Future Name Here

Requirements Specifications

Team RSS

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I. Introduction

The current process of finding TA's and assigning them to an instructor at WSU is currently inefficient and takes more time from both parties than necessary. Rather than having a program that can help instructors select undergraduates based on a set of parameters, the majority of the process must be carried out manually.

Our app seeks to create a program which simplifies the process on both the end of the undergraduate applying to become a TA and the professor looking for a TA. The app will allow students to create an account containing their contact information, information regarding their current schooling progress, and the courses want to TA for. The app will also allow instructors to create an account containing their contact information and a list of the classes they are teaching. From there the professor will get a list of interested TA's that they can select from.

Section II includes basic functional requirements that users of the app may participate in.
Section III includes a basic description of the graphical interface.

Rev 1.0 2018-10-20 Initial version

II. Requirements Specification

Users will be able to create a profile in which they create a username (which should be their WSU email), create a password, and select whether they are an undergraduate or an instructor/faculty. Once they have an account and have logged in, they will be prompted to enter their contact information including first name, last name, WSU ID, email, and phone number. From this point on the account creation differs depending on whether the user selected undergraduate or instructor/faculty.

Users who selected undergraduate/student will be asked for additional information regarding their current schooling progress. This information includes major, cumulative GPA, expected graduation date, and whether s/he has served as a TA before. After that information is submitted, the user may begin selecting their course preferences. For each course the user needs to enter the course number, the grade s/he earned when s/he took the course, the year and semester s/he took the course, the year and semester s/he applies for TAship, and if s/he has previously served as a TA for this course. The user will be able to add and remove courses as they wish.

Users who selected instructor/faculty will be given a list of CptS courses and be able to choose the classes that s/he is currently teaching (multiple courses can be selected). The user will then be presented a list of students who have selected the courses that the user is teaching. The list will show whether or not each student has already been assigned to TA for a course. From this list the user can select students and assign them to one of the courses that s/he teaches. The user will be able to add and remove selected TAs from their courses as they wish.

II.1. Customer, Users, and Stakeholders

The primary target demographic encompasses undergraduate students who want to TA and instructor/faculty member who are looking for a TA. The primary use of this application is to offer a

more convenient platform to carry out the TA application and selection process. The stakeholders for this project will be the professor and TAs who are grading this assignment.

II.2. Use Cases

Users will create an account, fill out the required information, depending on the type of account, and update afterwards. There will be two cases: an undergraduate student account that can select courses they would like to TA for, and an instructor/faculty account that can select TAs for the courses they are teaching. Error conditions include information not being posted, retrieved, or deleted from the database correctly.

Use case # 1

Name	Student Account
Users	Undergraduate Students
Rationale	The student wants to TA for one or more courses.
Triggers	Account is a student account.
Preconditions	User is logged into account and all required information is saved.
Actions	Post user information and desired classes to website for valid instructor accounts to view. Delete course TA request if user removes a course from their selected courses.
Postconditions	User is given confirmation that information was sent if the process completed correctly. User will then be sent back to course selection page. If process was not completed correctly user will notified and sent back to course selection page.
Acceptance Tests	If user is logged in and if information is posted or deleted from database.
Iteration	First

Use case # 2

Name	Instructor Account
Users	Instructors/Faculty
Rationale	The instructor needs a TA for one or more of the courses they are teaching.
Triggers	Account is an instructor/faculty account.
Preconditions	User is logged into account and all required information is saved.
Actions	Get list of TAs that match the selected courses from database. Post that TA has been selected for the course if the user selects a TA for their course. Delete TA saved to course if the user removes a TA from their course.
Postconditions	User is given confirmation that information was sent if the process completed correctly. User will then be sent back to TA selection page. If process was not completed correctly user will notified and sent back to TA selection page.
Acceptance Tests	If user is logged in and if information is posted or deleted from database.

Iteration	First

II.3.   Non-Functional Requirements

1. Font: Incorporate and implement a creative common licensed or otherwise free licensed font.
2. Color Scheme: Implement a professional and easy-to-read color palette throughout the app (will most likely use school's colors).
3. Design: Upon logging in and filling out required information, students will be presented their current course TA statuses and have the option to add or remove courses. Instructors will see a list of TA applicants that match their courses and will have the ability to add or remove TAs.

III. User Interface Requirements

Our graphical interface is highly subject to change as we figure the best layout for the information and depending on the type of account. For the basics, upon logging in and filling out their account information, students will see whether or not they have been selected as a TA or if their request is still pending. Student will also see an option to add more desired courses. Teachers will see the list of available TAs and a list of the TAs they have selected so far.

Student View

Add Courses

Pending Course Requests

Accepted Course Requests and Instructor Information

Instructor View

Available TAs	Selected TAs

Here is a potential very basic design of the user interface upon logging in.

References

Our own team group background knowledge