

# A New Hogwarts House Point System

Because Using Hourglasses is Old Fashioned  
Lawson Kennan

# Project Description

- I really like Harry Potter, and this theme made doing the project much more enjoyable.
- I have nerdy friends that will appreciate it.
- What problem does it solve? Aggregating data over the course of the year in one location. Centralizes data and provides data visualizations.

# Initial Login Page



# Registering Harry Potter

Lawson

localhost:8080/~lck8bq/Project/login.html

## Welcome to the Hogwarts House Points System

Username


Password

First Name

Last Name

House

User Type

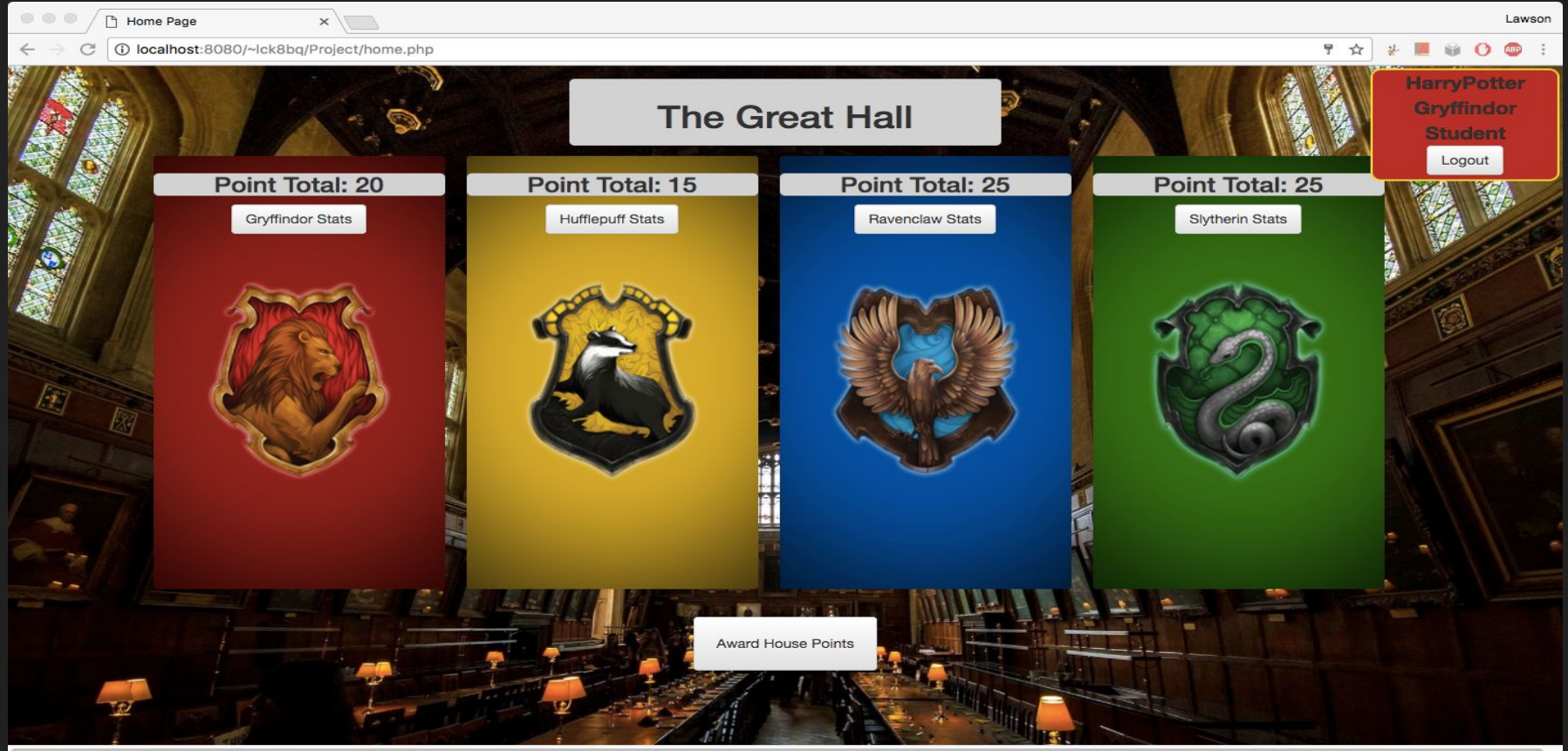
A background image of Hogwarts Castle at night, illuminated by warm lights from the windows and towers, set against a dark blue sky with stars and a full moon.

# Logging In as Harry Potter





# The Great Hall/Home Page



# Home Page Notes

- The point values for each House update dynamically. If multiple users were using the system, their actions would show up in real time.
- The user's information is always displayed in the upper right hand corner.
- Only professors can add points. Extra features could include more functionality for student users.

