forms page.

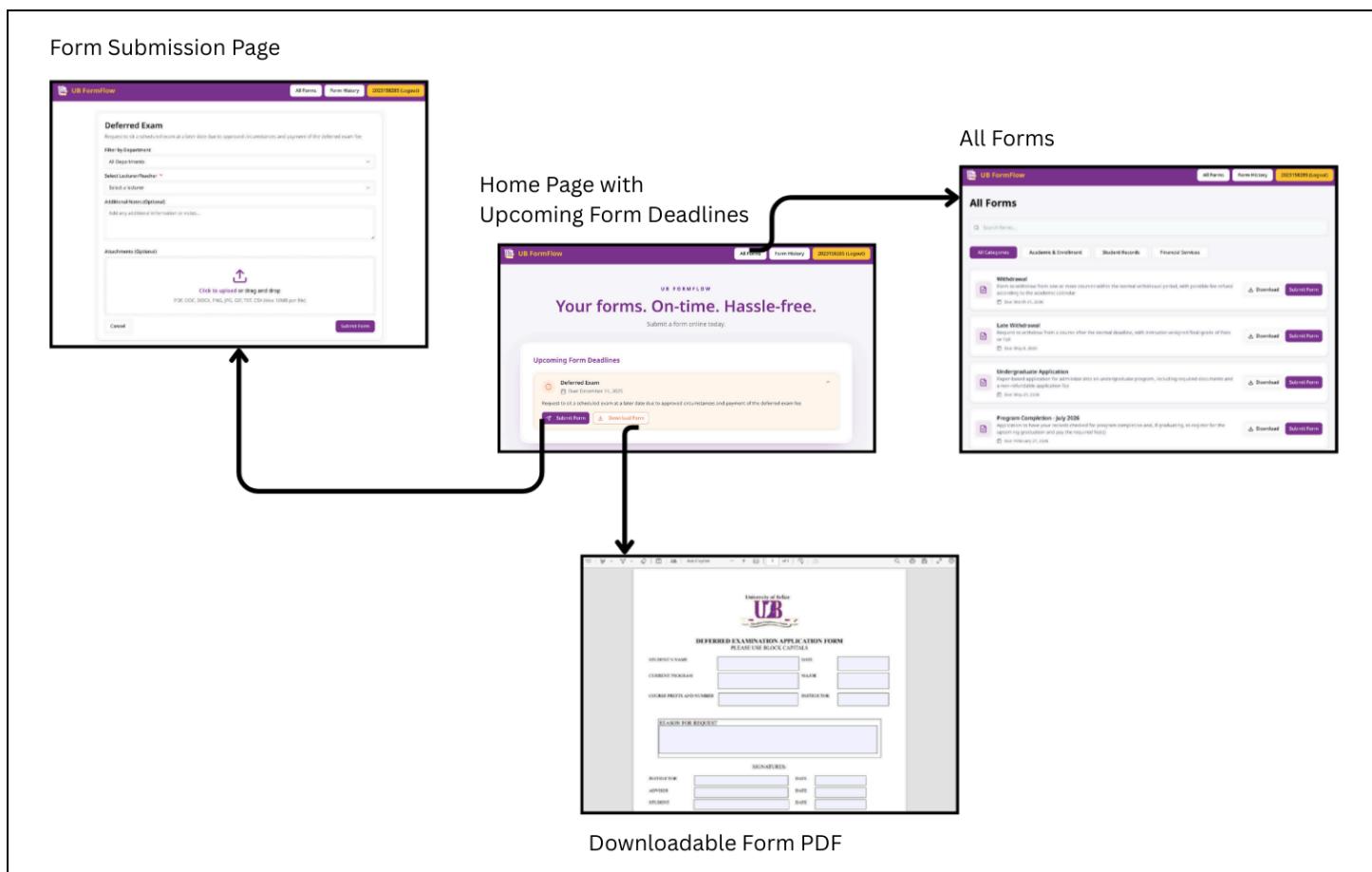


Figure 2.1 - Final Interface Storyboard for the simple task.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

b) Intermediate Task

Get confirmation and proof that I submitted my form.

For this task, a PDF document containing the receipt is generated for every form submission, which includes relevant information about the action. This task was chosen as documentation of form submissions was relegated to email documents. The receipt acts as a consistent form of documentation in the unlikely case of disputes. For example, from needfinding interviews, cases were discovered where a form was lost and not processed. Multi-step forms (e.g., program change form) and time-sensitive forms (e.g., course withdrawal forms) benefit the most from this task.

