ApptiTutor

Sprint One Planning Document

Team 12

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Sprint Overview

**Overview:** For our first sprint we want to have the core of our project done. In other words we want to have the backbone that we can expand upon in future sprints.

This includes…

1. Having the databases set up with information and getting/setting information.
2. Having our website designed to include everything we foresee us needing with some implementation.
3. Allowing users to create a profile with login information.

Scrum Master: Himal King

Scrum Meeting Time: 12:30 PM MWF and other times as needed

Risks/Challenges:

1. Our lack of experience in Ruby on Rails could keep us from completing all the tasks.
2. Since we are building the backbone of the software if one person hits a roadblock it can inhibit other from completing their tasks on time.
3. If mistakes are made in the development process of the skeleton of our project (and we don't realize it), future development may have unexpected issues.
4. Making sure we have our machines set up with all the development tools and we know how to use them properly.

Current Sprint Detail

**User Story:**

Overall Plan: Set up all Databases

We need a searchable database for the classes at the university.

We need a searchable database of users in the system.

We need a searchable database of skills for tutors to select from.

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| --- | --- | --- |
| Task Description | Estimated Time (hrs) | Owner |
| Setup environment on developers machines | 4 | All |
| Learn how databases will interact with our web application | 6 | Himal, Michelle |
| Implement user Database | 6 | Michelle |
| Research the implementation of Purdue.IO | 4 | Himal |
| Use Purdue.IO to populate the classes database | 8 | Himal |
| Research and find a database that has skills | 6 | Michelle |
| Use found skills database to populate the skills database | 9 | Michelle |

**Acceptance Criteria:** If this user story is completed, the backend of the search bar should be completed. The databases which the search bar will be querying should be populated. This should set it up so once the search bar functions are complete, the user should be able to search via skills, class, or tutor name.

**User Story:**

Overall Plan: Set up the basic UI.

As a user I would like a simple and intuitive interface.

As a user I would like the interface to be less typing and more point and click.

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| Task Description | Estimated Time (hrs) | Owner |
| Have a web page with a banner with our logo and name at the top | 4 | Nick |
| Add 3 tabs below the banner | 4 | Nick |
| Set up the basic layout of the messaging tab | 6 | Josh |
| Set up the basic layout of the favorites tab | 6 | Josh |
| Set up the basic layout of the Search tab | 6 | Josh |
| The different tabs should load without having to load an entire new page. | 6 | Nick |
| The search bar should return a page with an unsorted list of tutors | 6 | Nick |
| 404 error handling | 4 | Josh |

**Acceptance Criteria:** If this user story is completed, the user should be able to navigate the site without any problems. If a problem should arise, an appropriate error page will be displayed.

**User Story:**

Overall Plan: Set up ability to Login to the Site

As a user I would like to have a username and password login.

As a user I would like to recover my password if I forget it.

As a user I would like to change my username and password.

We need to have error handling for signing in.

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| Task Description | Estimated Time (hrs) | Owner |
| Research how to add users to the user database. | 4 | Daniel |
| Implement the functions required to add users to the database. | 6 | Daniel |
| Implement the functions required to reset a password. | 6 | Daniel |
| Implement the functions to recover a password. | 6 | Daniel |

**Acceptance Criteria:** If this user story is complete, the user should be able to create their username and password as well as change them if they choose. If they forget their password, a new password setup process will be emailed to them and they will be walked through resetting their password.

**User Story:**

**Overall Plan:** Profile Creation

As a user I would like to be a student, a tutor, or both.

As a user I would like to have an “about me” in my profile.

As a tutor I would like to be able to show my skills on my profile.

As a tutor I would like to select from a list of skills.

As a student I would like to see the rates of the tutor.

|  |  |  |
| --- | --- | --- |
| Task Description | Estimated Time (hrs) | Owner |
| Make initial profile setup page with Name, Email, Student/Tutor, Male/Female/Other | 8 | Josh |
| Set up the user profile page for tutors to display their skills, “about me”, reviews, and other information. | 6 | Nick |
| Allow the tutor to select their skills from the database to add to their profile | 6 | Daniel |
| Allow the tutor to write their “about me” bio. | 6 | Nick |
| Implement functions to populate the user’s information in the user database | 8 | Himal |

**Acceptance Criteria:** If this user story is completed, the user will be able to choose if they are a student, a tutor, or both. Given that they are a tutor, they will be able to set up their tutor profile with skills, classes, and other “about me” information.

Remaining Backlog

1. Functional

User

* + - As a user I would like to choose to get a message reminding me about my meetings for the day, week, etc.
    - As a user I would like to be able to upload a profile picture.
    - As a user I want to easily switch between the student and tutor sides
    - As a user I would like a tutorial on how to use the website.
    - As a user I would like to be able to ask questions, make suggestions and report bugs to the development team.
    - As a user I want a FAQ to help me with questions I have about the app.
    - As a user I would like to cancel or reschedule meetings using a calendar. (if time allows)
    - As a user I would like to have a calendar that has all my scheduled meetings and free time on it. (if time allows)
    - As a user I would like to be able to see a location on campus. (if time allows)
    - As a user I would like to search for tutors even if I don’t have an account. (if time allows)

Student

* + As a student I would like to be able to find a tutor.
  + As a student I would like to sort the tutors based on things like class, rating, age, gender, cost, etc.
  + As a student I would like to rate tutors on how good they are.
  + As a student I would like to write reviews about tutors.
  + As a student I would like to be able to read the reviews about tutors.
  + As a student I would like to be able to send tutors messages.
  + As a student I would like to be able to find a tutor that specializes in a specific topic within a class.
  + As a student I would like to have “favorite” tutors.
  + As a student I would like to use an auto pay system. (if time allows)
    - As a student I would like to be able to make a group of students for a tutor. (if time allows)
    - As a student I would like to pay for my sessions through PayPal. (if time allows)

Tutor

* + As a tutor I would like to show up in searches that I am most relevant to.
  + As a tutor I want reviews so I know how to improve myself through different statistics like clarity, knowledge, politeness, and flexibility.
  + As a tutor I would like to be able to communicate with students.
  + As a tutor I would like to be able to see all the students interested in me
  + As a tutor I would like to control when I get paid. (if time allows)
  + As a tutor I would like to communicate with other tutors to talk about problems I do not know. (if time allows)
  + As a tutor I would like access to the class syllabus for the semester. (if time allows)
    - As a tutor I would like to view what classes need tutors. (if time allows)
    - As a tutor I would like to have control of the group and lead the organization sessions. (if time allows)
    - As a tutor I would like to be able to report a student (if time allows)

Non-Functional

* We need to design our databases to be secure and protected.
* We need a searchable database with all the conversations.
* We need to make sure that the webapp performs well on mobile and computer devices.
* We need it to be able to work in all browsers.
* We need to have error handling for writing text into the website.
* We need to have error handling if the server code crashes.
* We need to make sure logins and all communication is secure.
* We need to be able to bring up the server instantly if it crashes. (if time allows)
* We need to have an API to get tutors for classes.
* We need an API to make calls to our server and Database
* We need to have our API well documented.
* We need to make sure the webapp and server are scaleable.
* We need a thin client and have the server do most of the processing.