Youth Homelessness Project

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Software Development Project

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# Youth Homelessness Project

# Continuing the Youth Homelessness Project where the previous team left off, our goal was to conclude the project by completing the development, testing, and deployment.  The objective for the Youth Homelessness Project was to create a Java web application that collects data through a voluntary survey hosted by the City of Orlando.  The users of this survey are provided with resources for support based on their survey responses.  All survey information is anonymous and provides updated real-time reports of instances of homelessness, food insecurity, and other information to the City of Orlando.

The Youth Homelessness Project’s goal is to provide a java web application for people specifically college age youths to access resources and information that are available to them to help them with their needs. The web app will provide users with a survey that will allow the resources to be sorted and presented to the user based on their individual needs. The survey will have the dual purpose of providing the city of Orlando with information on what resources are being accessed and what areas might need more resources and funding.

Requirements

· Users able to submit anonymous responses to the survey.

· Users are provided resource information based on survey responses.

· Analysis of survey responses are available to authorized roles.

· Questions can be updated, added, or adjusted to current resource information available to authorized roles.

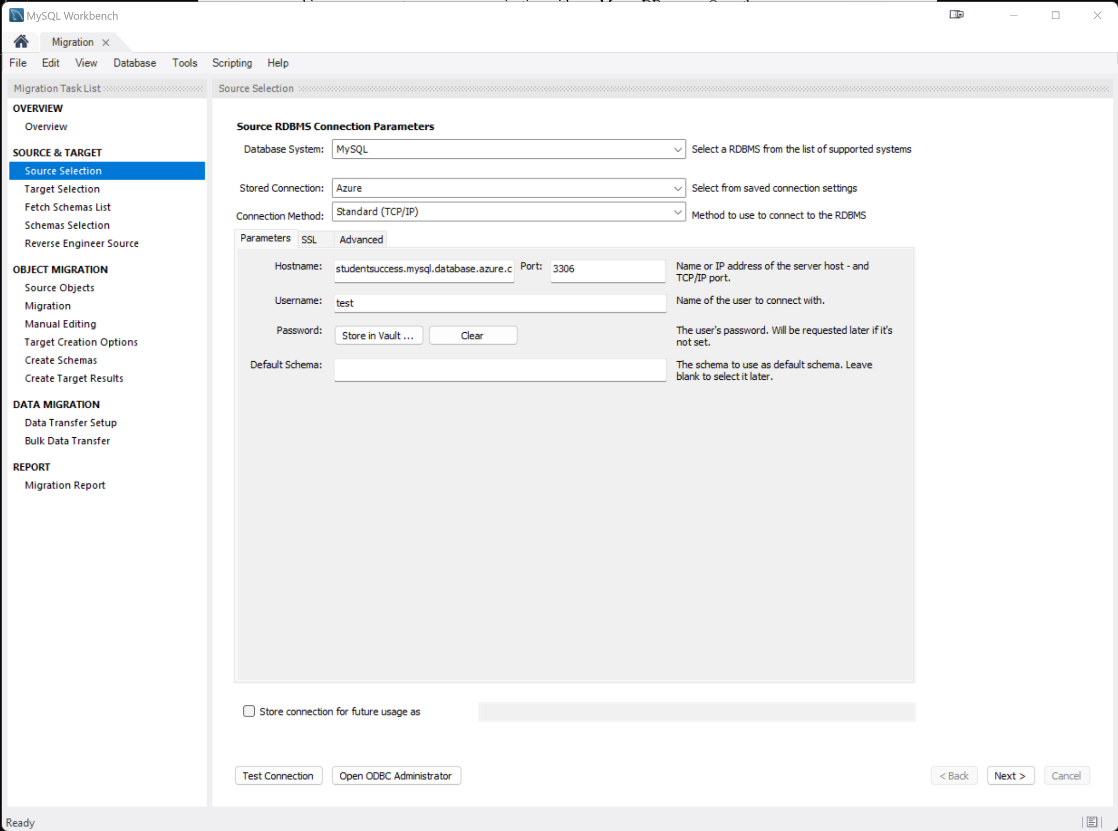
· Administrative users can adjust account information for the application.