# House Statistics

Home Page

localhost:8080/~lck8bq/Project/home.php

Lawson

The Great Hall

Harry Potter  
Gryffindor  
Student

Logout

Gryffindor

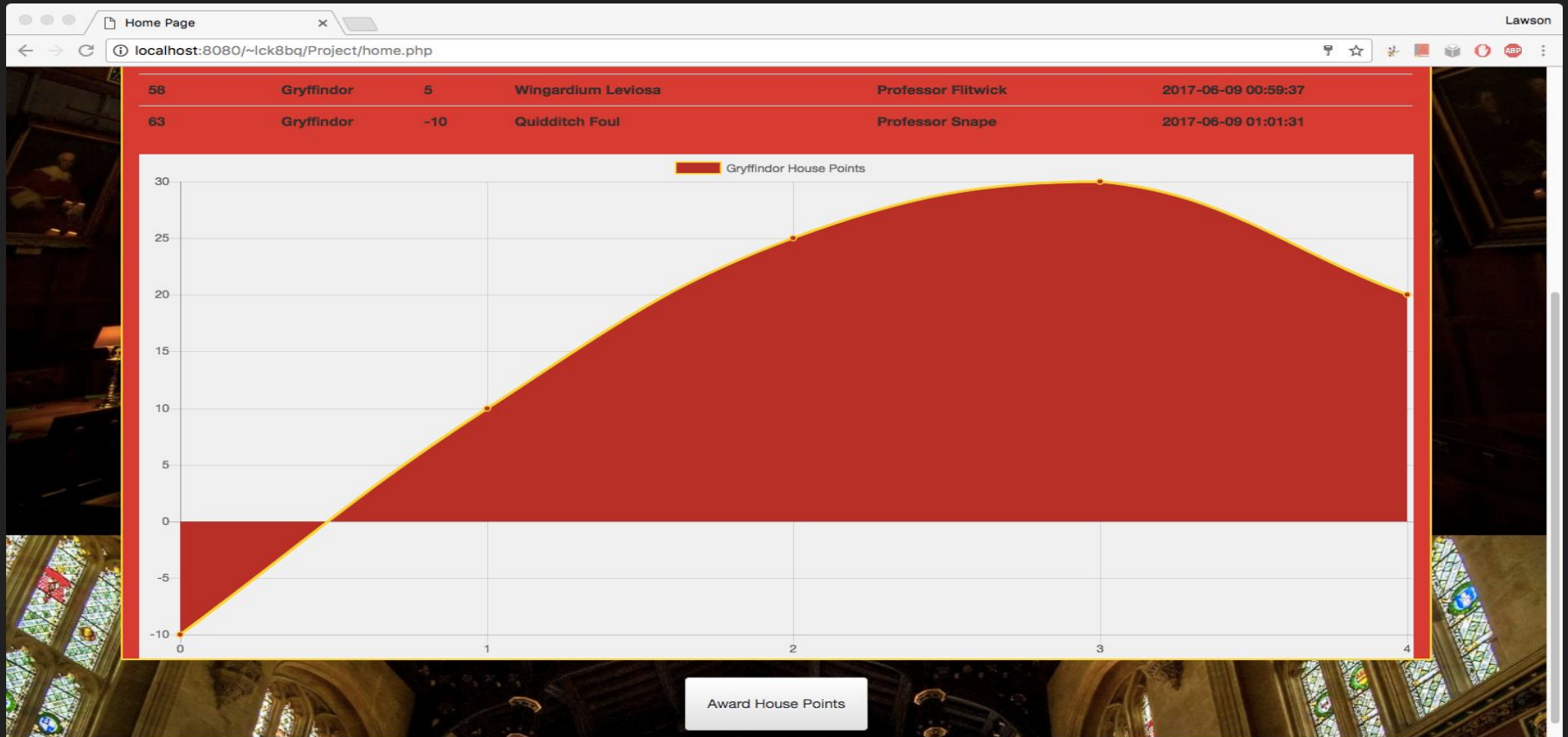
Head of House: Minerva McGonagall

Return to the Great Hall

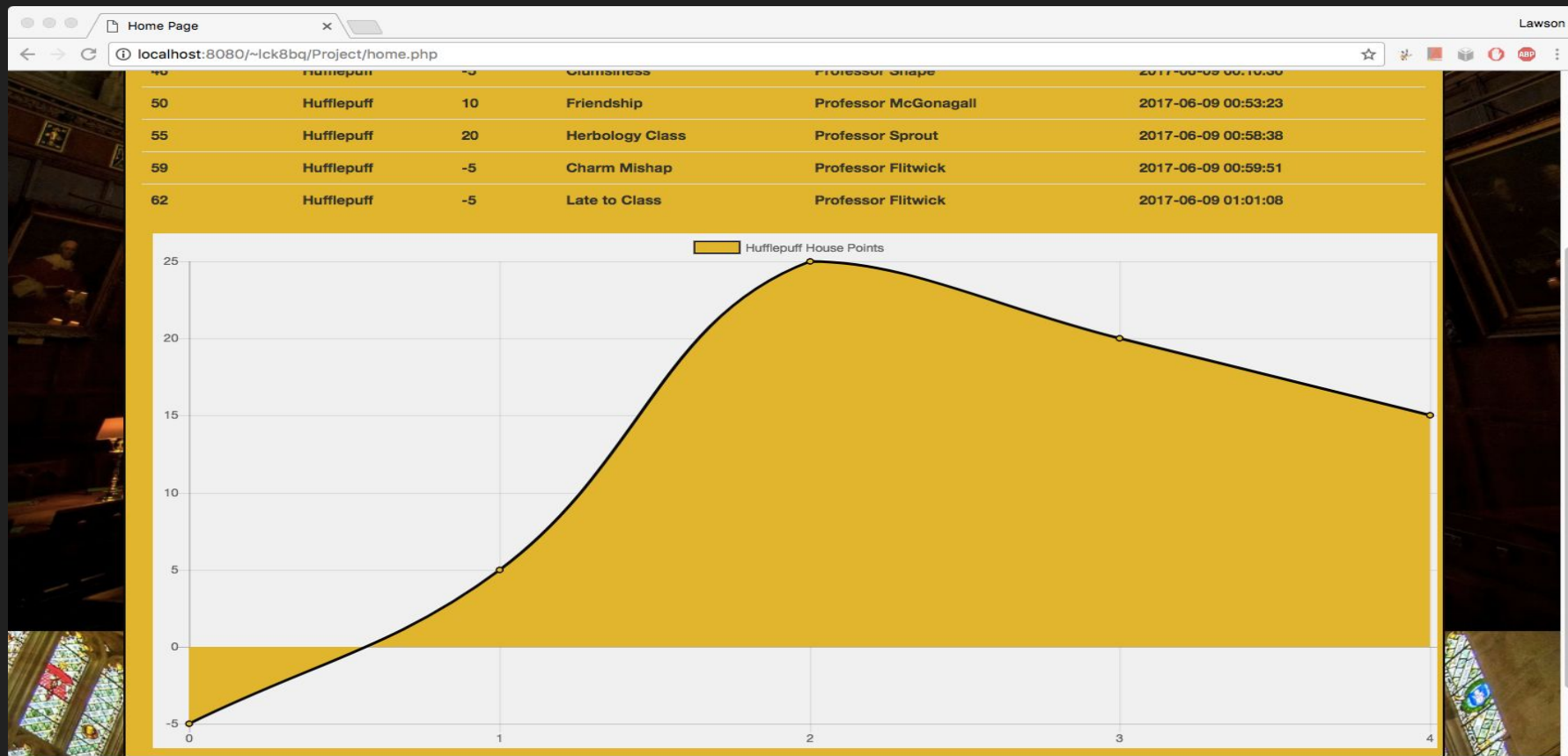
Award ID	House	Value	Reason	Professor	Date
45	Gryffindor	-10	Disruptive in Potions	Professor Snape	2017-06-09 00:10:18
49	Gryffindor	20	Transfiguration Exam Scores	Professor McGonagall	2017-06-09 00:11:40
53	Gryffindor	15	Mandrake Pulling	Professor Sprout	2017-06-09 00:57:37
58	Gryffindor	5	Wingardium Leviosa	Professor Flitwick	2017-06-09 00:59:37
63	Gryffindor	-10	Quidditch Foul	Professor Snape	2017-06-09 01:01:31