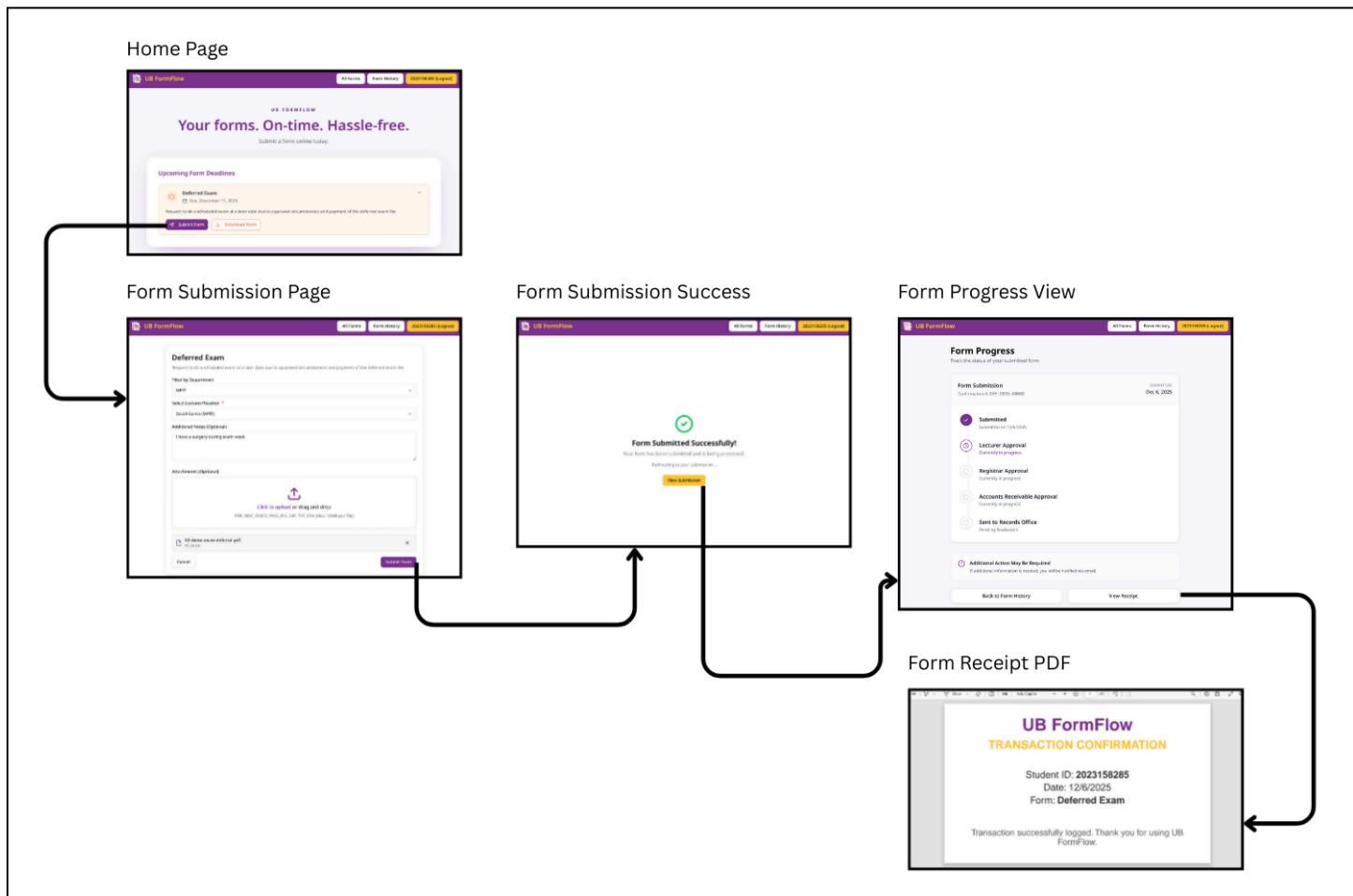


Figure 2.2 - Final Interface Storyboard for the intermediate task.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

c) Complex Task

See the progress of my ongoing forms.

Without a centralized location for forms, a student's record of submitted forms is incomplete. As discovered through needfinding interviews, email served as a means of documentation for submitting forms. However, emails often get lost in the inbox, or an email may not be received for forms submitted in person. This task focuses on maintaining a list of all forms a student has submitted, providing quick access to detailed progress, receipts, and filtering by status. The detailed views of the form progress consist of steps tailored for the particular form.

