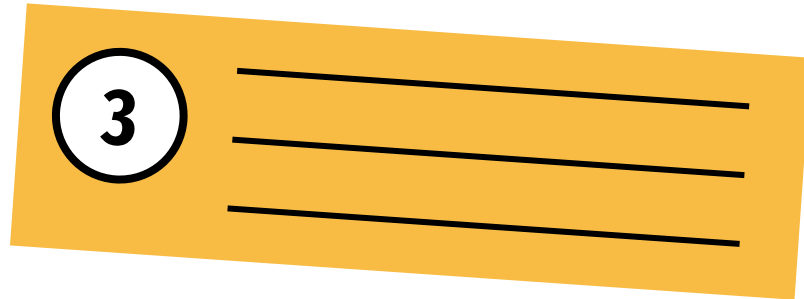


1



2



3

SPP6: Medium-Fi Prototype

UB Transfer Matrix Instructions
Melo Team

Problem/Solution Overview

Many users faced challenges when using the University of Belize's existing transfer matrix. Its inefficiency and poor navigation cause confusion and delays for students trying to transfer credits from other institutions. Melo aims to address all these issues by recreating the transfer matrix to be more streamlined and user-friendly. This will help students navigate the transfer process more effectively, make informed academic decisions, and reduce the workload for university staff, ultimately improving the overall process.

Value Proposition

Melo provides a simplified and intuitive interface for displaying transfer data at the University of Belize, helping students easily interpret and compare their course options for a smoother academic planning experience.

Mission Statement

Melo is dedicated to improving the usability and accessibility of the University of Belize's transfer matrix, ensuring that students can efficiently navigate and manage their course transfers with ease and confidence.



TASKS & INTERFACE DESIGNS

TASK 1 : Print transferable courses

SIMPLE

Use

The user can print or save their search results for future references.

Change

Information is accessible about the print function when the ? icon is hovered over

The screenshot shows a web application interface for searching transferable courses. At the top, there is a search bar and a 'Filter by:' section with dropdown menus for 'Galen University', 'Chemistry', and '2012'. Below the filters, a table titled 'Transferable Courses' displays results for Galen University and the University of Belize. The table has columns for Code, Course, and Year. A red arrow points from the 'Use' callout to the 'Print' icon in the top right corner of the table. Another red arrow points from the 'Change' callout to the '?' icon in the top right corner of the table, which is highlighted with a yellow tooltip that reads 'Export document or print for future reference'.

Galen University			University of Belize		
Code	Course	Year	Code	Course	
CHEM 150	Chemistry	2012	CHEM1015	General Chemistry I	I
CMPS151	Intro to Comp.	2012			Invalid
COMM200	BUS. PRO. COM	2012	ENGL2105	Communication Skills	T
ECON110	MICRO	2012	ECON2054	Principles of Economics	T
ENGL100	Comprehensive	2012	ENGL1014	College English I	T
ENGL101	LVL 2 English	2012	ENGL1015	College English II	T

TASK 2: General Search

SIMPLE

Use

User can search by feeder, major, institution, etc.

This functionality remains the same

The screenshot displays the 'Search' page of the University of Belize system. At the top, there is a purple header with a menu icon and the word 'Search'. The main content area has a white background. A search bar at the top contains the text 'CIS 125' and a magnifying glass icon. Below the search bar, there is a 'Filter by:' section with three dropdown menus: 'Feeder' (set to 'Feeder'), 'Major' (set to 'Major'), and 'Year' (set to 'Year'). Each dropdown menu has a question mark icon next to it. Below the filters, there is a table titled 'Transferable Courses' with a 'Print' button and a question mark icon. The table has two main sections: 'St. John's College Junior College' and 'University of Belize'. The table has six columns: 'Code', 'Course', 'Year', 'Code', 'Course', and 'Status'. The first section has two rows: one for 'CIS 125' with 'Principles of Programming I' in 2023, and another for 'CIS 125' with 'Principles of Programming I' in 2022. The second section has one row for 'CIS 125' with 'Principles of Programming I' in 2022, with a status of 'Invalid'. A chat bubble icon is visible in the bottom right corner.

