

# User Interface Design and Evaluation

Assignment 2 - Scholarship Search Engine  
Matcher

Aite Kuo, Tian Xia

The source code is on [Github](#).  
The website is available on  
[kuoaite.github.io/hw2/](http://kuoaite.github.io/hw2/)

## 1.1 Title Page



### About us

Matcher is a website intended to provide scholarship and college information for students. Our scholarship search engine is designed for a fast and accurate match for students with a wide range of backgrounds. Our goal is to provide the best student scholarship search online.

### Scenario of use

Jason Mars is a 16 years old high school senior student from Newman High School, Newman, GA. He's competed in Table Tennis League, played at county level for Coweta, and reached the finals of the SEC High School Table Tennis Championships in 2018. He also coaches younger members at his local table tennis club. Now, he plans to go to college next fall in Georgia or Alabama. As he doesn't have any financial aids yet, he needs to search for financial aids or scholarships/fellowships. He finds the Scholarship website (<https://kuoaite.github.io/hw2/college.html>) by his high school teacher's recommendation. He can use this website to search scholarships by different searching criteria and easily find the perfect match for his case.

### HW/SW requirement

HW: PC & MAC

SW: The website is developed with HTML, CSS, and JavaScript. In addition, it is fully based on Bootstrap and thus very responsive. The source code is on [Github](#).

### Interface Metapho & Interaction Type

Our website uses instructing interaction Type, where students can select options from menus, entry data, fill in forms, pressing instruction buttons to get information.

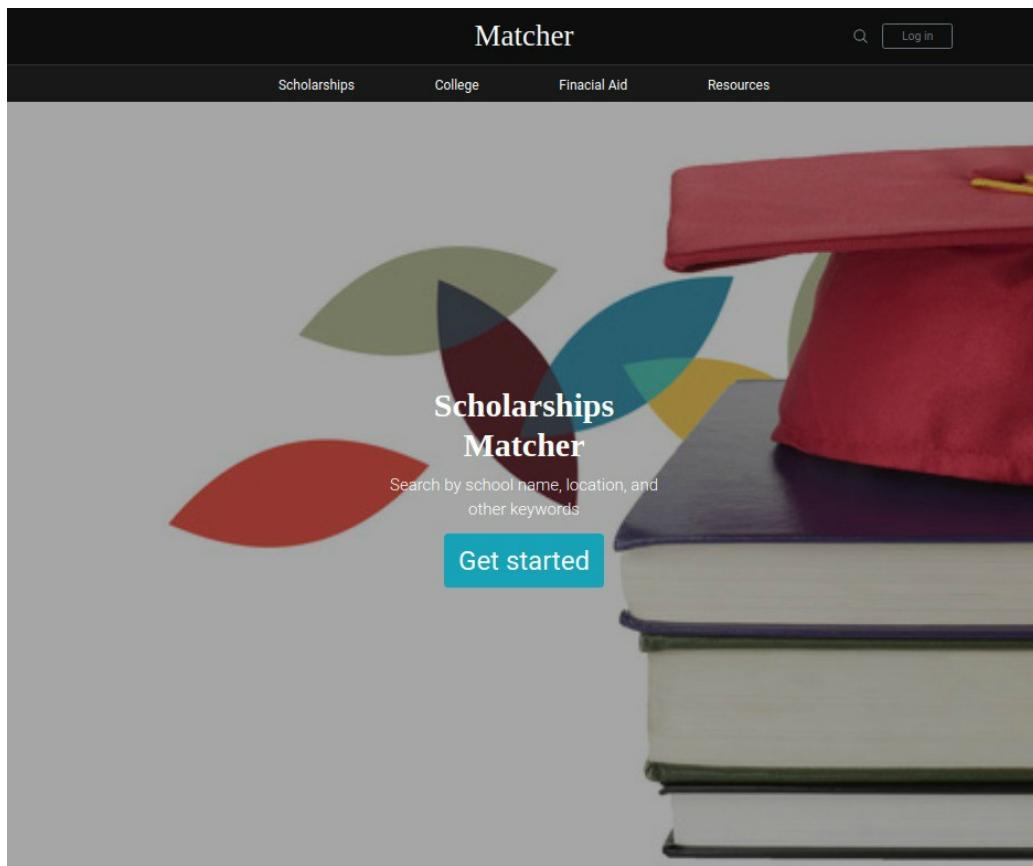


COMP 5620 - User Interface | Assignment 2 | Ai-Te Kuo, Tian Xia

Figure 1.1: The title page presents the team members of the assignment, about-us, a brief introduction, scenario of use, hw/sw requirement and interface metaphor.