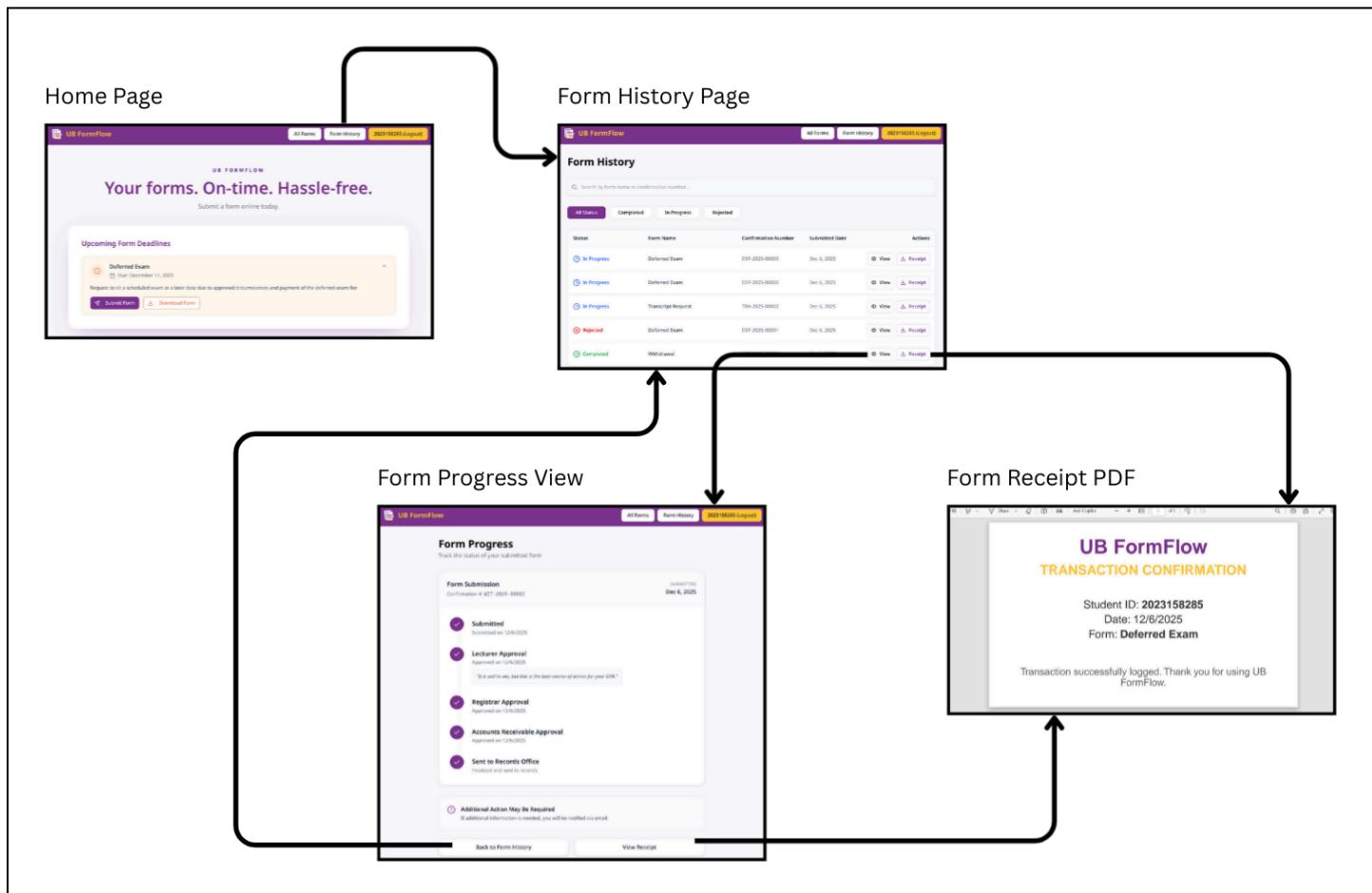


Figure 2.3 - Final Interface Storyboard for the complex task.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

3) Design Evolution

Over the course of the semester, the design of UB FormFlow was done iteratively in accordance with user-centered design principles. After conducting needfinding interviews, a low-fidelity prototype was created with paper, and user testing (formative evaluation) was conducted with it. With the results of user testing, a medium-fidelity prototype was created, and a heuristics evaluation was conducted with a variety of users for the FST STEM Fair. Following the identification of usability problems through the heuristic evaluation, the high-fidelity prototype was finalized for the course. Figure 3.1 on the following page summarizes the designed prototypes, increasing in fidelity. Showcased are the Home, Form Progress, and Form History pages. Larger individual images can be observed in the [Design Evolution Images appendix](#).

For the low-fidelity prototype, the formative evaluation technique revealed numerous design changes that were incorporated into the medium-fidelity prototype. One of the changes was a more simplified homepage for upcoming form deadlines. The table format in the low-fidelity prototype was sometimes confused with the form history table. A simpler approach, using a list design, was employed in the medium-fidelity design instead. This simplicity should make the forms with upcoming deadlines stand out more immediately to a student. Another change made was adding more information in the Form Progress steps. Users indicated that the additional context would be helpful. Other changes were made following the studio time presentation for the low-fidelity prototype. The Form Progress steps were changed from a horizontal display to a vertical display, allowing for better scaling with forms that have many steps. Text was added to icons in the Form History entries to increase clarity. Lastly, color was added to the medium-fidelity prototype.

For the changes from the medium-fidelity prototype to the high-fidelity prototype as a result of the heuristic evaluation conducted at the FST STEM Fair, refer to the [next section on Major Usability Problems Addressed](#).

