



Tutorly

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Project Overview

- Want to connect students to student-tutors at their college who either:
 - Have taken the same classes and did well in them.
 - Have experience being a TA for a class.
 - Have upper-level experience that can help beginner-level students.



Sprint 3 Achievements

- Implemented tutor searching by class number and class code.
- Users can become tutors and set classes they are available to tutor in.
- Users can request a tutoring session.
- Users can view requested tutoring sessions as a student and a tutor.
- Tutors can confirm a requested session
- Users can view scheduled sessions as a student and a tutor



Test Cases

- Focused on tests for our Course, Session, Tutor, and User classes
 - Wanted to ensure user input was valid as it is the basis for our search.



Test Case Examples

User Class Unit Tests

```
@Test
public void setTutorName() {
    String input = "Jane Doe";
    String expected = "Jane Doe";

    Session session = new Session();
    session.setTutorName(input);

    assertEquals(expected, session.getTutorName());
}

@Test
public void getMeetingMonth() {
    int input = 5;
    int expected = 5;

    Session session = new Session();
    session.setMeetingMonth(input);

    assertEquals(expected, session.getMeetingMonth());
}
```

Tutor Class Unit Tests

```
@Test
public void addClass() {
    Course course = new Course("title", "CS", "courseNumber: 100", "uid: 111");
    Course expected = new Course("title", "CS", "courseNumber: 100", "uid: 111");

    Tutor tutor = new Tutor();
    tutor.addClass(course);
    assertEquals(expected, tutor.getClassList().get(0));
}

@Test
public void removeClass() {
    Course course = new Course("title", "CS", "courseNumber: 100", "uid: 111");

    Tutor tutor = new Tutor();
    tutor.addClass(course);
    tutor.removeClass(course);
    assertNull(tutor.getClassList());
}
```

Session Class Unit Tests

```
@Test
public void setEmail() {
    String input = "test@crimson.ua.edu";
    String expected = "test@crimson.ua.edu";

    User user = new User();
    user.setEmail(input);

    assertEquals(expected, user.getEmail());
}

@Test
public void getUniversity() {
    String input = "University of Alabama";
    String expected = "University of Alabama";

    User user = new User();
    user.setUniversity(input);

    assertEquals(expected, user.getUniversity());
}
```

Lessons Learned

- Payment API
 - Venmo doesn't have an easy implementable API - using Braintree to process payments
- Messaging System
 - Implemented hybrid system - Users can add a custom message to a tutoring session request instead.
- Full user profiles
 - Didn't have time to implement full user profiles viewable by other users.





Demo