## 1.2 Splash Page

### 1.2 Splash Page



#### Best Scholarships Search Engine

This is not just a platform. We believe our devotion to scholarships search engine will lead to more students getting better matches and becoming more involved in their institutions, which brings them more brighter future.

17410 Scholarships	61608 Available	\$1,681,267,480 Awards Amount	1338 Schools
-----------------------	--------------------	----------------------------------	-----------------

Figure 1.2: The splash page has a "Get Started" button embedded in the banner, which leads to effortless access to our scholarship search engine. In addition, to present the latest scholarship information for users, we 24/7 update the database. The number of scholarships available, the award amount, and the number of colleges associated are presented to users in order to exhibit the robustness of the search engine.

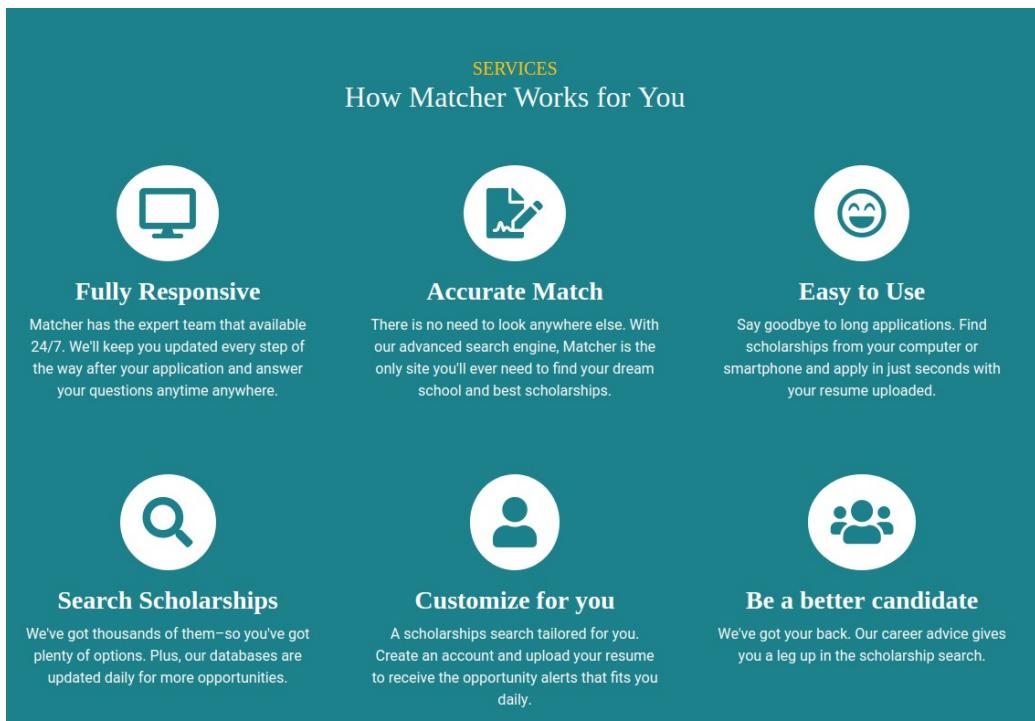


Figure 1.3: The icons utilize interface metaphors to illustrate the advantages of Matcher. For example, the magnifier icon is a metaphor for the search action, the identical one deployed in the college search page also refers to the search action.