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

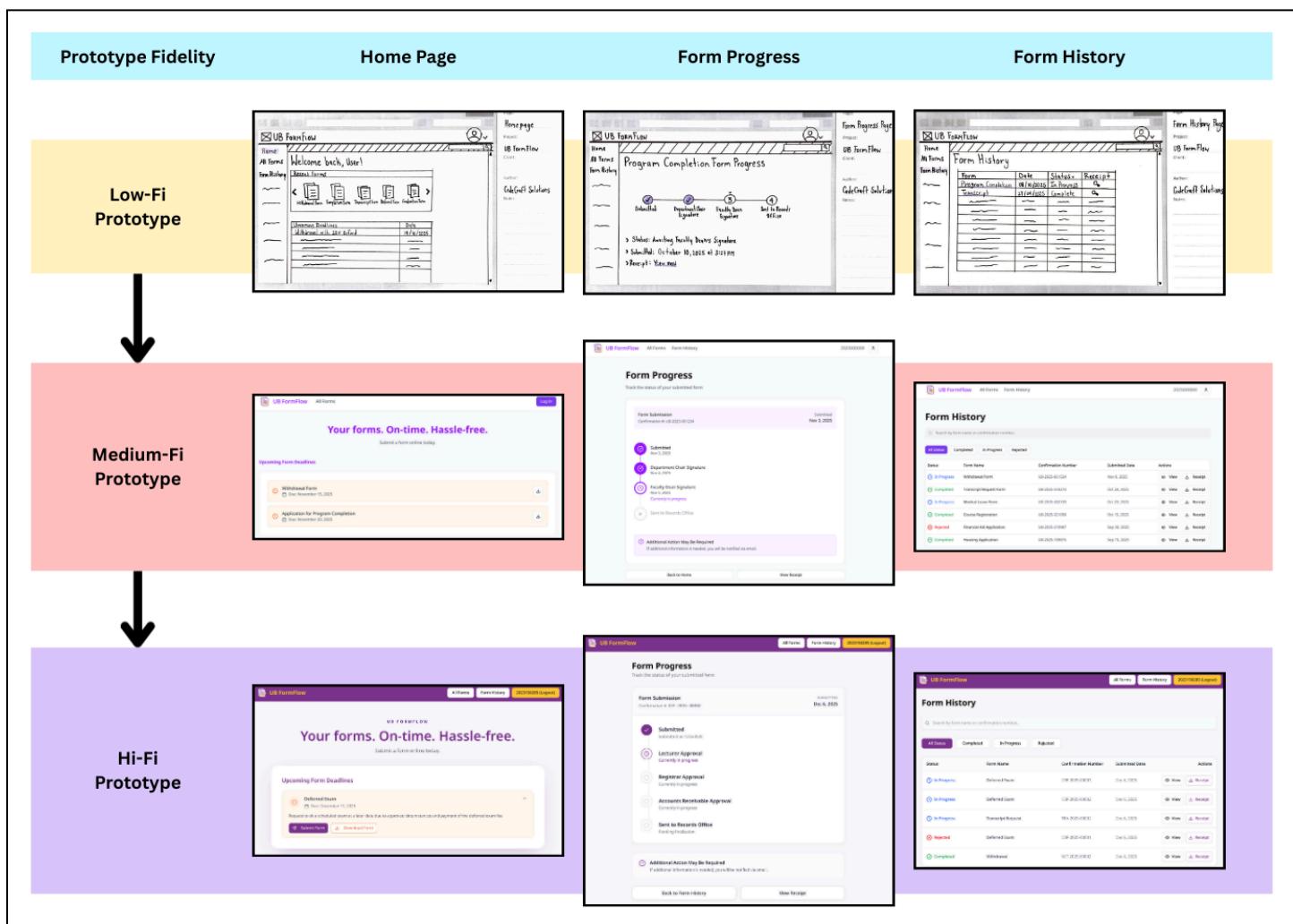


Figure 3.1 - Design evolution summary for UB FormFlow, showcasing the different prototype fidelities (row labels) for various aspects of the design (column labels).

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

4) Major Usability Problems Addressed

The major usability problems identified in the medium-fidelity prototype and addressed in the high-fidelity prototype were based on the severity ratings assigned to the heuristic violations identified during evaluation at the FST STEM Fair. Heuristic violations of severity levels 3 and 4 constituted a major usability problem (see [Appendix 2: Heuristic Violation Severity Ratings](#) for descriptions). The heuristics used are based on the Nielsen 10 Heuristics. Only 1 problem was found for severity levels 3 and 4. All other problems listed were of a lower level (1 or 2) or concerning platform implementation.

a) Severity 4

i) Unclickable Form Entries

While many users noticed the "Upcoming Form Deadlines" section on the Home Page, a very common error encountered by all users was clicking on the middle of the entry box or on the text on the left instead of the buttons for form download and submission on the right. The design of the section entries was perceived by users to afford clickability, and when nothing happened, users thought they were unable to download or submit forms online. The stylization of the entries is similar to notification messages on websites, which are typically clickable. Therefore, this problem was an issue related to the Nielsen heuristic of **Consistency & Standards**. The same problem occurred with forms in the All Forms page, whose perceived affordance of clickability was further exacerbated by the shadow effect on hover. This problem was given a severity rating of 4, as it greatly reduced the learnability of the main tasks, which involved submitting a form online.

The change made to the high-fidelity prototype was to make the entire box delineating a form entry clickable. This change was made to both the upcoming form entries on the Home Page and to the forms in the All Forms page. For the upcoming forms, clicking reveals a description and options to download or submit the form. For the All Forms page, clicking on a form takes you to its submission page. See Figures 4.a.i.1 and 4.a.i.2 on the following page for the respective changes made.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

Medium-fidelity Usability Problem

Upcoming Form Deadlines

Users clicked here, but nothing happened...

Withdrawal Form Due: November 15, 2025	<input type="button" value="Submit Form"/>
Application for Program Completion Due: November 20, 2025	<input type="button" value="Submit Form"/>

High-fidelity Usability Changes

Upcoming Form Deadlines

User can now click the entire box

Deferred Exam Due: December 11, 2025	<input type="button" value="Submit Form"/>	<input type="button" value="Download Form"/>
---	--	--

Upcoming Form Deadlines

Deferred Exam
Due: December 11, 2025

Request to sit a scheduled exam at a later date due to approved circumstances and payment of the deferred exam fee

Click

Figure 4.a.i.1 - Medium-fidelity to High-fidelity prototype change made for the Unclickable Form Entries problem in the Upcoming Form Deadlines section.

Medium-fidelity Usability Problem

All Forms

Entire area looks clickable because of shadow

Transcript Request Form Request official transcripts	<input type="button" value="Download"/>	<input type="button" value="Submit Form"/>
---	---	--

High-fidelity Usability Changes

All Forms

Entire area is now clickable (goes to Submit Form)

Withdrawal Form to withdraw from one or more courses within the normal withdrawal period, with possible fee refund according to the academic calendar Due: March 31, 2026	<input type="button" value="Download"/>	<input type="button" value="Submit Form"/>
---	---	--

Figure 4.a.i.2 - Medium-fidelity to High-fidelity prototype change made for the Unclickable Form Entries problem in the All Forms page.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

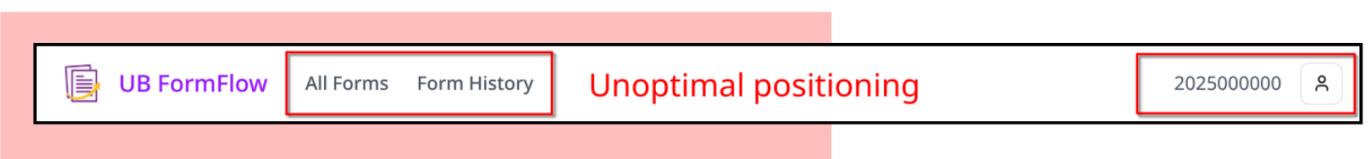
b) Severity 3

i) Navigation Item Positioning

A problem encountered during the heuristic evaluation was that users would not notice the Form History navigation item after logging into the system until a substantial amount of time had passed. The item is only available to logged-in users, and upon further investigation, it appears that a significant reason for this was the way navigation items were separated in the medium-fidelity prototype. The most immediate change after logging in was the visibility of the Student ID on the right. However, that meant that the locus of attention was situated on the right side, whereas the appearance of the Form History item occurred on the left side. In general, the saccades back and forth between the sides were also not pleasant. This problem was related to the Nielsen heuristic of **Visibility of System Status**, and can also be related to **Consistency & Standards**. In this case, the visibility of the logged-in state was diminished through the positioning of items. A severity rating of 3 was given, as not seeing the Form History option decreases the discoverability of the main tasks.