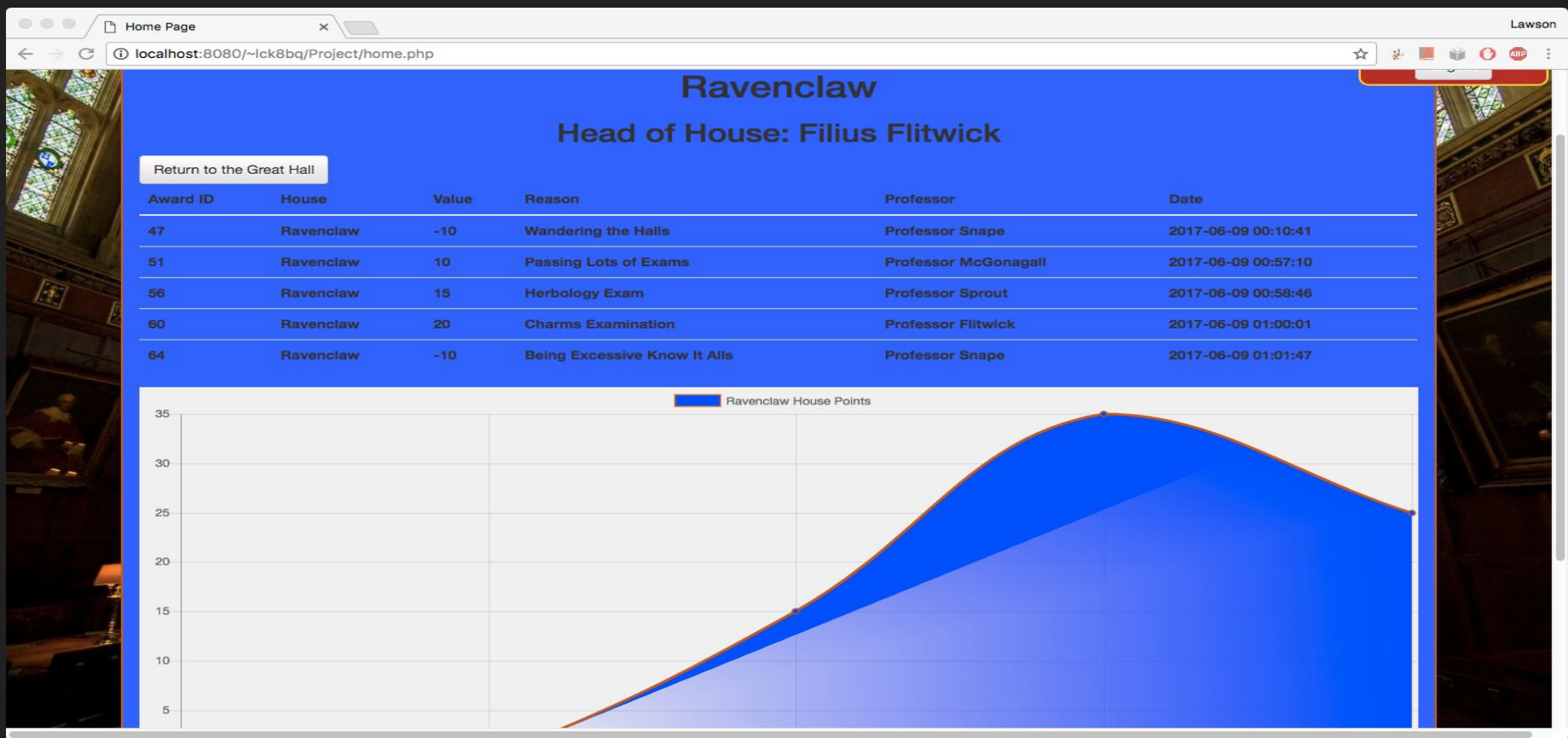
# Graphs of Point Totals



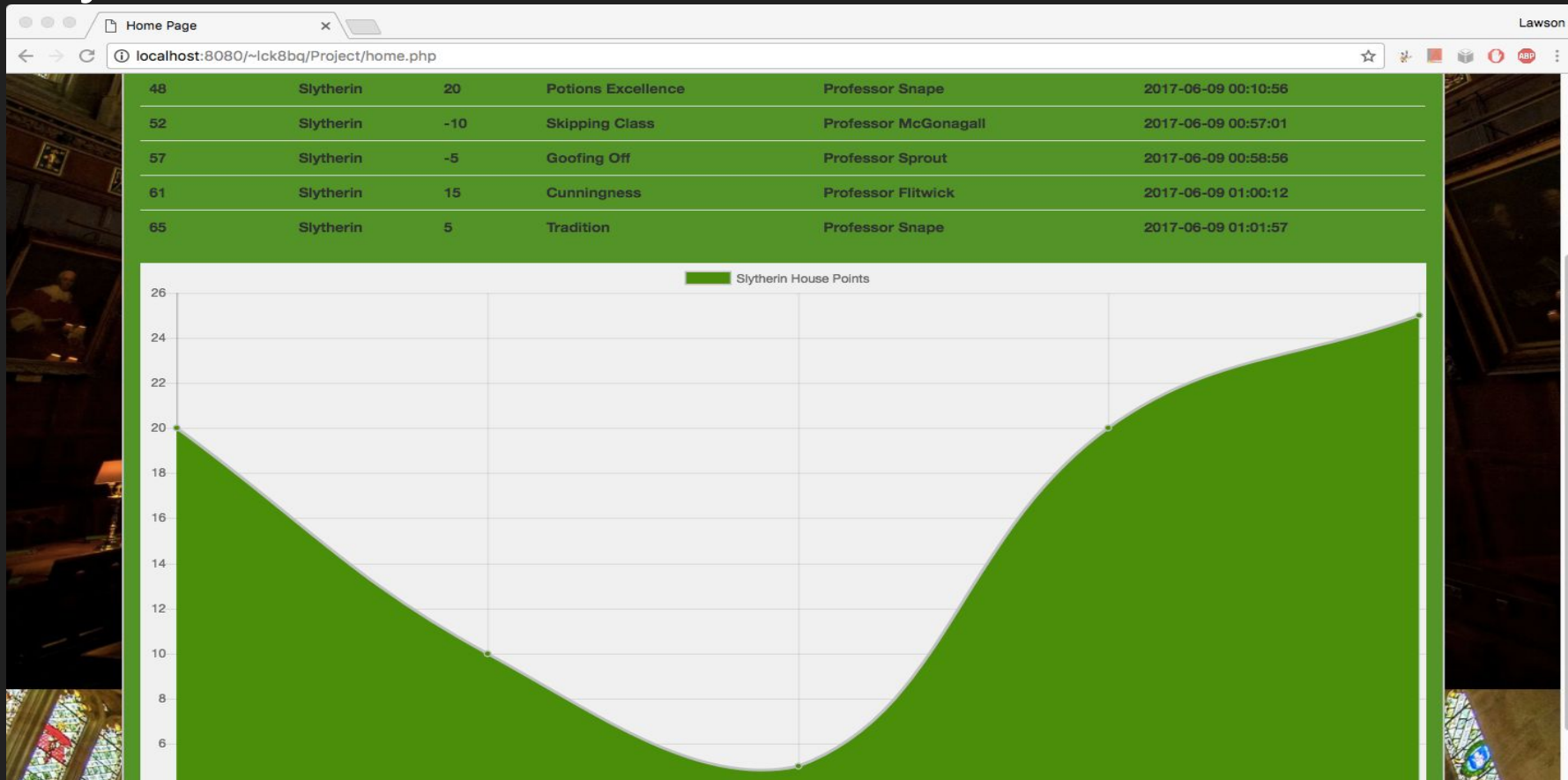
# Hufflepuff



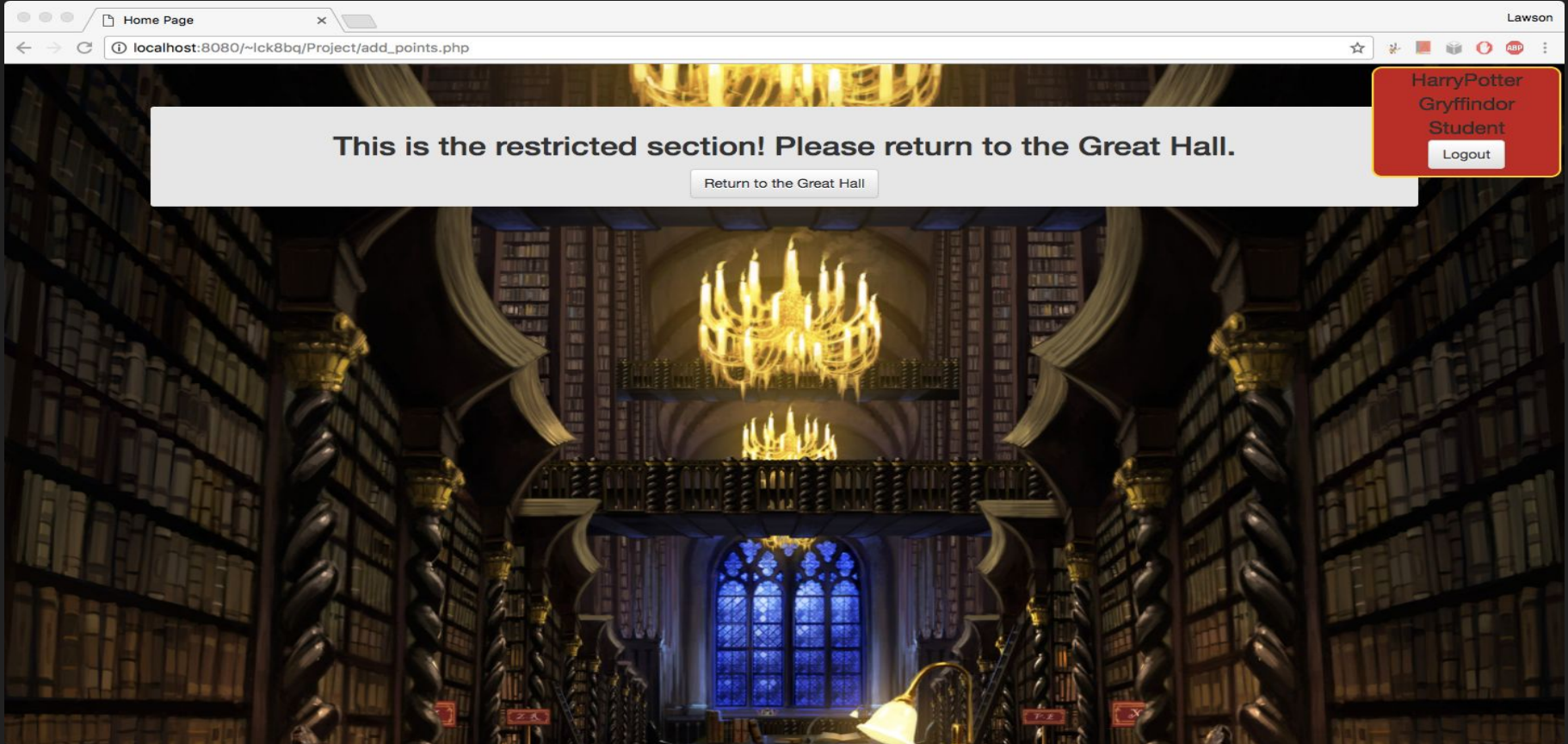
# Ravenclaw



# Slytherin



# Students Cannot Add House Points





# Registering a Professor User



Lawson

← → ↻ ⓘ localhost:8080/~lck8bq/Project/login.html ☆ 🗑 📄 📁 📂 📅 📆 📇 📈 📉 📊 📋 📌 📍 📎 📏 📐 📑 📒 📓 📔 📕 📖 📗 📘 📙 📚 📛 📜 📝 📞 📟 📠 📡 📢 📣 📤 📥 📦 📧 📨 📩 📪 📫 📬 📭 📮 📯 📰 📱 📲 📳 📴 📵 📶 📷 📸 📹 📺 📻 📼 📽 📾 📿 📠 📡 📢 📣 📤 📥 📦 📧 📨 📩 📪 📫 📬 📭 📮 📯 📰 📱 📲 📳 📴 📵 📶 📷 📸 📹 📺 📻 📼 📿

