TRANSPARENT TUITION

AUTHOR: PAIGE ANDERSON
ADVISOR: DR. MICHAEL SCHERGER

BACKGROUND

During the college admissions process, students are presented with an overload of information from each school they apply to and are accepted by. A critical aspect of deciding on a school is the estimated Cost of Attendance (COA) and the financial aid package. Each school calculates their COA differently and thus offers a unique financial aid package.

It is important for students to have a way of comparing and evaluating a school's cost with the financial aid. Without an accurate comparison between different colleges, students may make a decision that will have negative affects on their finances going forward.

GOALS

The goal of Transparent Tuition is to provide students with a way of comparing their financial aid packages and COAs for all the schools they have applied to. With Transparent Tuition, students will gain a more concrete understanding of their financial commitment to colleges and college counselors will have a tool to view and discuss their students' finances.

Transparent Tuition will allow students to make educated decisions based on their current and long term finances.

CHALLENGES

Database Redesigns: I went through multiple designs of the database over the course of the year. This meant I had to reiplement some of my code to account for different databases.

Full Stack Development: I have never done a full-stack project by myself so it was important that I switch between tasks to make sure the both parts are integrated

Scalable Design: I was not able to implement everything I want for the website over the course of the year but it was important that I keep those goals in mind so they will be easier to add in the future.

STUDENT USER EXPERIENCE

Student can add a college to their profile, view the details and see it with the other universities they have added.

COLLEGE COUNSELOR ACTIONS
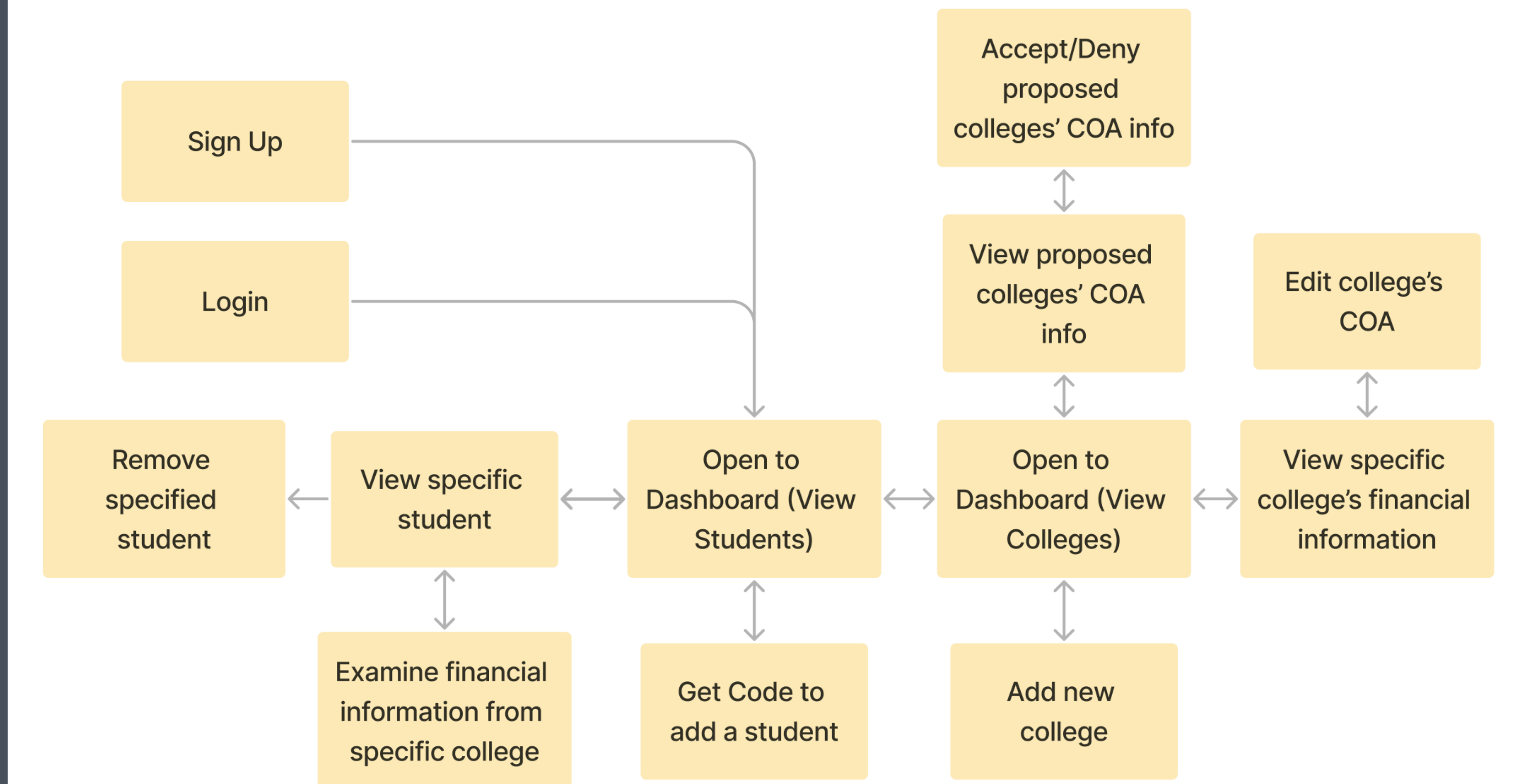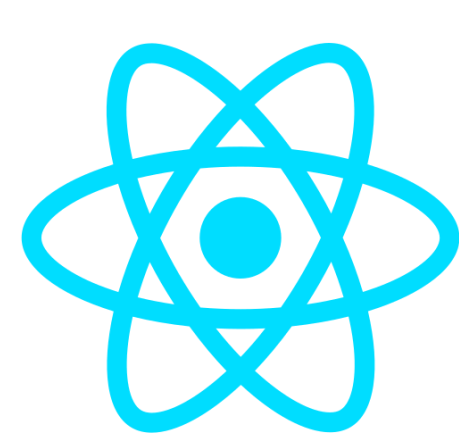