## 1.2 Splash Page

### Recommended Scholarships

<b>\$1,000 You Deserve It Scholarship</b> The 'You Deserve It' no-essay Scholarship from ScholarshipOwl awards \$1,000 and takes only one minute to register. Without any further effort, you can apply to hundreds more schol.....  Awards Available GPA \$1,000 999 > 3.0  Deadline: Sep 04, 2018 <a href="#">Apply</a>	<b>A Voice for Animals High School Contest</b> The Humane Education Network in partnership with the Animal Welfare Institute is pleased to announce its 27th Annual A Voice for Animals High School Contest. Participants must curr.....  Awards Available GPA \$500 1 None  Deadline: Apr 30, 2019 <a href="#">Apply</a>	<b>AWMF &amp; Ford Emerging Voices Scholarship</b> The AWM Foundation's partnership with the Ford Motor Company Fund supports two female students based on an essay written on a suggested topic. Winning applicants will receive a sch.....  Awards Available GPA \$2,000 1 None  Deadline: May 01, 2019 <a href="#">Apply</a>
<b>BSU Letterman Scholarship</b> The Letterman Telecommunications Scholarships were established effective with the 1985-1986 school year by David M. Letterman, a 1970 Radio-Television graduate of Ball State. Mr. L.....  Awards Available GPA \$10,000 3 None  Deadline: Apr 04, 2019 <a href="#">Apply</a>	<b>Davidson Fellows Scholarship</b> The Davidson Fellows Scholarship awards prestigious scholarships to extraordinary young people, 18 and under, who have completed a significant piece of work. Application categories.....  Awards Available GPA \$50,000 3 >3.5  Deadline: Feb 14, 2019 <a href="#">Apply</a>	

Figure 1.4: By dynamically collecting user data, the system automatically arranges the most associated scholarships to users. Users may accidentally find their perfect matches through the recommendation.

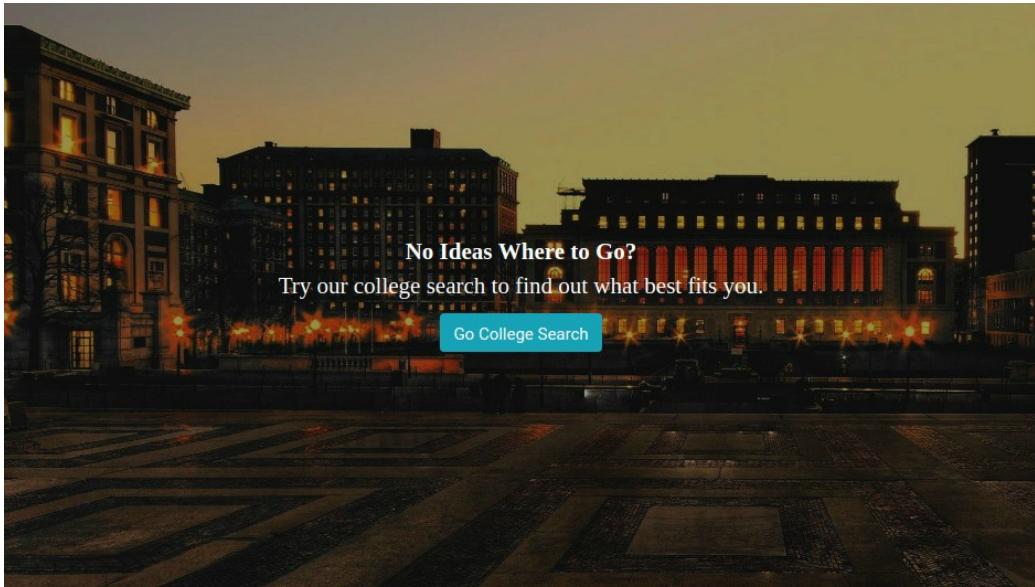


Figure 1.5: The banner guides users who have no ideas about colleges to the college search page, which helps users to have a better understanding of different types of universities/colleges by searching with various combinations of various factors.

**Contact Us**

It is a long established fact that a reader will be of a page when established fact looking at its layout.

**✉ : Aite@gmail.com**  
**📞 : +1 (334) 844-400**  
**💻 : <https://kuoaite.github.io/hw2/>**  
**🕒 : 8:00 AM – 5:00 PM**  
**📍 : Auburn University, Auburn, Alabama 368490**

Your Name

Your Email

Your Message

---

[!\[\]\(9233f7b99cc9fda31246240158e818f0\_img.jpg\)](#) [!\[\]\(2447b6618714aeec5254c68a9e43cba4\_img.jpg\)](#) [!\[\]\(2dc4c756fac42df95c7c0c3b66244d71\_img.jpg\)](#)

COMP 5620 - User Interface | Assignment 2 | Ai-Te Kuo, Tian Xia

Figure 1.6: This section with a 2-column layout comprises the contact information and a contact form, and thereby users can contact and give feedback to us through messages or the following social media, like Facebook, Twitter, or Github.

### 1.3 Scholarship Search Page

---

#### 1.3 Scholarship Search Page

The screenshot shows the 'Matcher' scholarship search page. At the top, there is a navigation bar with links for 'Scholarships', 'College', 'Financial Aid', and 'Resources'. A search bar and a 'Log in' button are also present. Below the navigation bar is a decorative graphic featuring a red graduation cap resting on two books, surrounded by colorful, overlapping leaf-like shapes.