To remedy the problem, the high-fidelity prototype was modified to display all navigation items on the right side, with the logo positioned on the left side. With this change, the appearance of Form History becomes more apparent. The visibility of the Student ID was also adjusted to provide greater contrast against the other items. Overall, the design is more balanced and clear. Figure 4.a.b.1 showcases these differences between the medium-fidelity prototype and the high-fidelity prototype.

Medium-fidelity Usability Problem



The screenshot shows a navigation bar with three items: 'UB FormFlow' (with a document icon), 'All Forms', and 'Form History'. The 'Form History' item is highlighted with a red box. To the right of the navigation bar, there is a large red box containing the text 'Unoptimal positioning'. Further to the right is a user profile icon with the number '2025000000' next to it, also enclosed in a red box.

High-fidelity Usability Changes



The screenshot shows a navigation bar with three items: 'UB FormFlow' (with a document icon), 'Grouping makes nav overall more balanced', and a dropdown menu with 'All Forms', 'Form History', and '2023158285 (Logout)'. The 'Grouping makes nav overall more balanced' text is highlighted with a pink box.

Figure 4.a.b.1 - Medium-fidelity to High-fidelity prototype change made for the Navigation Item Positioning problem.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

c) Other Changes

i) Color Scheme

The color scheme from the medium-fidelity prototype did not match the UB colors and was adjusted in the high-fidelity prototype to more closely align with them. This concerns the **Aesthetic & Minimalist Design** Nielsen heuristic. See Figure 4.c.i.1 below.

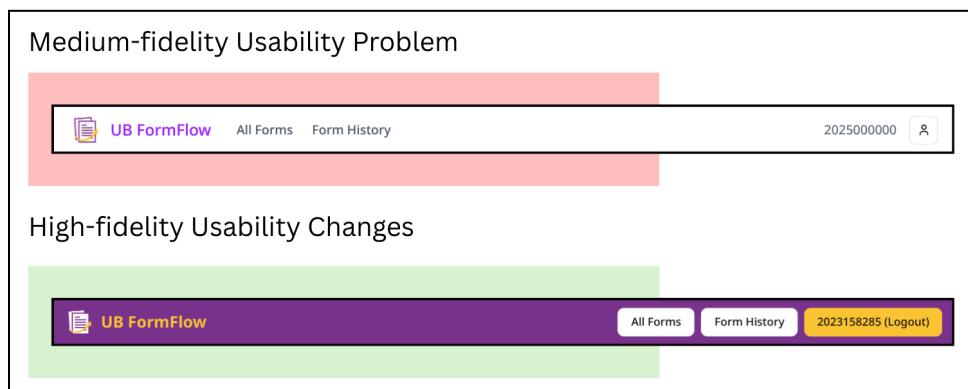


Figure 4.c.i.1 - Medium-fidelity to High-fidelity prototype change made for the Color Scheme problem.

ii) Click Cursor Pointer

In the medium-fidelity prototype, clickable items did not change the mouse cursor pointer appropriately. The high-fidelity prototype was modified to include this feature, enhancing feedback and increasing the affordance of clickability. This is a **Consistency & Standards** Nielsen heuristic issue. See Figure 4.c.ii.1 below.

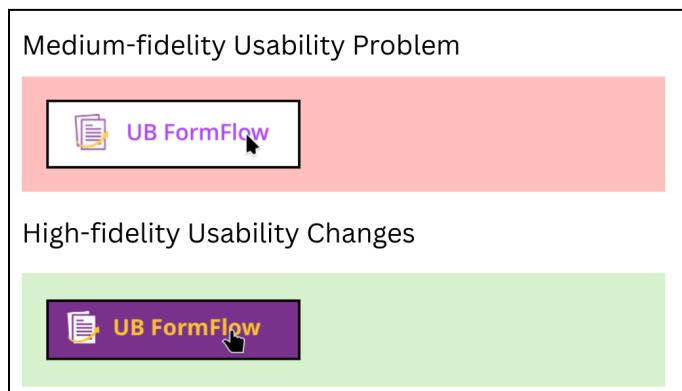


Figure 4.c.ii.1 - Medium-fidelity to High-fidelity prototype change made for the Click Cursor Pointer problem.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

iii) Mobile Responsiveness

As a web application, UB FormFlow should be responsive on mobile devices, allowing all students to access it conveniently. Mobile responsiveness was not implemented in the medium-fidelity prototype, but is now implemented in the high-fidelity prototype. This can be considered another Nielsen heuristic issue of **Consistency and Standards**, as users expect websites to be responsive on their mobile devices. See Figure 4.c.iii.1 below.

Medium-fidelity Usability Problem

High-fidelity Usability Changes

Figure 4.c.iii.1 - Medium-fidelity to High-fidelity prototype change made for the Mobile Responsiveness problem.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

5) Prototype Implementation

Tools

The high-fidelity prototype was created using the **Next.js** 16 React web framework and the **TypeScript** programming language in the **Visual Studio Code** code editor. For the prototype backend database, **Supabase** was used. To quickly compose components of the user interface, component libraries such as **Radix UI**, **Lucide React**, and **Shadcn UI** components were used for the navigation menu, buttons, accordions, and other elements. The **React PDF** node package provides functionality for generating receipt PDFs. Lastly, the **Tailwind CSS** framework was used to quickly apply preconfigured styles in accordance with the UB color scheme. In terms of AI tools, **GitHub Copilot** and **Google Antigravity** were primarily used to augment the initially programmed codebase and debug issues. Table 5.1 below elaborates on how these tools helped or not.