STUDENT ACTIONS
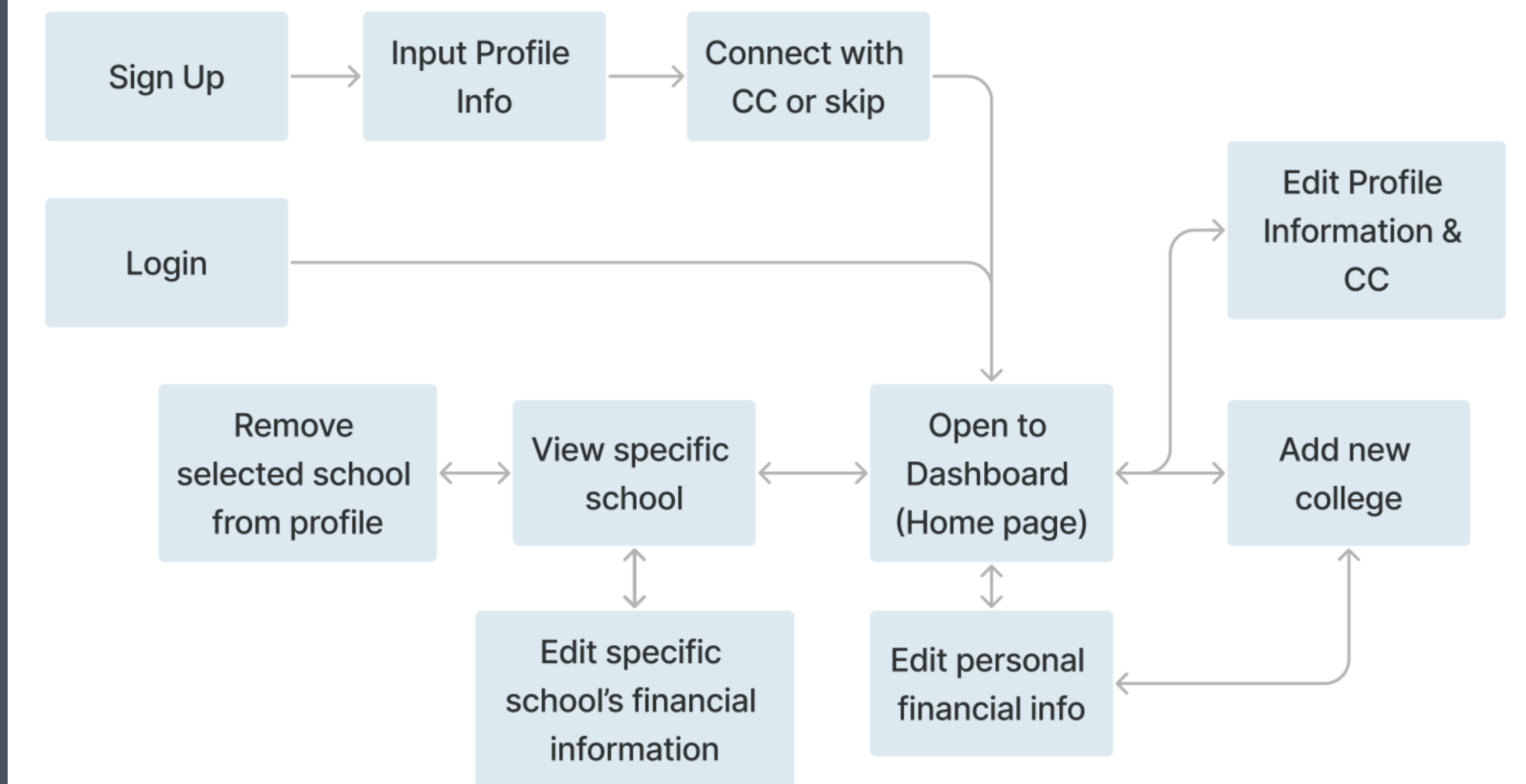
TECHNOLOGY STACK

Front End ⟷ **Back End**

HTML, CSS, JavaScript   Java

STUDENT PROFILE INFORMATION

Here, a student can add a college counselor to their profile and edit their perosnal financial information

FUTURE DEVELOPMENT

- Deployment
- Data Preservation and Safety
- Screen Scraping
- Customization for Nontraditional Students
- Allow for Individual Needs
- Personalize Loans and Finances for Each Year
- Table View Allow Side-By-Side Comparison of Future Cost and Totals

ACKNOWLEDGEMENTS

I would like to thank my advisor, Dr. Michael Scherger, for his support throughout this project. I would also like to thank my mom, Carrie Anderson, who is a college counselor and inspired this website.

DEPARTMENT OF Computer Science

TCU COLLEGE OF SCIENCE & ENGINEERING