## Welcome to the Hogwarts House Points System

Username

Password

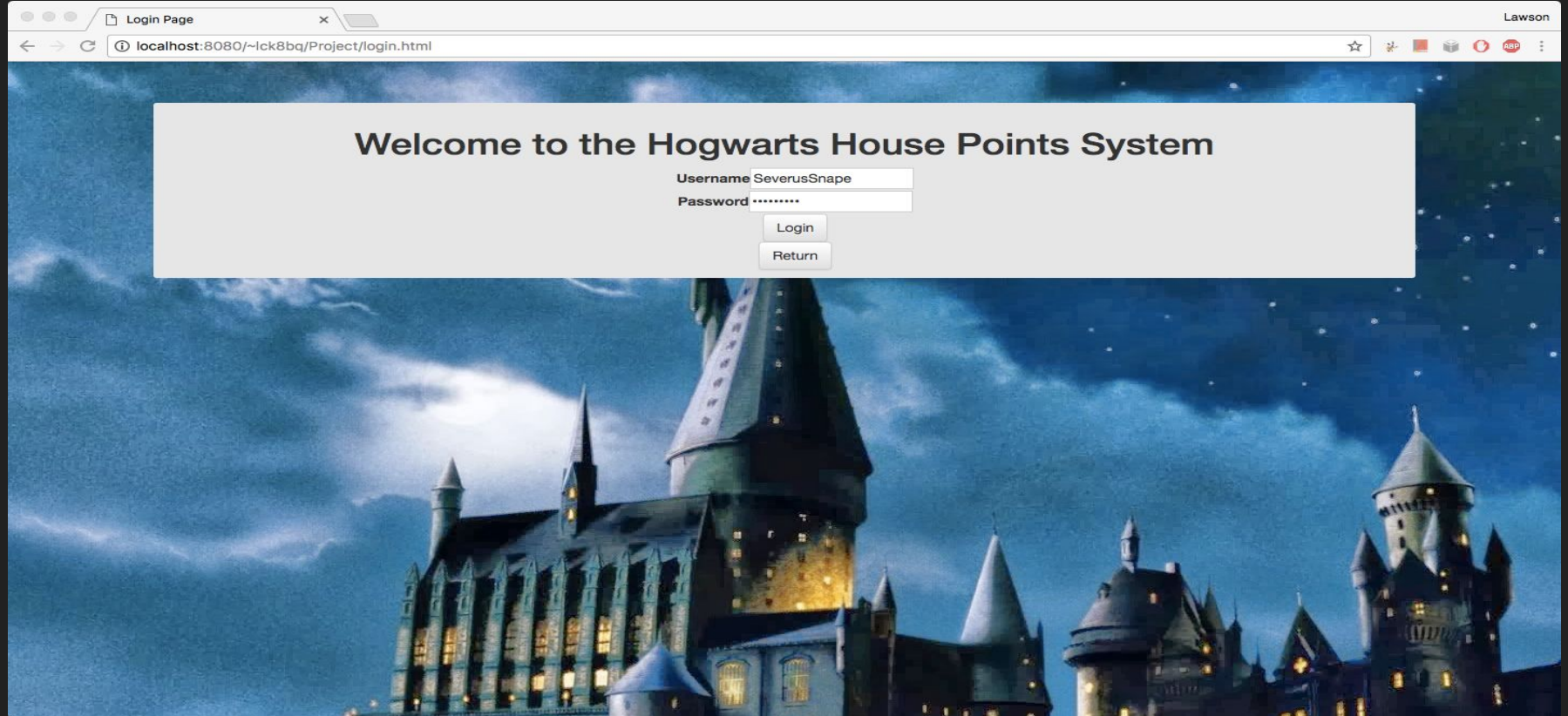
First Name

Last Name

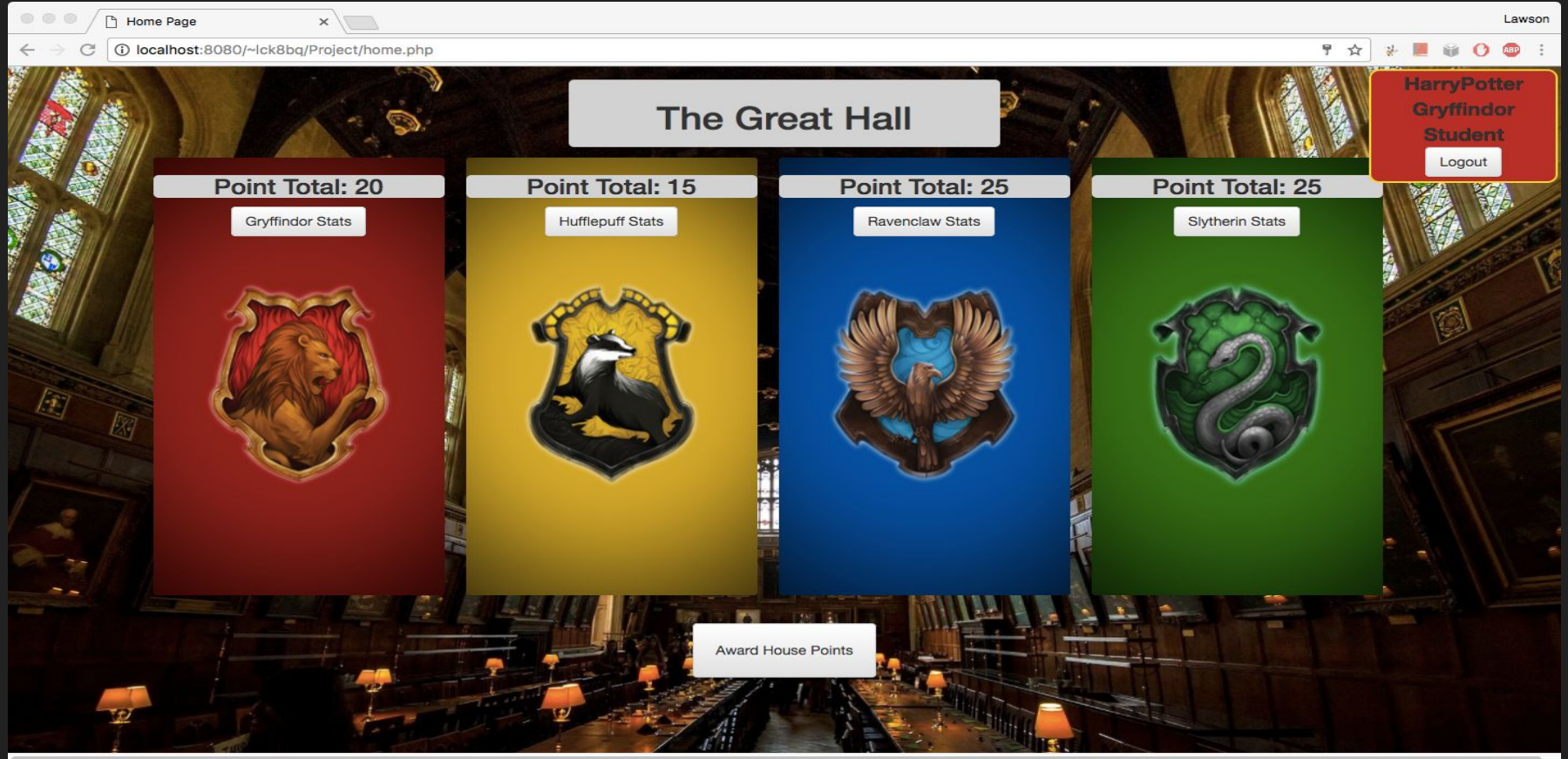
House

User Type

# Logging in as Snape

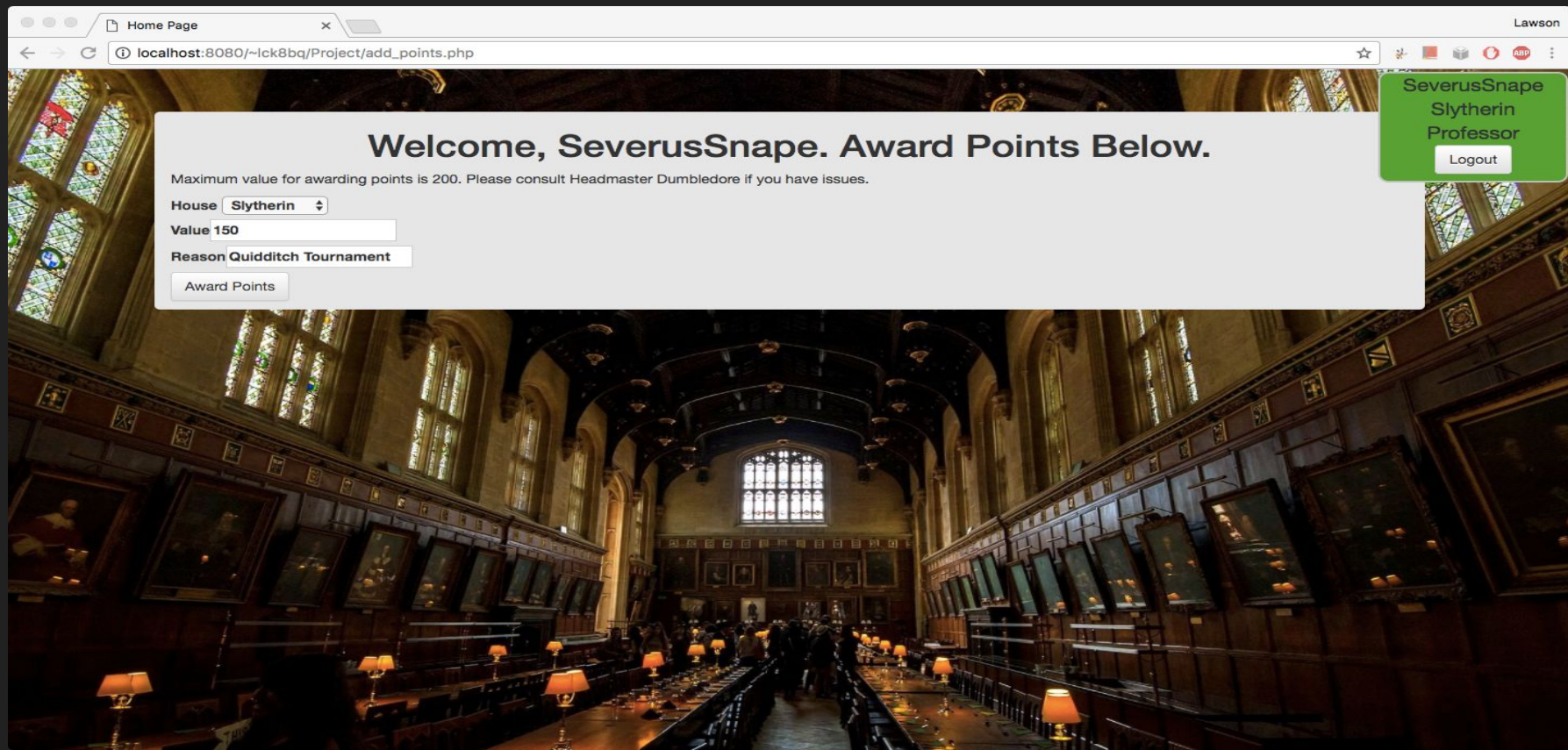


# Back Through The Great Hall





# Awarding Points to Slytherin



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/~lck8bq/Project/add\_points.php'. The page features a background image of the Slytherin common room. A central white box contains the following text and form elements:

**Welcome, SeverusSnape. Award Points Below.**

Maximum value for awarding points is 200. Please consult Headmaster Dumbledore if you have issues.