How The Tools Helped	How The Tools Did Not Help
<ul style="list-style-type: none"> Component libraries provided reusable assets that could be easily customized for the prototype. The Next.js framework has extensive functionality for common web application features. The extensive repositories of Node.js and NPM make it easy to find additional libraries for specific functionalities (e.g., PDF generation). AI tools sped up development time. 	<ul style="list-style-type: none"> The use of a wide variety of libraries necessitated extra configuration. Some libraries needed additional dependencies and configuration to work with TypeScript. The AI tools sometimes introduced additional bugs to the codebase. Tailwind inline classes made code files visually cluttered.

Figure 5.1 - How the tools helped or did not help.

Wizard of Oz Techniques

As a Supabase database was configured, no Wizard of Oz techniques were used for the high-fidelity prototype. The UB FormFlow web application has a codebase for the minimal functionality required for the three tasks.

Hard-coded Data

In terms of hard-coded data, a subset of the UB student forms was uploaded to the backend database and displayed in the web application. Besides that, the rest of the data is dynamically generated.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

Missing Features & The Future

Several features and functionalities were not implemented or were only partially implemented in the high-fidelity prototype. In terms of a high-level overview, while the three tasks for the project were designed and implemented successfully, they were primarily from the student's perspective. The project as a whole necessitates a proper interface for the university staff and faculty perspective. This additional perspective would probably require additional rounds of needfinding interviews and prototypes. As it currently stands, the high-fidelity prototype lacks the implementation of the "Forgot Password" feature on the login page. The generated receipt PDF file is currently simplified, missing certain items such as the form ID and the UB FormFlow logo. Adding images proved to require additional development time that was not available. AI processing of submitted forms was an additional idea meant to be implemented, but time constraints disallowed extensive experimentation. Although these features were not implemented, the current state of the high-fidelity prototype adequately covers the three main tasks for additional user testing at a more in-depth level compared to the medium-fidelity prototype.

In the future, the university staff's perspective on the UB FormFlow web application could be further developed, possibly as a separate design endeavor that builds upon this project. The other direct missing features previously mentioned would be ironed out. An additional feature that could be added in the future is a deeper integration of AI, either as part of the form processing or as part of the overall interface. Such a feature could entail basic form validation through image recognition, or form recommendations tailored to the student. Another feature to add would be more robust CRUD capabilities, such as allowing a student to delete a form they submitted or modify their submission. For the project as a whole, the codebase would be refactored and reorganized, incorporating all best practices to make the web application platform secure, efficient, and well-documented.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

6) Summary

UB FormFlow is a web application that aims to reimagine the form experience for students at the University of Belize. It provides students with a centralized place for discovering form deadlines, submitting forms online, keeping records of those form submissions, and tracking their form's progress and history. It is a user-centered design project developed iteratively throughout the semester, producing prototypes of various fidelity that were tested with users. Through formative evaluation, the low-fidelity prototype was tested, and through heuristic evaluation, problems in the medium-fidelity prototype were identified and addressed. The results obtained and design changes made ultimately led to the creation of the high-fidelity prototype. This prototype was created using the Next.js web application framework, with the three main tasks successfully implemented. This report outlines the changes made to the final high-fidelity prototype, along with future prospects for the project. Overall, the project demonstrates the design principles and lessons learned in the Human-Computer Interface course.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

Appendix

1) Design Evolution Images

Home Page

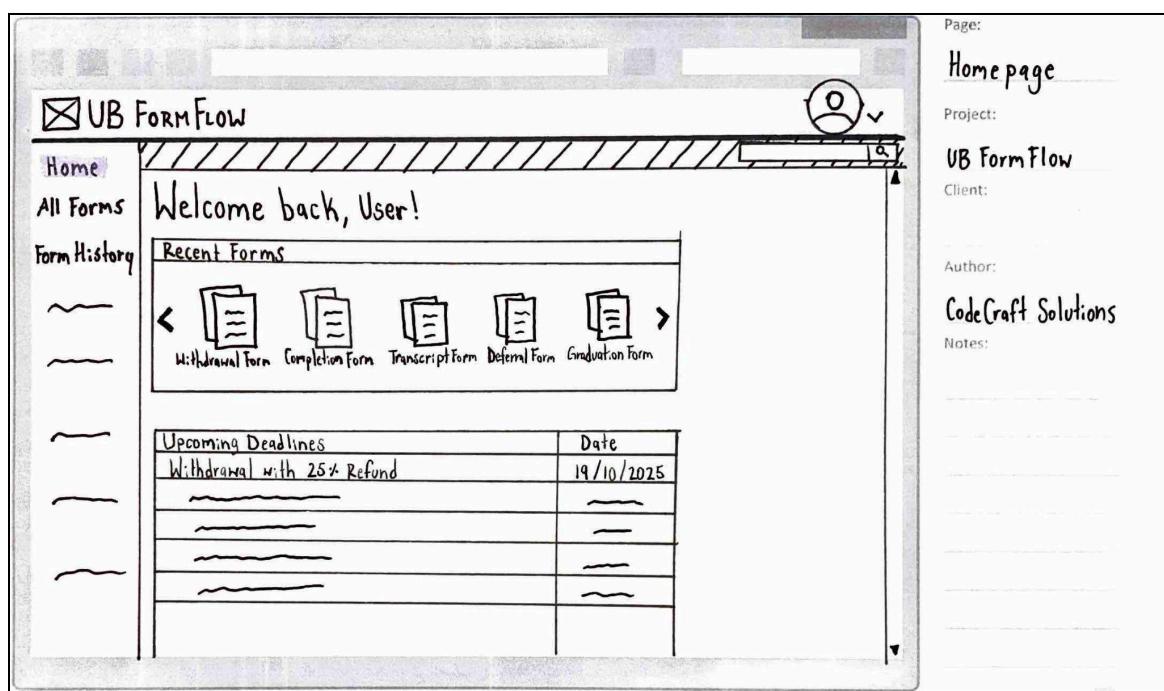


Figure A.1.1 - Low-fidelity prototype view of the Home Page.