St. John's College Junior College			University of Belize		
Code	Course	Year	Code	Course	Status
CIS 125	Principles of Programming I	2023			T
CIS 125	Principles of Programming I	2022			Invalid

TASK 3 : Seek Faculty Assistance

Use

User can ask for assistance from faculty via email if they cannot find answers via the website.

This functionality remains the same

The screenshot shows a web application interface for seeking faculty assistance. The header is purple with a search bar and a logo. Below the header, there is a search bar with the text "CIS 125" and a "Filter by:" section with dropdown menus for "Feeder", "Major", and "Year". A table titled "Transferable Courses" is displayed, showing columns for Code, Course, Year, and Code. The table contains two rows of data. A modal form is open on the right side of the screen, titled "Seek assistance from faculty by sending an email:". The form includes fields for Name, Email, and Message. The Name field contains "John Doe", the Email field contains "johndoe@gmail.com", and the Message field contains "I have one course that does not appear on the matrix how can I verify its validity. Thanks in advance". A "Submit" button is at the bottom right of the form. A red arrow points from the text "User can ask for assistance from faculty via email if they cannot find answers via the website." to the modal form.

Code	Course	Year	Code
CIS 125	Principles of Programming I	2023	
CIS 125	Principles of Programming I	2022	

TASK 4 : Filter and Sort Options

COMPLEX

Use

Allows users to specify their search results by feeder, major, and the year they would graduate/graduated which allows faster information access.

Changes

Information is accessible about the search fields via ? icon

The screenshot displays a web application interface for searching transferable courses. At the top, there is a search bar and a hamburger menu icon. Below the search bar, the 'Filter by:' section includes three dropdown menus: 'Galen University', 'Chemistry', and '2012'. Each dropdown menu has a question mark icon next to it. Below the filters, a table titled 'Transferable Courses' is shown. The table has two main sections: 'Galen University' and 'University of Belize'. The 'Galen University' section has columns for Code, Course, and Year. The 'University of Belize' section has columns for Code, Course, and Status. The table lists several courses, including CHEM 150, CHEM1015, COMM200, ECON110, ENGL100, and ENGL101. A red arrow points from the 'Use' text box to the search bar. Another red arrow points from the 'Changes' text box to the question mark icon next to the 'Chemistry' dropdown menu. A third red arrow points from the 'Changes' text box to the question mark icon next to the '2012' dropdown menu. A fourth red arrow points from the 'Changes' text box to the question mark icon next to the 'Galen University' dropdown menu.

Galen University			University of Belize		
Code	Course	Year	Code	Course	Status
CHEM 150	Chemistry	2012	CHEM1015	General Chemistry I	T
CMPS151	Intro to Comp.	2012			Invalid
COMM200	BUS. PRO. COM	2012	ENGL2105	Communication Skills	T
ECON110	MICRO	2012	ECON2054	Principles of Economics	T
ENGL100	Comprehensive	2012	ENGL1014	College English I	T
ENGL101	LVL 2 English	2012	ENGL1015	College English II	T



