

Tutor on Campus

A web application for students, by students

Steven Herrera Reenah Sheikh Soheila Escobar Youssef Zaki

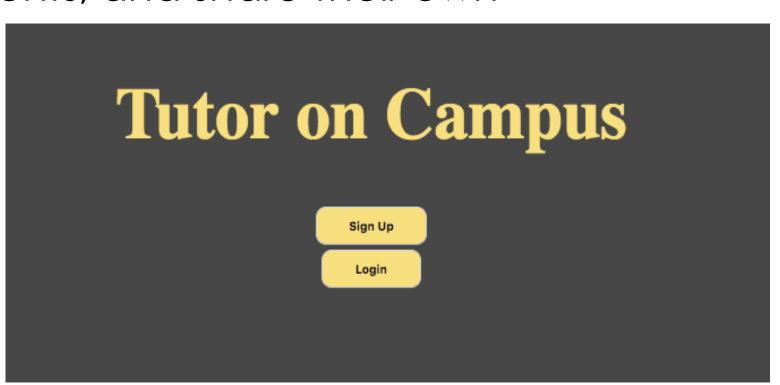
Overview

- At some point in their academic careers, students at UMBC may find themselves struggling to understand a challenging topic in a class.
- While many resources exist to assist students, such as the tutoring center and professors' office hours, many students do not take advantage of them, for a variety of reasons.
- The web platform, **Tutor On Campus**, provides an active solution to this problem by allowing students to connect with their peers and further their understanding of course material.
- Our website, developed as a creative project in the course IS448, aims to create an online space that emphasizes collaboration between UMBC students, with the goal of helping one another succeed.
- **Tutor on Campus** allows the UMBC community to actively interact and collaborate while promoting higher engagement and understanding of a wide variety of academic topics.

Features

Users are able to:

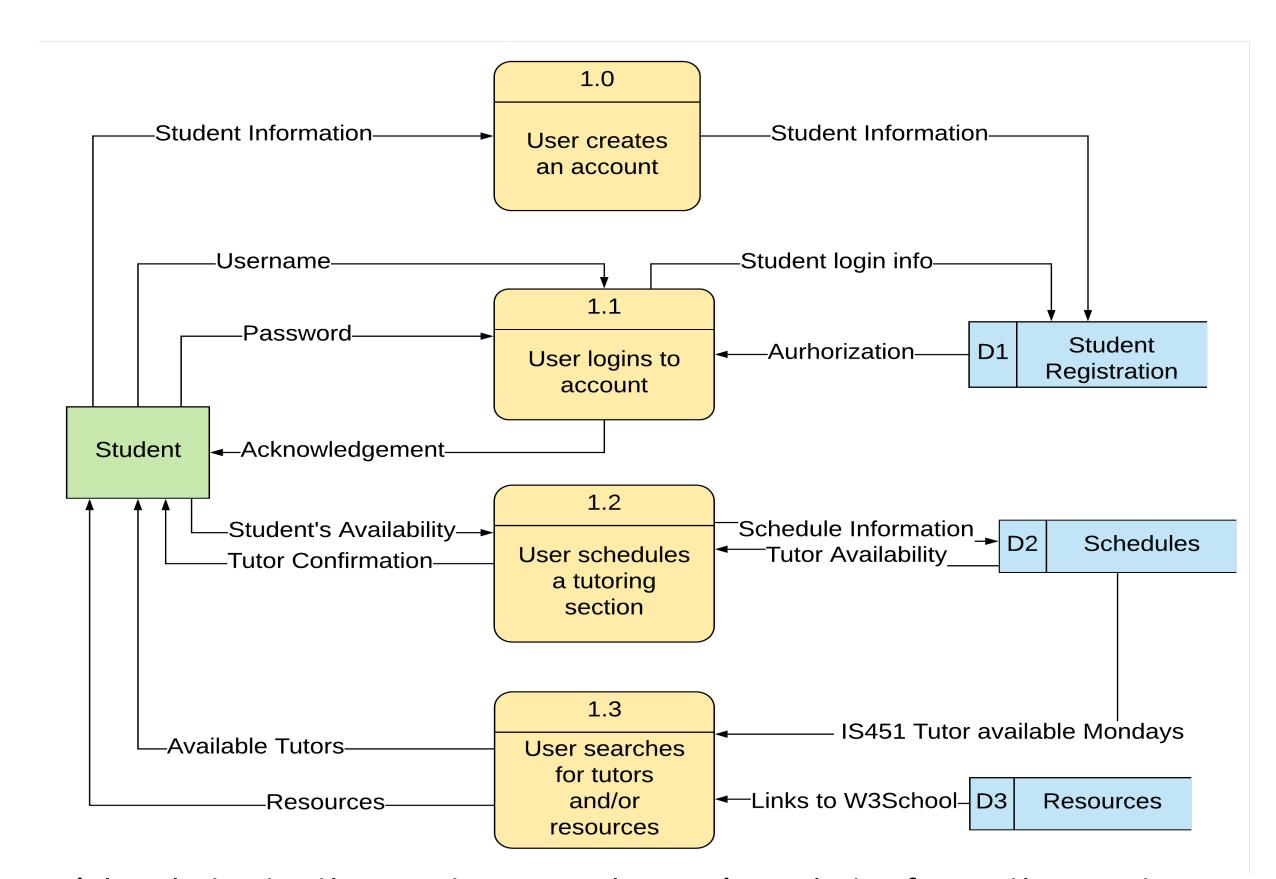
- Register for the free service
- Decide whether they want to tutor and/or be tutored
- Create an online profile
- Share their contact information
- Provide their availability
- Search for the availability of tutors for desired subjects
- Access online resources shared by other students, and share their own



