

Find My Major



Contact Information

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The process of selecting a college major can be a daunting experience for many high school and undecided students. To address this challenge, Find My Major is an interactive, web-based quiz designed to simplify this decision. Built by someone who was once in that position, guided by the idea of helping students explore academic pathways that align with their personal interests and strengths. Find My Major uses targeted questions to identify a user's passions and traits, providing them with a curated list of potential college majors to explore further.

Tools

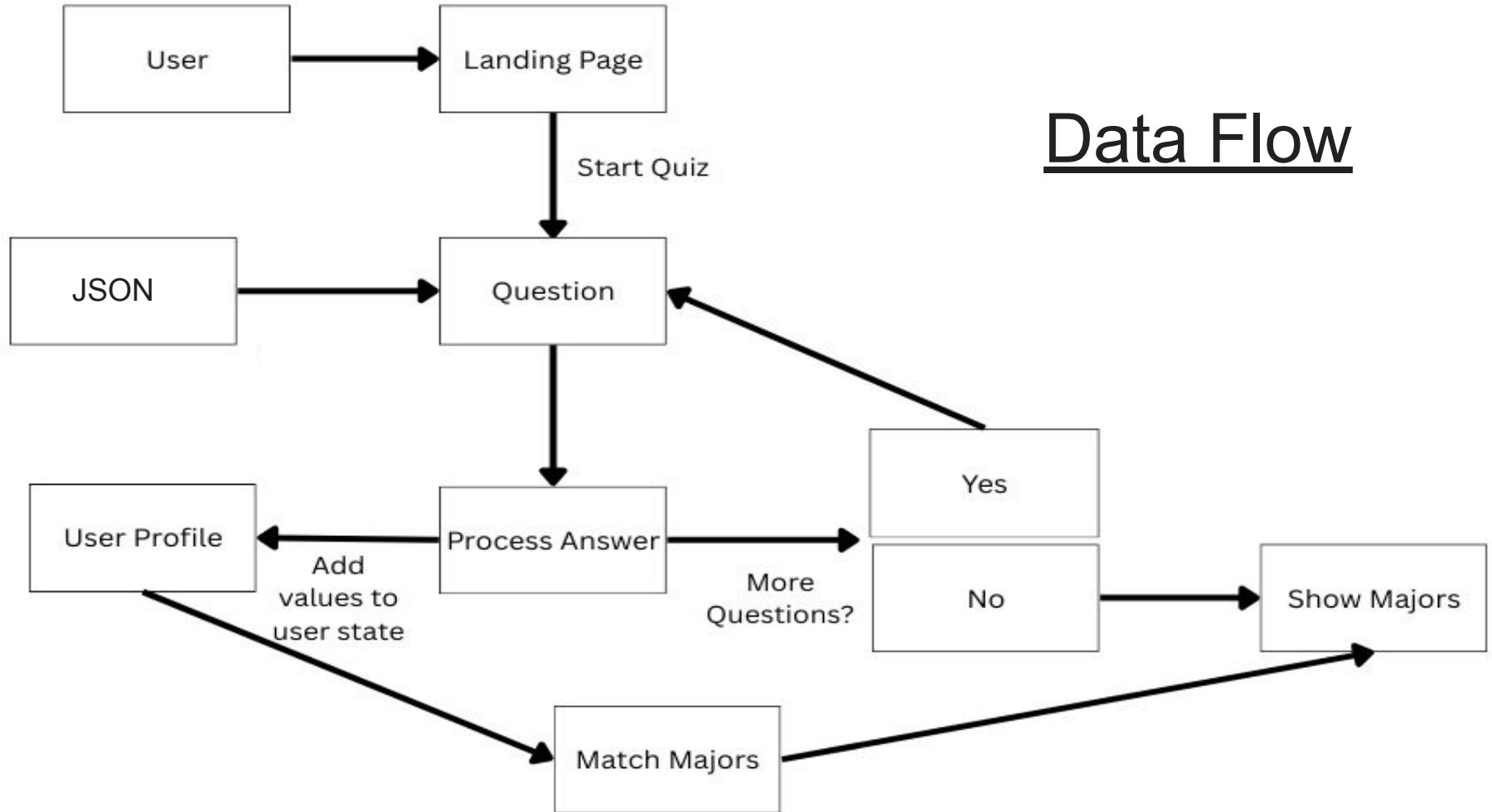
Hardware

- Mac mini m4 24gb
- macOS Sequoia 15.6.1

Software

- Visual Studio Code (version 1.104.1)
- Figma Web Version
- Canva
- Google Chrome, Docs, Sheets, Slides, Gemini 2.5 Pro
- Git (version 2.51.0)
- Github
- Youtube
- ChatGPT Free Version