REVISED DESIGN INTERFACE

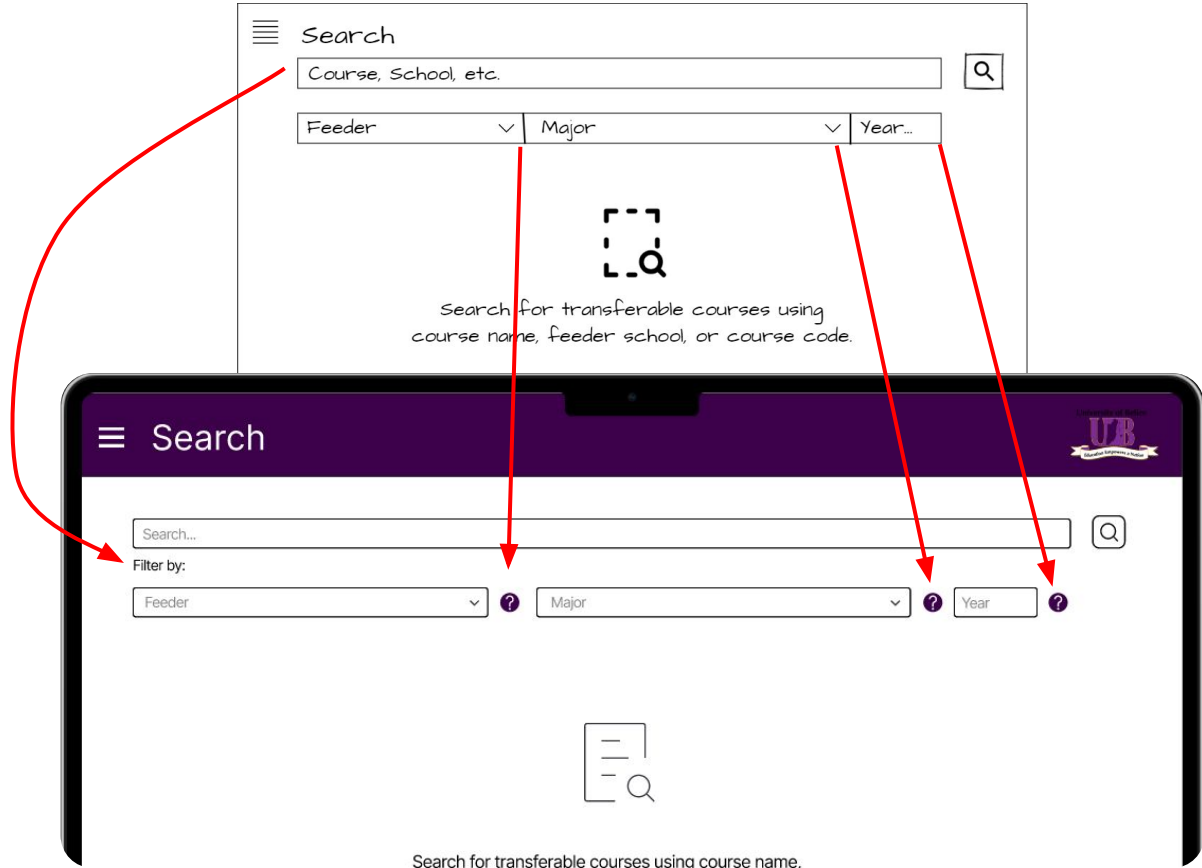
Filter and Sort Options

Problem:

Users were unsure of the search fields.

Solution:

Added popup windows to briefly explain to user what the fields are. A “Filter by” label was also added to indicate the separated search feature.



