UMBC
AN HONORS UNIVERSITY IN MARYLAND

Information Systems Department

# Tutor on Campus

*A web application for students, by students*

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## 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

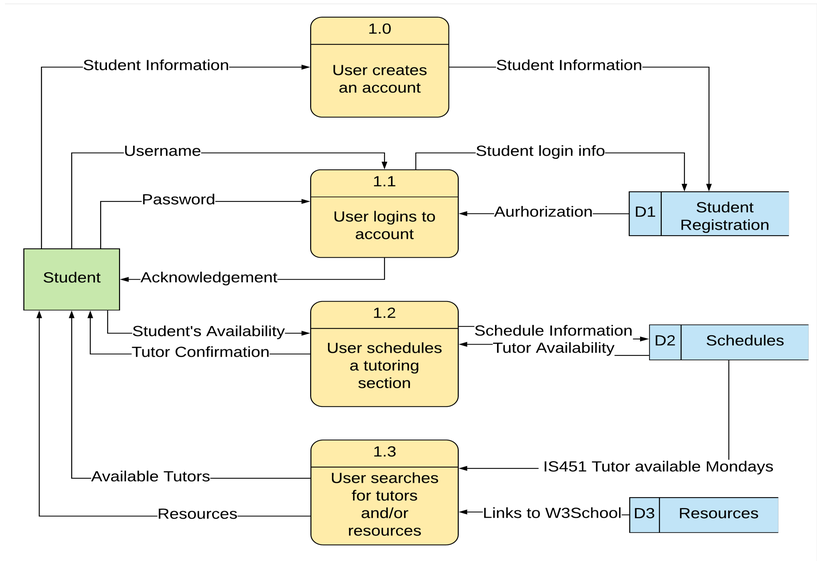
Users are able to:

- 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