COLLEGE OF ENGINEERING

Electrical Engineering and Computer Science

###

LETTER OF RECOMMENDATION MANAGEMENT SITE

Creating a smoother workflow between students and professors.

An Increasing issue

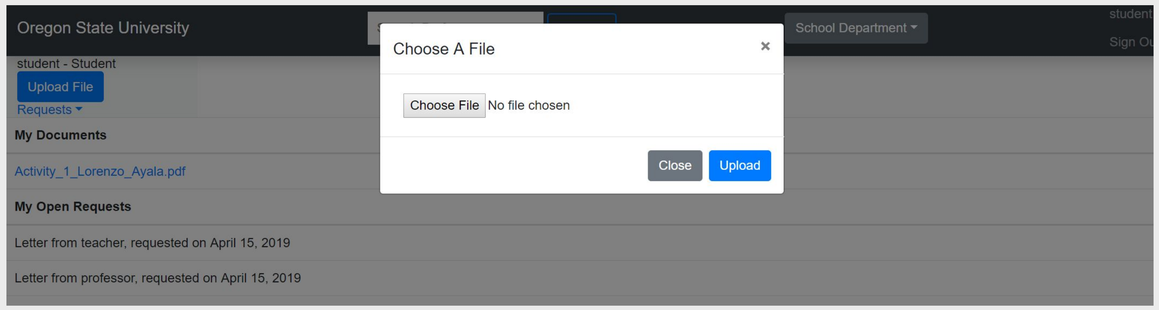
Over recent years the professors of Oregon State University have been over encumbered by letter of recommendation requests from students. As a result, professors have lost track of requests and those that they did accept were difficult to keep up with to have the required files to create a letter. Students on the other hand had difficulty finding a viable candidate for their letter due to the vast amount of requests.

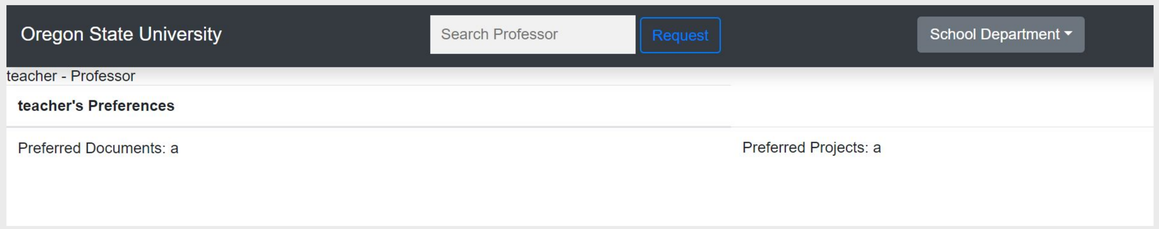
Finding a Solution

With the previous situation in mind a solution had to be presented. That was when our client presented the solution of creating a web application using a modern programming language to handle the transactions necessary for a letter of recommendation.

Why a Web App?

With a web application we will be able to integrate Oregon State University accounts into our application, which will allow file sharing across the network between our intended users. Our web application can also become an extension of services provided to students as well as professors on the Oregon State University homepage.





A Smooth, Modernized Process

Designing a web application for handling letters of recommendation has allowed us to create an effective mode of interaction between students and professors. Our application allows for a seamless experience for our users (students/professors).

Students will be able to organize and store files/projects as resources for letter content while also being able to search for the desired professor to submit a request to.

Professors will be able to manage student requests (accept or deny with reasoning). After accepting a request professors will be able to view the students files/projects to add context to their letter. After completion the professor can then submit the letter of recommendation to the student's file storage.

Tools Used

- Python/Django as together both the language and framework can be utilized to create strong web applications which incorporate packages for modern implementations and security.
- MySQL to build the database for the application to allowing for efficient data management and easy integration with the selected programming language.
- Bootstrap framework integration with html/css files to create an attractive, user-friendly interface.
- Apache HTTP Server to handle all user requests a long with HTTPS integration to add security when serving files.
- CAS integration to create a secure login to the application as Oregon State University credentials are vital in the universities network.

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