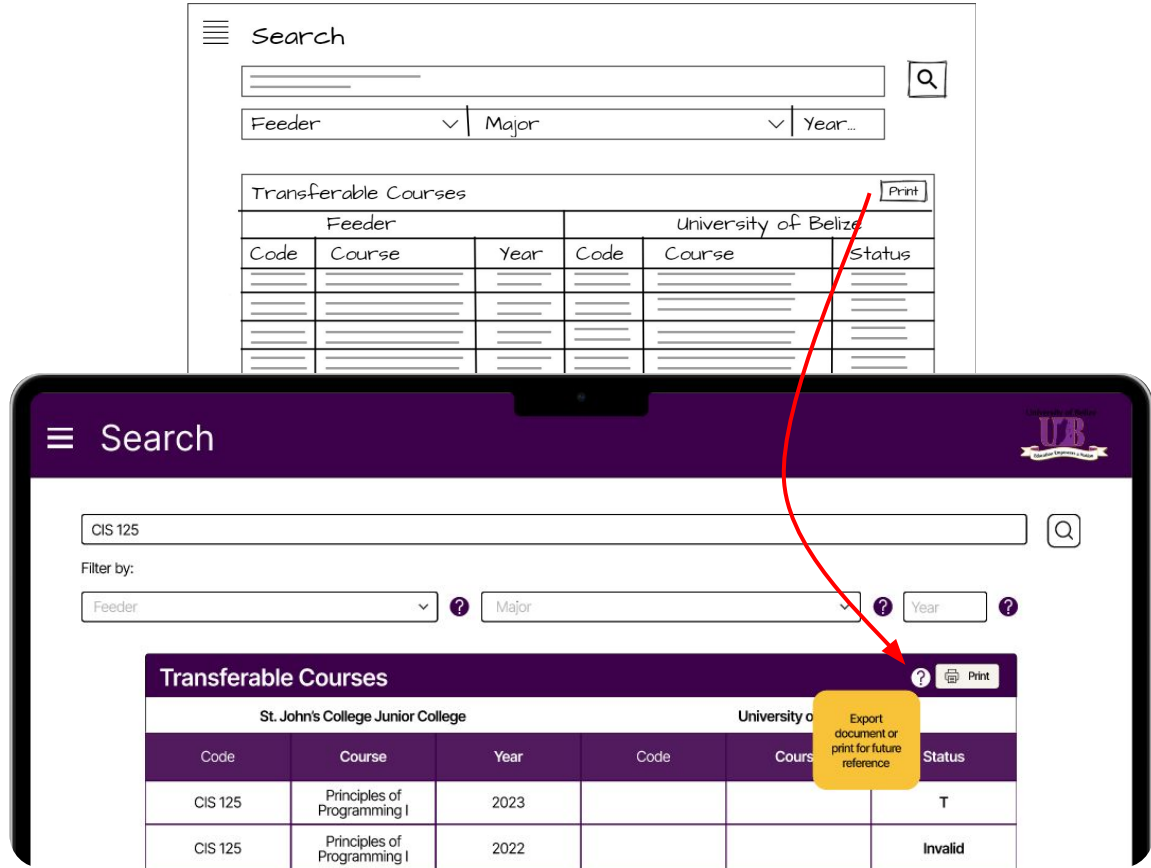
Print

Problem:

Users were unsure of the printing feature.

Solution:

Added popup window to briefly explain to user that they are able to export or print results for future reference.





Task Flows



Filter by:

Feeder Major Year

Transferable Courses

[Print](#)

St. John's College Junior College			University of Belize		
Code	Course	Year	Code	Course	Status
CIS 125	Principles of Programming I	2023			T
CIS 125	Principles of Programming I	2022			Invalid



Transferable Courses



Transferable Courses Report

Transfer Matrix Report
University of Belize

Date: 07 November 2024

Galen University			University of Belize		
Code	Course	Year	Code	Course	Status
CIS 125	Principles of Programming I	2023			T
CIS 125	Principles of Programming I	2022			Invalid


TASK 1 : Print transferable courses


Home

Search

Help

Transfer Matrix





Welcome to the University of Belize Transfer Matrix !

The Transfer Matrix is designed to be a resource to identify potential transfer credit and associated University of Belize course equivalents from completed academic institutions. This database is provided as a service for students wanting to know whether the course(s) they are taking or plan to take at another institution will transfer to the University of Belize. The database is for reference only and is continually being updated as new courses are evaluated. It is neither an assurance nor a guarantee of transfer credit equivalencies. All information contained within this Matrix is subject to change, without prior notification.


Final course equivalency is determined by the university's academic departments.

Courses listed in the Matrix may transfer, but most likely have not been evaluated yet. Current UB students desiring an evaluation of courses not listed in the Matrix should follow up with the Records Office. Credits for college-level courses must be completed with a grade of "C" (2.0) or better.

Search

Help

Search



Filter by:


Feeder

Major

Year

Search for transferable courses using course name, course name, or course code

Search



Filter by:

Feeder

Major

Year


Transferable Courses

St. John's College Junior College

University of Belize

Code	Course	Year	Code	Course	Status
CIS 125	Principles of Programming I	2023	CMPS1131	Principles of Programming I	T
CIS 125	Principles of Programming I	2022			Invalid

Search



Filter by:

Feeder

Major

Year

Search for transferable courses using course name, course name, or course code

TASK 2: General Search

Search

CIS 125

Filter by:

Feeder: Major: Year:

Transferable Courses

St. John's College Junior College			University of Belize		
Code	Course	Year	Code	Course	Status
CIS 125	Principles of Programming I	2023	CMPST131	Principles of Programming I	T
CIS 125	Principles of Programming I	2022			Invalid



Seek assistance from faculty by sending an email:

Name: John Doe

Email: johndoe@gmail.com

Message: I have one course that does not appear on the matrix how can I verify its validity. Thanks in advance