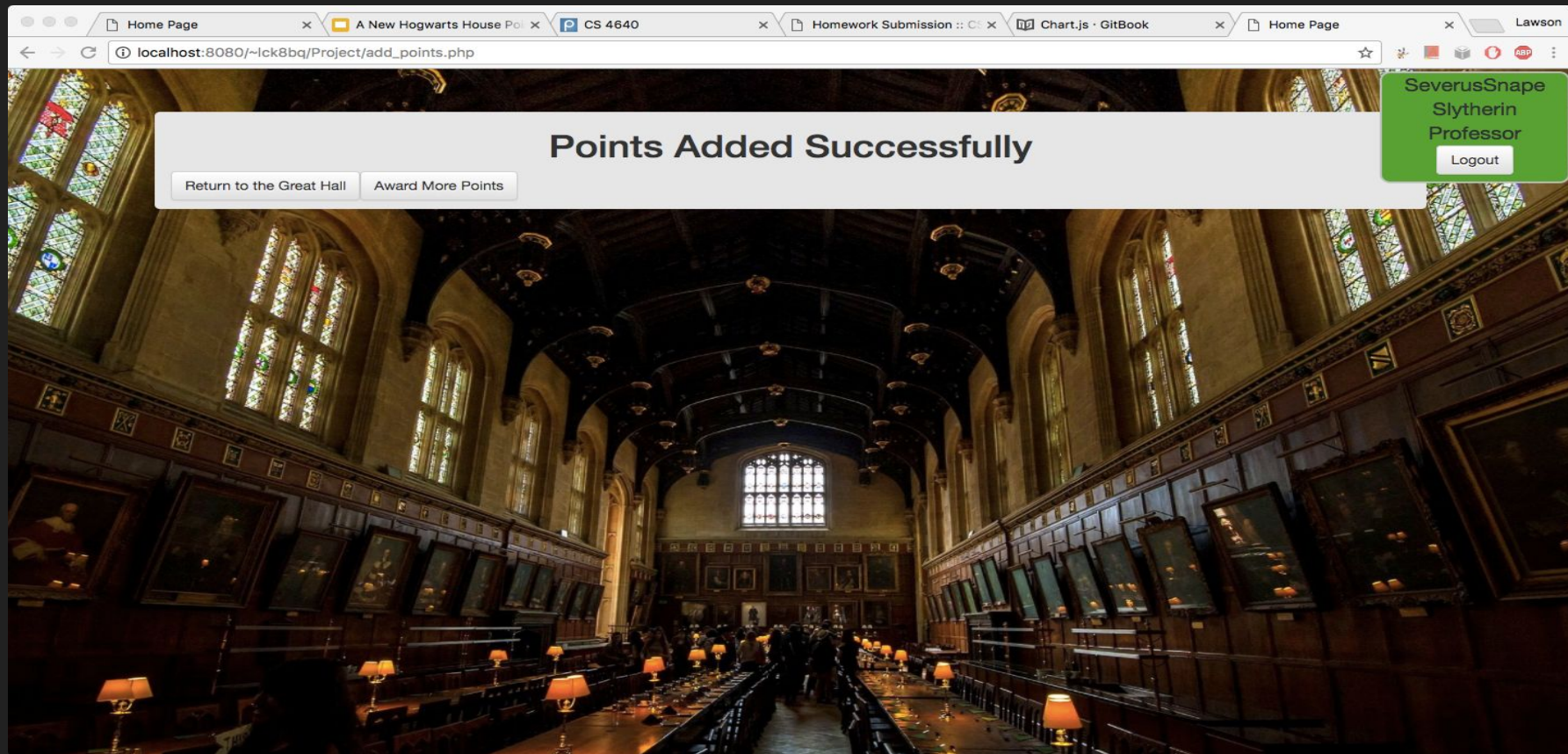
House **Slytherin** (dropdown menu)

Value

Reason

In the top right corner, a green box displays the user's name 'SeverusSnape', their role 'Slytherin Professor', and a 'Logout' button. The browser's top bar includes a 'Home Page' tab and a 'Lawson' user indicator.