Data Flow



Find My Major

Discover Your Major

Take our quiz and discover your future possibilities. Find the major that aligns with your interests, skills, and career goals.

Start Quiz

How It Works

1

Answer Questions

Complete our thoughtfully designed quiz covering your interests, skills, values, and career aspirations.

2

Get Analyzed

Our algorithm processes your responses using advanced matching techniques and academic research.

3

Discover Majors

Receive your personalized list of recommended majors with detailed explanations and career paths.

Landing Page Draft

Schedule

Week 6 : 9/30/2025 - 10/6/2025

- Write the rest of the answers to the questions: Time - 2 hours
- Determine the values for each major: Time - 5 hours
- Determine the values for each answer: Time - 5 hours

Week 7 : 10/7/2025 - 10/13/2025

- Write pseudocode for user profile and major comparison: Time - 3 hours
- Write javascript for the comparison algo: Time - 10 hours (i'm being generous idk if it's going to take that long)

Week 8 : 10/14/2025 - 10/20/2025

- Add javascript to make the questions appear and record user choice: Time - 10 hours (includes writing, researching, debugging)

Week 9 : 10/21/2025 - 10/27/2025

- Design the loading page when users answer all questions: Time - 2 hours
- Code loading page: Time - 1 hour
- Code a landing page for every major that includes career paths, and further resources: Time - 10 hours (there will be around 20 in total, I have to add a few.)

Week 10 : 10/28/2025 - 11/3/2025

- Add all questions and answers into the website gradually and test as I go: Time - 10 hours
- Get friends and family to test it and see if they think it's accurate: Time - 3 hours

Week 11 : 11/4/2025 - 11/10/2025

- Polish project, finishing touches

This is if everything goes to plan, other things will definitely show up.

Data Sources

The questions will be stored in a JSON file. Answers to the questions and their values will also be stored there.

The majors and their values will also be stored in a JSON file

All other data will be stored in the code itself in the form of arrays, objects.

Use Case 1: High School Student

Actor: Sarah a high school student who is starting to think about college applications but has no idea what to study.

Goal: Get an idea of what college major might fit her

Scenario:

1. Sarah sees the landing page and clicks “Start Quiz” and is immediately presented with the first question.
2. She proceeds through the entire quiz in a single session and answers all the questions until she reaches the end.
3. After answering the last question, the system shows a brief loading animation and then displays her results on screen.
4. The results page recommends “Computer Science” as her top match and “Graphic Design” as her secondary option. She clicks on the “Learn more” on Computer Science and reads a further description of the field.

Use Case 2: Re-evaluating College Student

Actor: John, a college sophomore majoring in Biology who is considering a change.

Goal: Discover alternative majors that better align with his interests in communication and teamwork.

Scenario:

1. John find the site and takes the quiz, answering based on his interests.
2. The system recommends “Communications” as the top result.
3. John wants to see what other majors are available. He clicks on “Browse All Majors” link in the menu.
4. The system shows John all available major profiles.
5. John spends time reading more about Communications and Public Relations, comparing it to his original major.

Use Case 3: User Retaking Quiz

Actor: Maria, a first year student who wants to explore her options.

Goal: Get a second opinion on what she really wants to do.

Scenario:

1. Maria completes the quiz for the first time and gets recommended “Accounting” which she find uninteresting.
2. She wants to try again so she clicks “Retake Quiz” on the results page.
3. The system does not save her previous answers. Redirects her to the landing page. The quiz is reset to its original state.
4. Maria takes the quiz for the second time, thinking more carefully about her answers to better reflect on her interests.
5. After submitting, the system recommends her “Graphic Design”. This result felt more accurate. She leaves the site satisfied.