Message Sent Submit

Search

CIS 125

Filter by:

Feeder: Major: Year:

Transferable Courses

St. John's College Junior College			University of Belize		
Code	Course	Year	Code	Course	Status
CIS 125	Principles of Programming I	2023	CMPST131	Principles of Programming I	T
CIS 125	Principles of Programming I	2022			Invalid

Seek assistance from faculty by sending an email:

Name:

Email:

Message:

Submit

Search

CIS 125

Filter by:

Feeder: Major: Year:

Transferable Courses

St. John's College Junior College			University of Belize		
Code	Course	Year	Code	Course	Status
CIS 125	Principles of Programming I	2023	CMPST131	Principles of Programming I	T
CIS 125	Principles of Programming I	2022			Invalid

Seek assistance from faculty by sending an email:

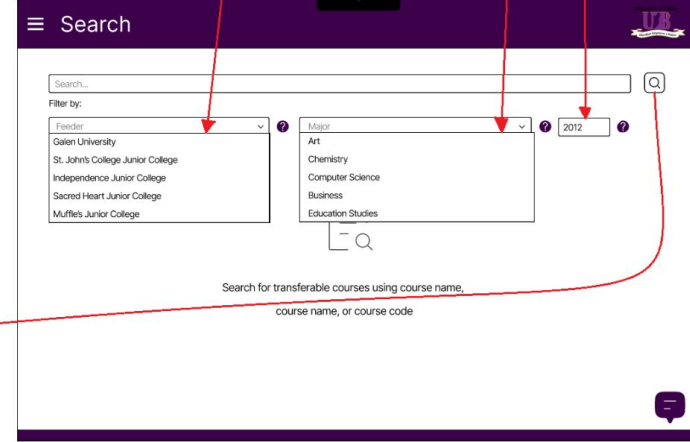
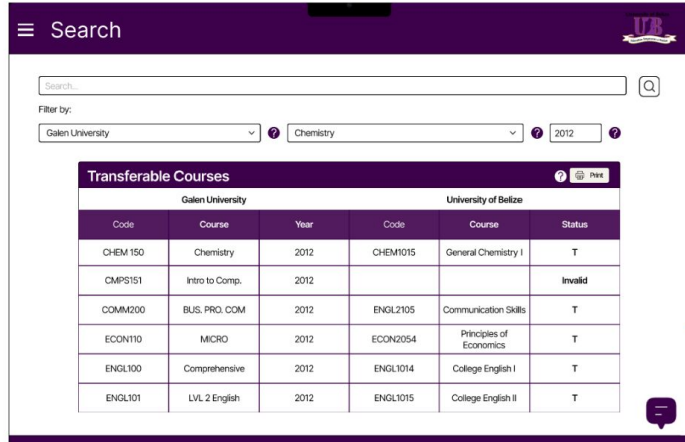
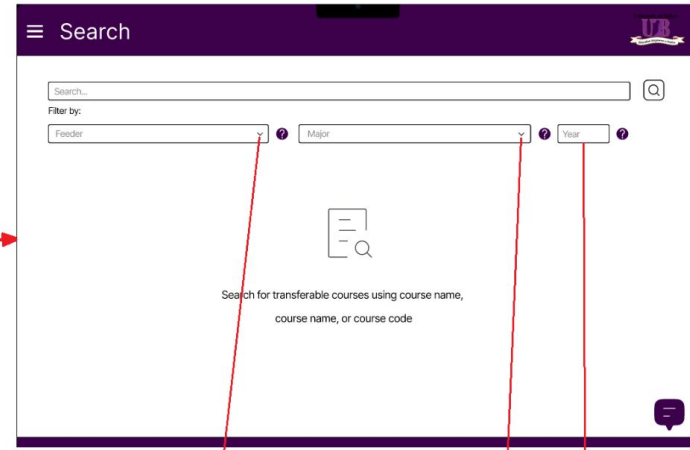
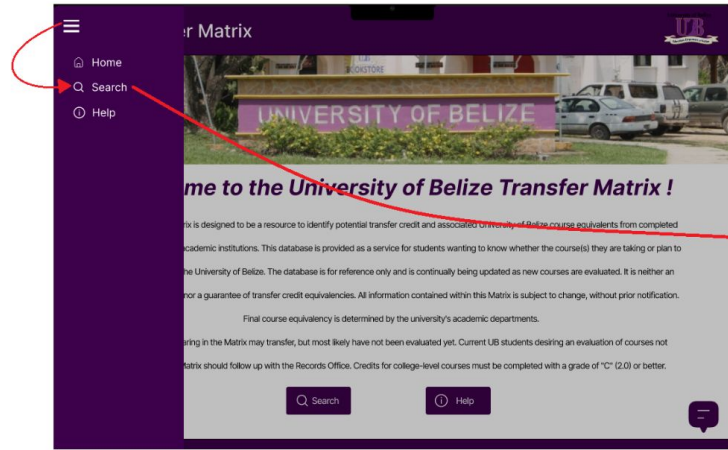
Name: John Doe