Development

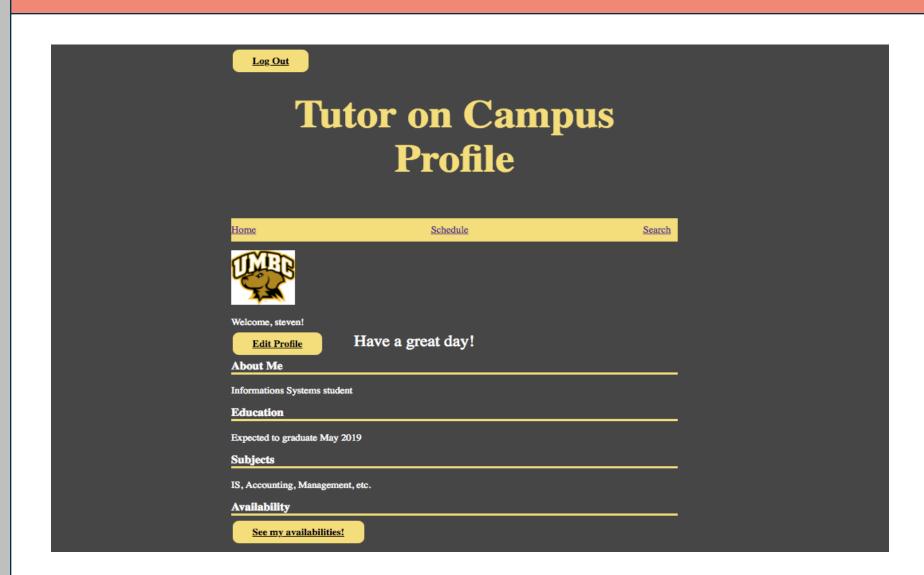
- HTML used to structure the content of the web pages
- CSS used to specify design aspects of the web pages
- PHP used to accept and validate user information and communicate to the database in a secure manner
- MySQL user and schedule information is stored and updated in tables created through MySQL
- JavaScript used to make webpages dynamic and interactive
- Ajax allows individual parts of the webpage to be updated without the need to reload the whole page — enhances the user's experience

Process



- Students provide data to the system and receive data from the system.
- Data provided by the students flows in and out of the processes (1.0, 1.1, 1.2, 1.3) and it is stored in the database tables (D1, D2, D3)
- Database stores data that is available for processes.

Interface



Name	Day Available	Class Title	Contact Information	Time
Steven	Monday	IS448	steven@me.com	8:00 am to 9:00 a
Steven	Tuesday	IS450	steven@me.com	9:00 am to 10:00 a
Steven	Wednesday	IS310	steven@me.com	8:00 am to 9:00 a
Soheila	Monday	IS448	soheila@me.com	8:00 am to 9:00 a
Soheila	Monday	IS450	soheila@me.com	8:00 am to 9:00 a
Stefan	Friday	IS448	stefan@me.com	1:00 pm to 2:00 pm
Youssef	Monday	IS448	youssef@me.com	8:00 am to 9:00 ar
Reenah	Monday	IS310	reenah@me.com	8:00 am to 9:00 ar
Reenah	Monday	IS450	reenah@me.com	8:00 am to 9:00 ar
Reenah	Monday	IS450	reenah@me.com	11:00 am to 12:00 p
Reenah	Friday	IS247	reenah@me.com	10:00 am to 11:00 a
test	Monday	IS450	test@test.com	8:00 am to 9:00 ar
Reenah	Wednesday	ECON101	reenah@me.com	12:00 pm to 1:00 p
Reenah	Thursday	BIOL102	reenah@me.com	8:00 am to 9:00 ar
Steven	Sunday	ECON101	steven@me.com	8:00 am to 9:00 ar
Youssef	Monday	BIOL103	youssef@me.com	8:00 am to 9:00 ar
Steven	Wednesday	BIOL103	sjh@umbc.edu	8:00 am to 9:00 ar