# Points Added Successfully









# Slytherin Has Taken A Huge Lead

Home Page x

localhost:8080/~lck8bq/Project/home.php

Lawson

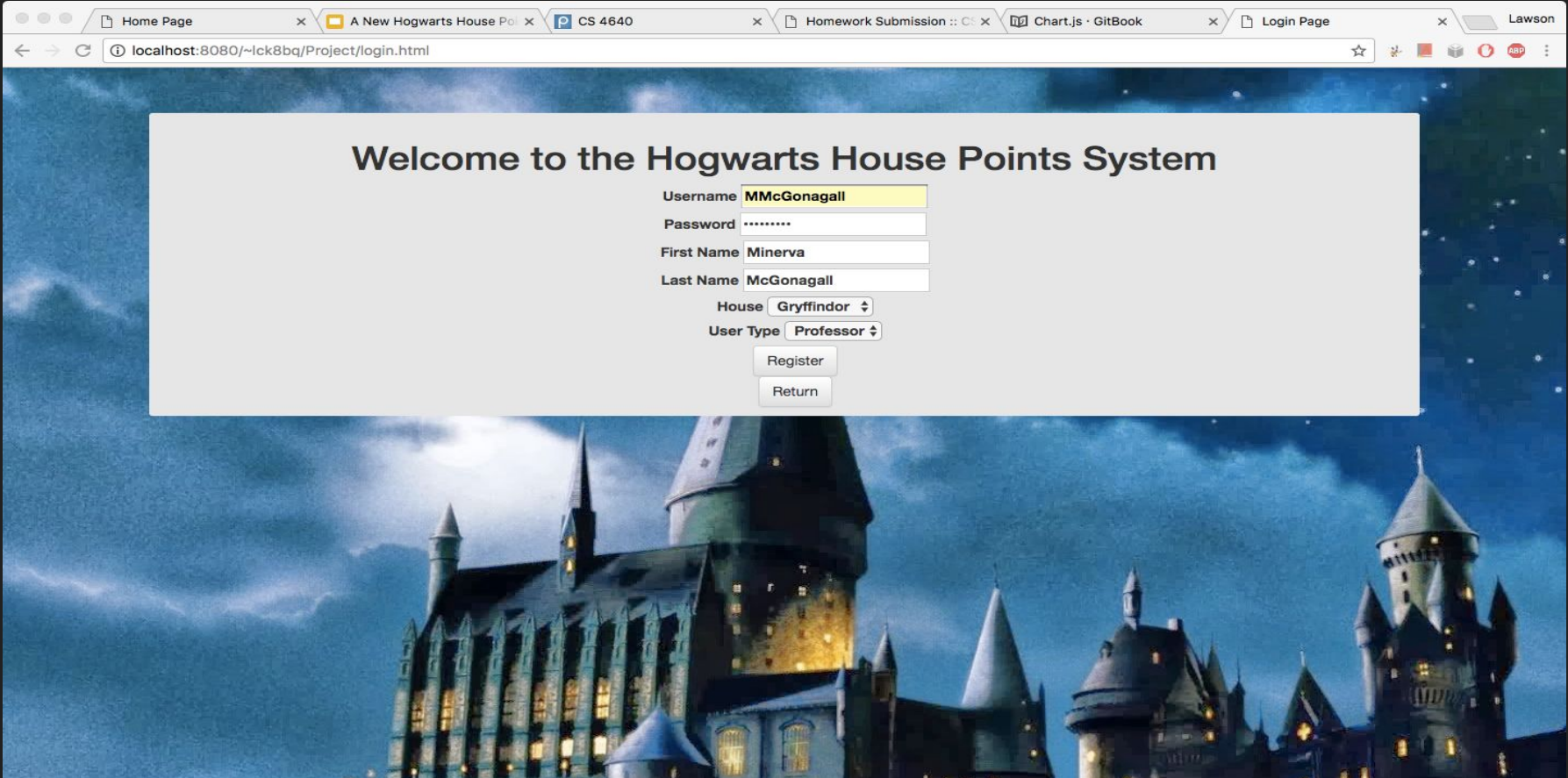
The Great Hall

Point Total: 20	Point Total: 15	Point Total: 25	Point Total: 175
Gryffindor Stats	Hufflepuff Stats	Ravenclaw Stats	Slytherin Stats
			

Award House Points

Severus Snape  
Slytherin Professor  
Logout

# A Different Professor Accesses the Site



Home Page x A New Hogwarts House Po x CS 4640 x Homework Submission :: CS x Chart.js · GitBook x Login Page x Lawson

localhost:8080/~lck8bq/Project/login.html

## Welcome to the Hogwarts House Points System

Username

Password

First Name

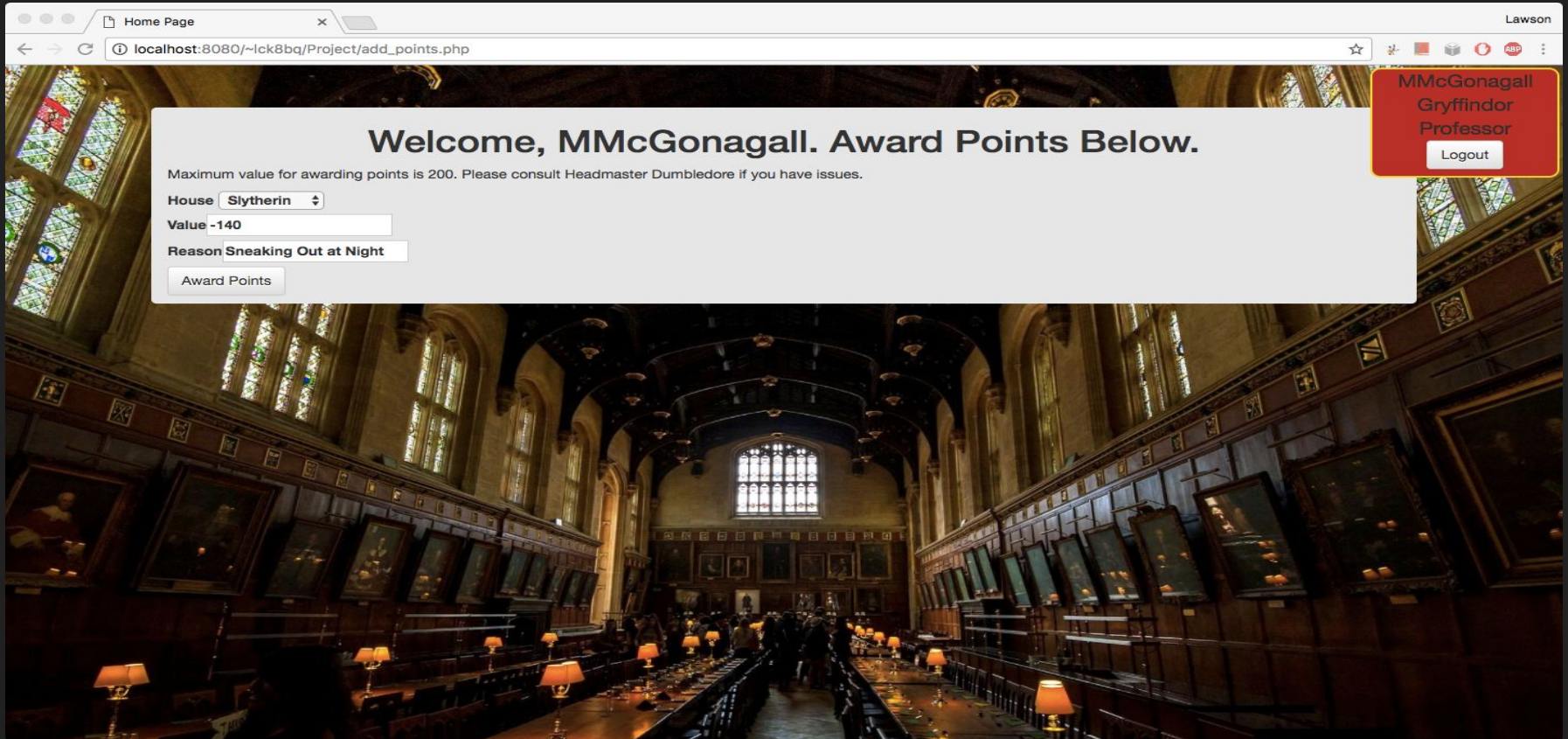
Last Name

House

User Type



# Professor McGonagall Accesses the Site







# Slytherin Loses 140 Points

Home Page x A New Hogwarts House Poi x CS 4640 x Homework Submission :: CS x Chart.js · GitBook x Home Page x Lawson

localhost:8080/~lck8bq/Project/home.php

## The Great Hall

Point Total: 20	Point Total: 15	Point Total: 25	Point Total: 35
Gryffindor Stats	Hufflepuff Stats	Ravenclaw Stats	Slytherin Stats
			

MMcGonagall  
Gryffindor  
Professor  
Logout

Award House Points

# The Rise and Fall of Slytherin





# Notes

- Why use it? If you're a competitive wizard involved in education and you happen to know how computers work.
- You could alter this system to track points/data about different groups/teams against one another.
- Main feature I didn't get to was graphing the data of all 4 Houses on one central graph.