# Azure Web app setup

# We our hosting our web app using Azure’s Web App. The page for our app is yhp.azurewebsites.net

# Azure Database setup

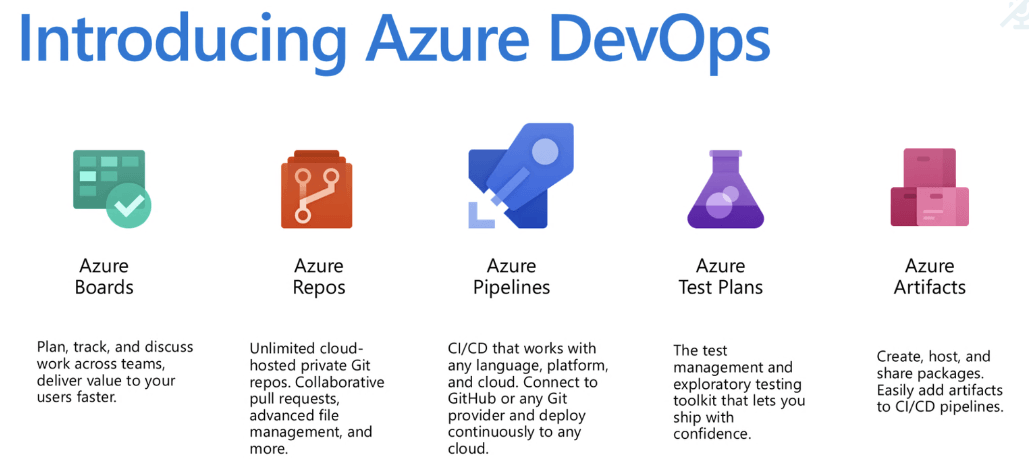
Following from previous semesters, we had our mock data setup in MySQL. Within Azure, we created an Azure Database for MySQL flexible server. Using the MySQL Workbench’s data migration tool, we were able to transfer our mock data into the Azure hosted database.