**Personal Information**

Gender	Citizenship	State
Choose...	Choose...	Choose...

Race

Choose...	Athletic Interests
Choose...	Choose...

**Academic Information**

Current Grade Level	GPA	SAT	ACT
Choose...	Choose...	Choose...	Choose...

**Scholarship Information**

Scholarships for:

Choose...
-----------

Major

<None Selected>
Accounting
Advertising
Aerospace

Specialty

--

**Search**

Figure 1.7: Once the user clicks the "Get started" button on the splash page, it will redirect to the scholarship search page. The search page provides the customization of data-entry fields to meet the needs. In our search engine, users get matches by narrowing down the search query to get more relevant matches with their comprehensive personal information, academic information, and scholarship information.

## 1.4 Scholarship Search Result Page

**Search Result: 6 Matches**

School Name	Description	Deadline	Awards	Awards Available
<input type="text"/>	<b>\$1,000 You Deserve It Scholarship</b> Location: None specified The 'You Deserve It' no-essay Scholarship from ScholarshipOwl awards \$1,000 and takes only one minute to register. Without any further effort, you can apply to hundreds more scholarships automatically. Apply to scholarships without having to fill out repetitive application forms one application at a time. Why spend hours applying to one scholarship when you can apply to hundreds at the same time! On top of that, get automatically reapply every time a scholarship renews. ScholarshipOwl is the only scholarship service helping you by automating the actual registration process for you. You can also get help from an account manager to help you with your applications, essays, and find more scholarships tailored for you. Don't wait, sign up now and be part of the future of scholarship applications today!	Sep 04, 2018	\$1,000	999
<input type="text"/>	<b>A Voice for Animals High School Contest</b> Location: None specified The Humane Education Network in partnership with the Animal Welfare Institute is pleased to announce its 27th Annual A Voice for Animals High School Contest. Participants must currently be attending middle or high school, or be home-schooled and under 19 years of age on the date the contest opens for entries. The contest is open to all otherwise eligible students worldwide regardless of nationality, citizenship or country of residence. For more information or to apply, please visit the scholarship provider's website.	Apr 30, 2019	\$500	1
<input type="text"/>	<b>AWMF &amp; Ford Emerging Voices Scholarship</b> Location: None specified The AWM Foundation's partnership with the Ford Motor Company Fund supports two female students based on an essay written on a suggested topic. Winning applicants will receive a scholarship of \$2,000 each and get the opportunity to write four blog posts for AWM. Winners are invited to accept their scholarships live at the Gracies Luncheon in New York City.	May 01, 2019	\$2,000	1

Figure 1.8: This page lays out the scholarship search results. The brief description of the scholarships, which meet the criterion, is placed on the right side. Users can modify the search criterion on the left when the selection is not what they expect. Users can acquire complete information on a specific scholarship from the scholarship detail page by hitting the "View & Apply" button.

## 1.5 College Search Page

### 1.5 College Search Page

The screenshot shows the Matcher College Search Page. At the top, there's a dark header with the word "Matcher" in white. Below it is a navigation bar with links for "Scholarships", "College", "Financial Aid", and "Resources". To the right of the navigation is a search icon and a "Log in" button. The main content area has a large banner image of a college campus with people walking. Overlaid on the banner is the text "Find a college that fits you!" and a search bar with the placeholder "Search by school name, location, and other keywords". Below the search bar are buttons for "All states" and "Search".

**College Around you**

College	Location	Miles	Action
Auburn University	Auburn, AL	0 miles	<a href="#">More</a>
University of Alabama	Tuscaloosa, AL	157 miles	<a href="#">More</a>
University of Georgia	Athens, GA	179 miles	<a href="#">More</a>
Tuskegee University	Tuskegee, AL	19.9 miles	<a href="#">More</a>
Georgia Institute of Technology	Atlanta, GA	112 miles	<a href="#">More</a>
Columbus State University	Columbus, GA	42.2 miles	<a href="#">More</a>

Figure 1.9: It is the college search page with a search bar in the banner and a section listing the colleges around users. Matcher also provides search for colleges under different criteria for users.