Email: johndoe@gmail.com

Message: I have one course that does not appear on the matrix how can I verify its validity. Thanks in advance

Submit

TASK 3 : Seek Faculty Assistance



TASK 4 : Filter and Sort Options



PROTOTYPE OVERVIEW

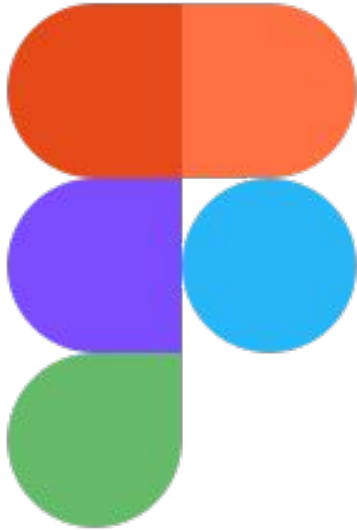
What We Use?



Used “ to create, share, and test designs for websites, mobile apps, and other digital products and experiences.

It “ helps anyone involved in the design process contribute, give feedback, and make better decisions, faster.”

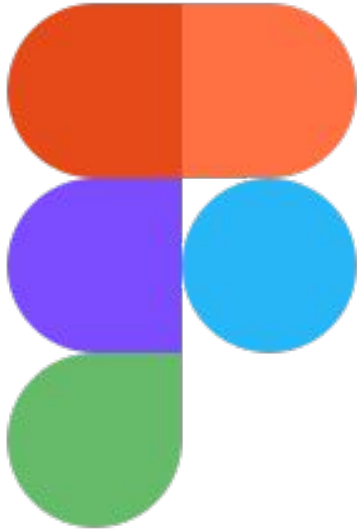
How Did It Help?



The **drag-and-drop functionality** made it easy to build layouts and structure screens in our prototype, helping us arrange and refine our design with minimal setup.

Figma also allowed us to **collaborate efficiently** within our team.

How Did IT Not Help?



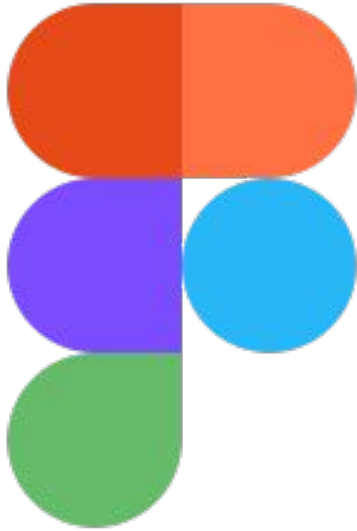
Offline Limitations

Figma's reliance on a stable internet connection posed challenges, as the platform does not support offline access.

Performance Issues During Collaboration

We experienced lag during collaborative sessions, especially when multiple team members were working on the design simultaneously.

Limitations/Tradeoffs of Current Prototype



Prototype lacks **dynamic data capabilities**.

Interactions are **event-based, not fully interactive**.

Wizard of Oz Techniques Used?

No Wizard of Oz Techniques, as most of the features were hardcoded

Any Hardcoded Features



- Most of the simulation was hardcoded, as our prototype involved interacting with a database
- Due to the lack of implementing a database, all search and typing events were hardcoded to simulate what a user would type

THANK YOU

Link: UB Transfer Matrix Prototype