# Development Environment

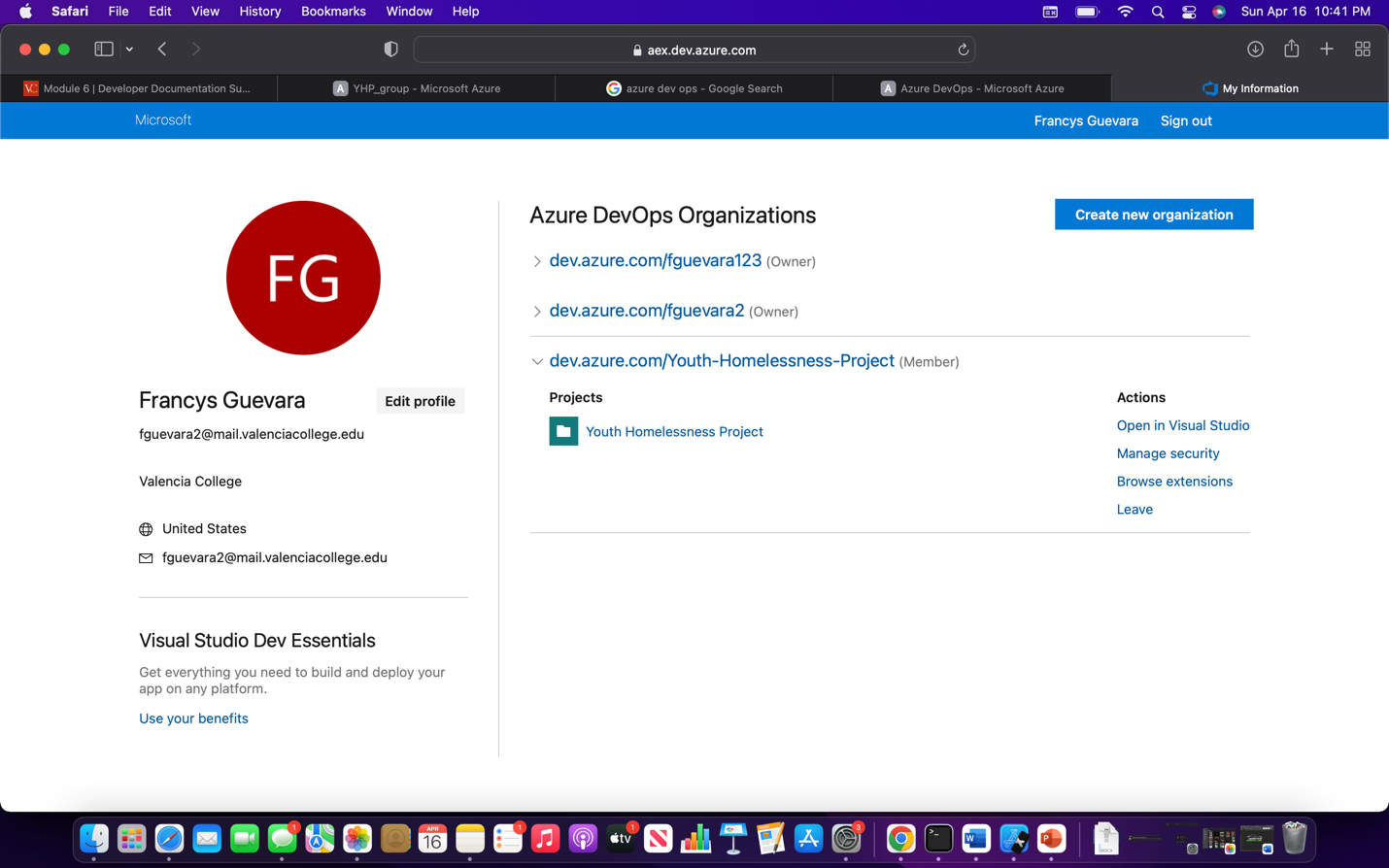
## IDE

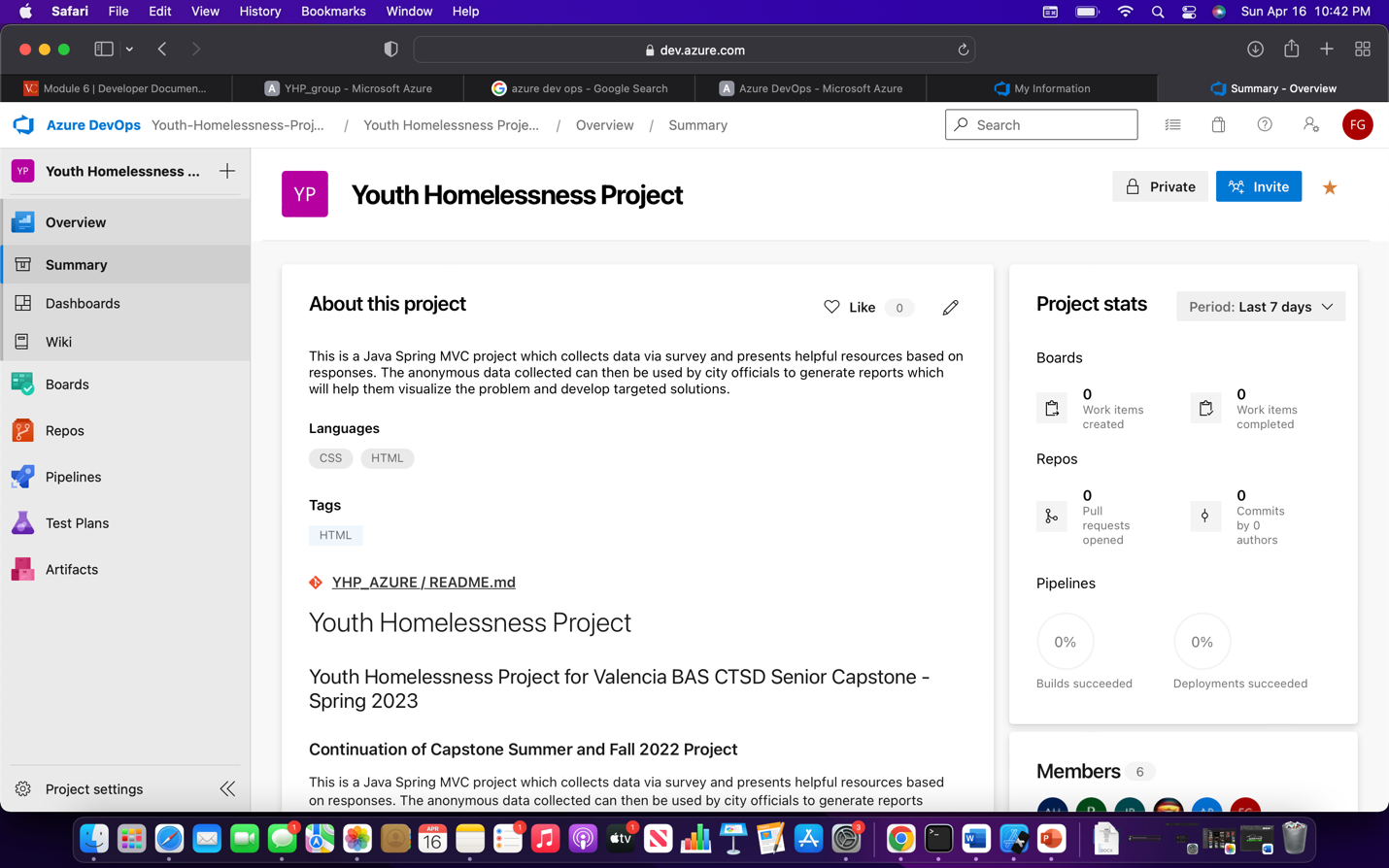
The IDE we used for this project is Azure DevOps. Azure DevOps is a software as a service (SaaS) platform that provides DevOps practices and tools for the end-to-end software life cycle. Azure DevOps is not limited to internal tools but is able to integrate with most other industry leading Dev Ops tools.



As a team we came together and agreed that Azure DevOps would be beneficial for all of us to continue this project with this software due to easy access, don’t have to buy a subscription, you can easily work with what it offers you. So as a team we decided to migrate from AWS to Azure

Our Team leader gave us all access to the Youth Homelessness Project where we can all go in individually and work on the code and assignments without disturbing each other’s work.





## How to Install IntelliJ IDEA

To Edit the files with Local IDE these are the steps we used.

1. Install the Azure DevOps plugin.
2. Click the "Get From VCS" button.
3. Select "Azure DevOps Git" for Version control.
4. Click Clone.
5. Follow Sign In prompts.
6. Select YHP\_AZURE as the repository.
7. Choose your preferred parent directory.
8. Click Clone.

## Database Connection

URL: jdbc:mysql://studentsuccess.mysql.database.azure.com:3306?serverTimezone=UTC&useSSL=true&requireSSL=false