## 1.6 College Search Result Page

**Matcher**

Scholarships   College   Financial Aid   Resources

Q   Log in

**Search Result:**

**School Name**

**Enrollment size**  Choose...

**State**  Choose...

**Major**

**Institution Type**  
 Public  
 Private

**Tuition**

**Distance**

**Campus Settings**  Choose...

**Sports**

**Speciality**

**Auburn University**  
Auburn, AL - 0 miles

Auburn University is a public institution that was founded in 1856. It has a total undergraduate enrollment of 23,964, its setting is suburban, and the campus size is 1,875 acres.

Favorite View

**University of Alabama**  
Tuscaloosa, AL - 157 miles

University of Alabama is a public institution that was founded in 1831. It has a total undergraduate enrollment of 33,305, its setting is suburban, and the campus size is 1,026 acres.

Favorite View

**University of Georgia**  
Athens, GA - 179 miles

University of Georgia is a public institution that was founded in 1785. It has a total undergraduate enrollment of 28,848, its setting is city, and the campus size is 767 acres.

Favorite View

**Tuskegee University**  
Tuskegee, AL - 19.9 miles

Tuskegee University is a private institution that was founded in 1881. It has a Rural setting, and the campus size is 5,000 acres.

Favorite View

Figure 1.10: This page is the college search results page. Users can save their favorite colleges for later review or have further scrutinization about a specific college by clicking the button.

## 1.7 College Detail Page

### 1.7 College Detail Page

Matcher

Scholarships      College      Financial Aid      Resources

Auburn University  
Since 1856

Introduction

Auburn University is a public institution that was founded in 1856. It has a total undergraduate enrollment of 23,964, its setting is suburban, and the campus size is 1,875 acres.

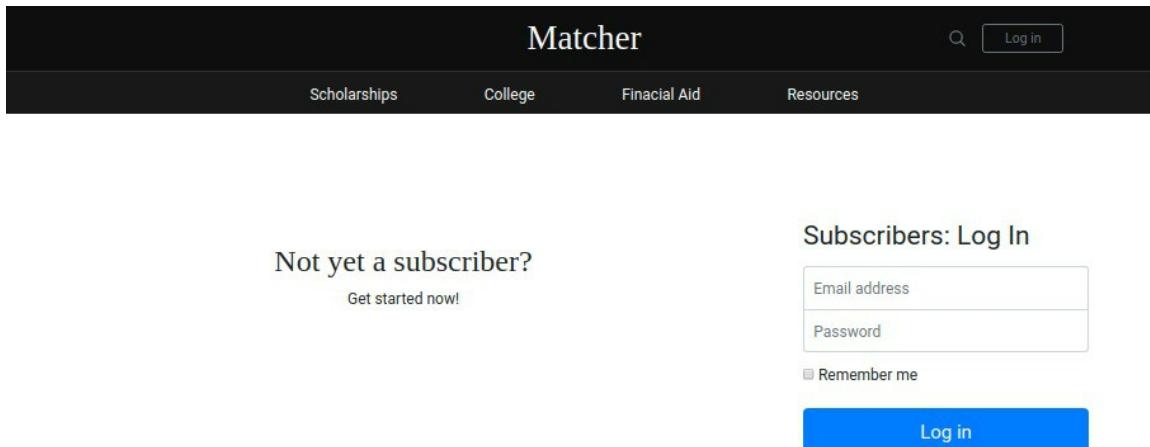
Enrollment Size	Tuition fee	Distance
23964	\$ 30524	0 miles

Location - Auburn, AL

Favorite

Figure 1.11: This page is the college detail page, which includes more details about the college. The description of the college, enrollment size, tuition, and distance from the user are listed in this page, as well as a map to show the physical location of the college.

## 1.8 Login Page



The screenshot shows the Matcher login page. At the top, there is a dark header bar with the word "Matcher" in white. Below the header is a navigation bar with four categories: "Scholarships", "College", "Financial Aid", and "Resources". To the right of the navigation bar is a search icon and a "Log in" button. The main content area has two sections. On the left, under the heading "Not yet a subscriber?", there is a "Get started now!" button. On the right, under the heading "Subscribers: Log In", there are fields for "Email address" and "Password", a "Remember me" checkbox, and a large blue "Log in" button. At the bottom of the page, there is a copyright notice: "© 2017-2018".

Figure 1.12: The login button is in the upper right corner of each page, which allows users to log in their accounts for retaining associated college information and tracking their scholarship applications.