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# CS 422 Web Based Programming Project 2 Report

The purpose of the application is to develop a web application by using the PHP scripting language. It is a typical LAMP application. I couldn’t finish all the parts but its main functions are working. The uncompleted parts are:

* Delete and edit actions of shelters, room and clients tables.
* Referral feature (desk worker has to book the client immediately).
* Access restriction of pages based on user roles.
* Validation on data input of some fields.

When the user enter his username password pair and login he will be redirected to another page depending on their user type. There are 3 types of users. System administrator is able to change anything. Organization admin is for managing organizations and desk workers are persons who are working at the shelters and make reservations through the system.

The hardest part of the project for me was the design part. Since I didn’t understand the project description clearly, I did change my database layout several times. Since my code is unorganized, I also had to change my code and HTML forms again and again. If I had more time for this project I would have a robust code structure and exploit the entire object oriented features of PHP but in the project I did not create any custom classes but just some functions.

What I learned from this project is nothing but it reminded me how hard to write an application without using an application framework because you have to do write same stuff for every page. If this weren’t a school project I would use ASP.NET. Rapid development is a must for these kinds of applications.