CODECRAFT SOLUTIONS	Assignment Number	CMP3141-P07-25S1
	Course	CMP3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

The screenshot shows a medium-fidelity prototype of a web application. At the top left is the logo 'UB FormFlow'. To its right are two buttons: 'All Forms' and 'Log In'. On the far right is a purple button labeled 'Log In'. Below the header, a large blue banner features the text 'Your forms. On-time. Hassle-free.' in white. Underneath the banner, a smaller text says 'Submit a form online today.'. A section titled 'Upcoming Form Deadlines' contains two items: 'Withdrawal Form' (due November 15, 2025) and 'Application for Program Completion' (due November 20, 2025). Each item has a download icon to its right.

Figure A.1.2 - Medium-fidelity prototype view of the Home Page.

The screenshot shows a high-fidelity prototype of the same web application. The layout is identical to the medium-fidelity version, with the 'UB FormFlow' logo at the top left, 'All Forms' and 'Form History' buttons, and a purple 'Logout' button. The main content area features the 'Your forms. On-time. Hassle-free.' banner and the 'Upcoming Form Deadlines' section. The 'Deferred Exam' item from the previous prototype has been updated to 'Deferred Exam' (due December 11, 2025). Below the deadline, a descriptive text reads: 'Request to sit a scheduled exam at a later date due to approved circumstances and payment of the deferred exam fee'. At the bottom of this section are two buttons: 'Submit Form' and 'Download Form'.

Figure A.1.3 - High-fidelity prototype view of the Home Page.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

Form Progress

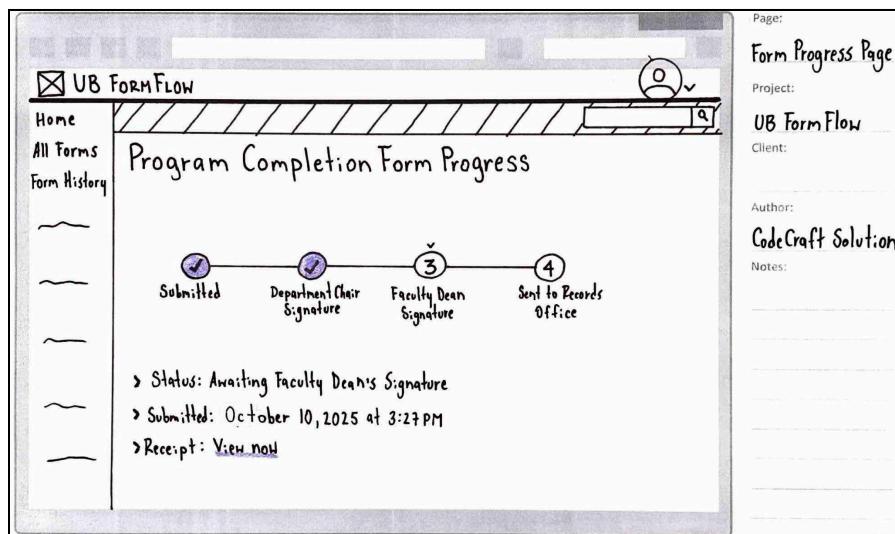


Figure A.1.4 - Low-fidelity prototype view of the Form Progress Page.

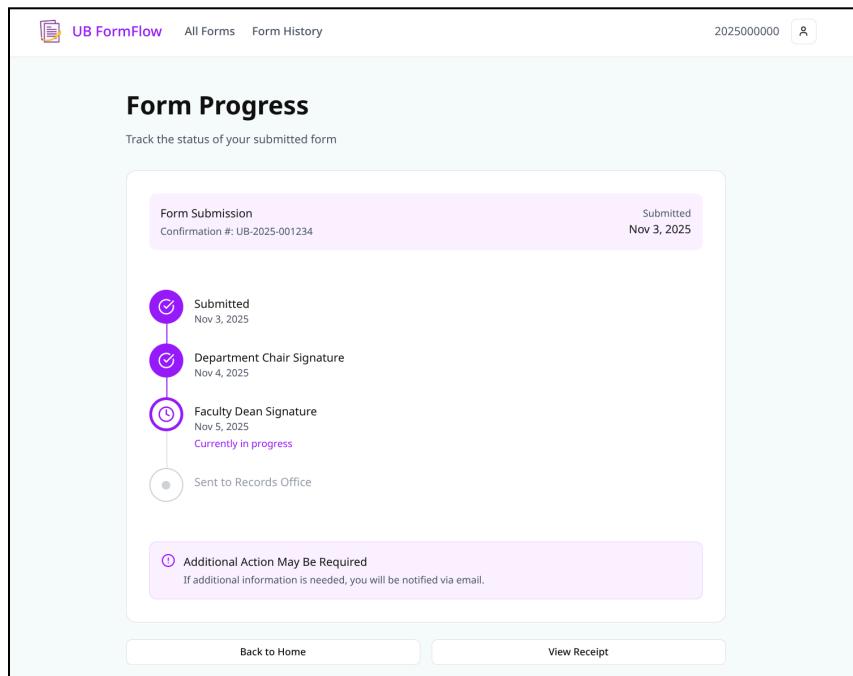


Figure A.1.5 - Medium-fidelity prototype view of the Form Progress Page.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

 UB FormFlow

All Forms Form History 2023158285 (Logout)

Form Progress

Track the status of your submitted form

Form Submission

Confirmation #: DEF-2025-00002

SUBMITTED
Dec 6, 2025

- ✓ Submitted
Submitted on 12/6/2025
- ⌚ Lecturer Approval
Currently in progress
- ⌚ Registrar Approval
Currently in progress
- ⌚ Accounts Receivable Approval
Currently in progress
- ⌚ Sent to Records Office
Pending finalization

! Additional Action May Be Required
If additional information is needed, you will be notified via email.

[Back to Form History](#) [View Receipt](#)

Figure A.1.6 - High-fidelity prototype view of the Form Progress Page.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

Form History

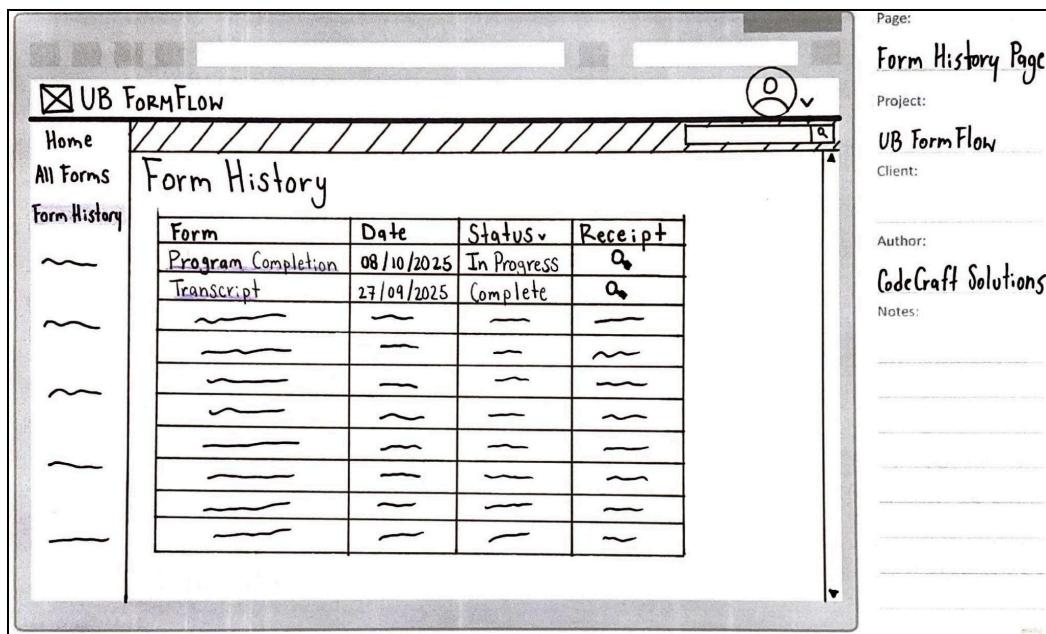


Figure A.1.7 - Low-fidelity prototype view of the Form History Page.

A medium-fidelity prototype of the Form History page. The top navigation bar includes the 'UB FormFlow' logo, 'All Forms', 'Form History', and a user icon. The date '2025000000' is also present. The main content area is titled 'Form History' and features a search bar with the placeholder 'Search by form name or confirmation number...'. Below the search bar is a filter section with buttons for 'All Status', 'Completed', 'In Progress', and 'Rejected'. The main table lists seven form entries with columns: Status, Form Name, Confirmation Number, Submitted Date, and Actions (View and Receipt buttons). The forms listed are: Withdrawal Form (In Progress), Transcript Request Form (Completed), Medical Leave Form (In Progress), Course Registration (Completed), Financial Aid Application (Rejected), and Housing Application (Completed).

Figure A.1.8 - Medium-fidelity prototype view of the Form History Page.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

The screenshot shows the 'Form History' page of the UB FormFlow application. At the top, there is a purple header bar with the 'UB FormFlow' logo, navigation links for 'All Forms' and 'Form History', and a user ID '2023158285 (Logout)'. Below the header is a search bar with placeholder text 'Search by form name or confirmation number...'. Underneath the search bar is a row of filter buttons: 'All Status' (selected), 'Completed', 'In Progress', and 'Rejected'. The main content area is a table listing five forms. Each row contains the status, form name, confirmation number, submitted date, and two action buttons: 'View' and 'Receipt'. The table columns are labeled: Status, Form Name, Confirmation Number, Submitted Date, and Actions.

Status	Form Name	Confirmation Number	Submitted Date	Actions
⌚ In Progress	Deferred Exam	DEF-2025-00003	Dec 6, 2025	⌚ View 🖨 Receipt
⌚ In Progress	Deferred Exam	DEF-2025-00002	Dec 6, 2025	⌚ View 🖨 Receipt
⌚ In Progress	Transcript Request	TRA-2025-00002	Dec 6, 2025	⌚ View 🖨 Receipt
✗ Rejected	Deferred Exam	DEF-2025-00001	Dec 6, 2025	⌚ View 🖨 Receipt
✓ Completed	Withdrawal	WIT-2025-00002	Dec 6, 2025	⌚ View 🖨 Receipt

Figure A.1.9 - High-fidelity prototype view of the Form History Page.

CODECRAFT SOLUTIONS	Assignment Number	CMPS3141-P07-25S1
	Course	CMPS3141 - Human-Computer Interface
	Semester	2025-1
	Preparation Due Date	Dec 10, 2025

2) Heuristic Violation Severity Ratings

Severity Rating	Description
1	Cosmetic: need not be fixed
2	Minor: needs fixing, but low priority
3	Major: needs fixing and high priority
4	Catastrophic: imperative to fix

Table A.2.1 - Descriptions of the heuristic violation severity ratings.

3) Links

UB FormFlow Website	https://jennxsierra.github.io/ub-formflow/
UB FormFlow High-Fidelity Prototype	https://ub-formflow-hifi.vercel.app/
UB FormFlow High-Fidelity Prototype README (GitHub)	https://github.com/andreshungbz/ub-formflow-hifi/blob/main/README.md
SPP7 Presentation	https://www.canva.com/design/DAG6MVopr4/ZDVV7YYbPAY15qkLEzCUyw/view?utm_content=DAG6MVopr4&utm_campaign=designshare&utm_medium=link2&utm_source=uniquelinks&utId=h4523c4f0cd

Table A.3.1 - Links to the website, prototype, and presentation.