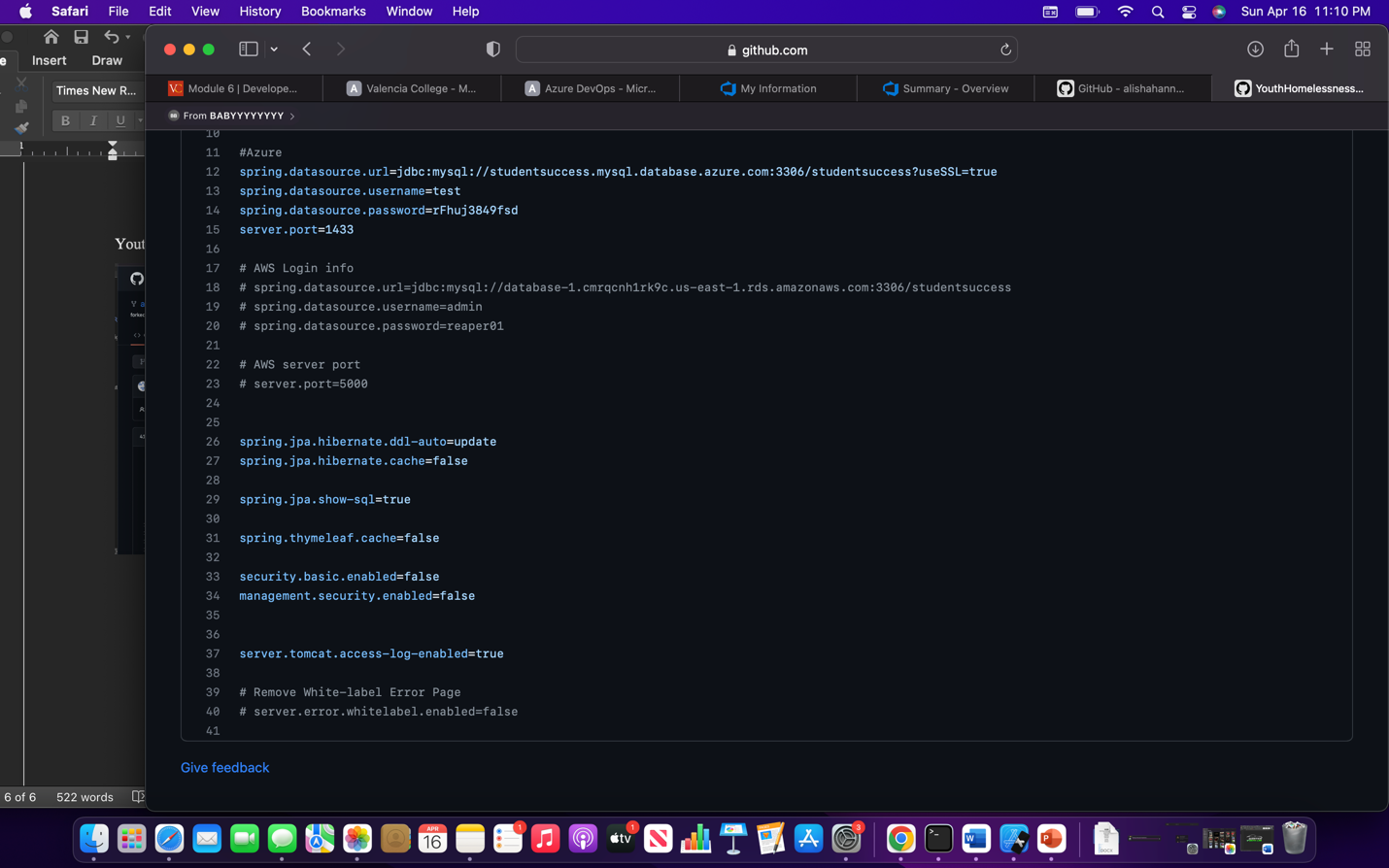
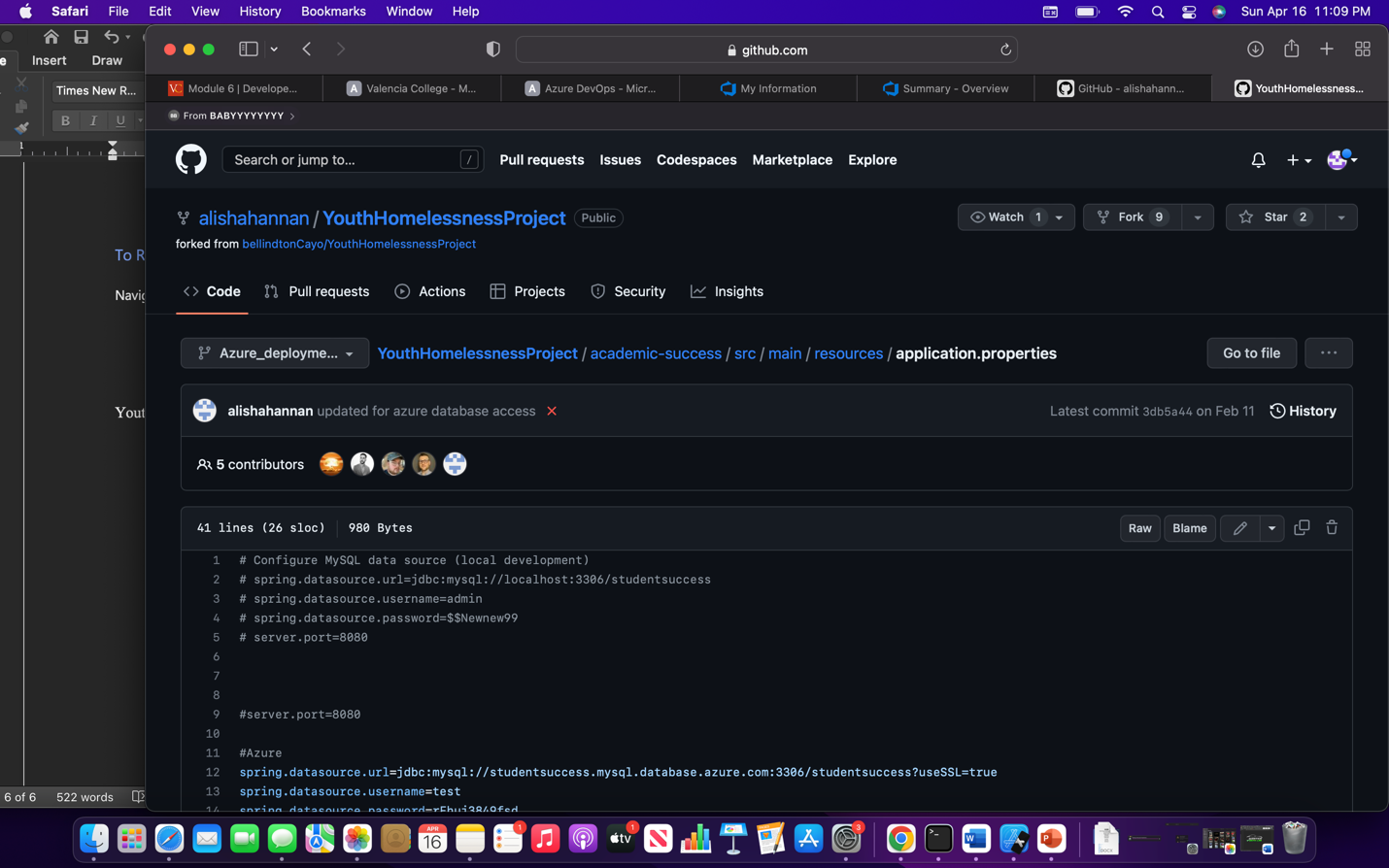
Database Login

User: test

Password: rFhuj3849fsd

To Run Program In Azure DevOps

Navigate to Pipelines and Run the Youth Homelessness Project-Maven-CI pipeline

Youth Homelessness project on GITHUB

The git repository is easily cloned into Azure DevOps

Graphical user interface, text, application

Description automatically generated

Pipelines Setup

In Azure DevOps, our Pipeline is set up using our YHP\_AZURE repository within Azure DevOps. The YAML for our Pipeline settings are included here:

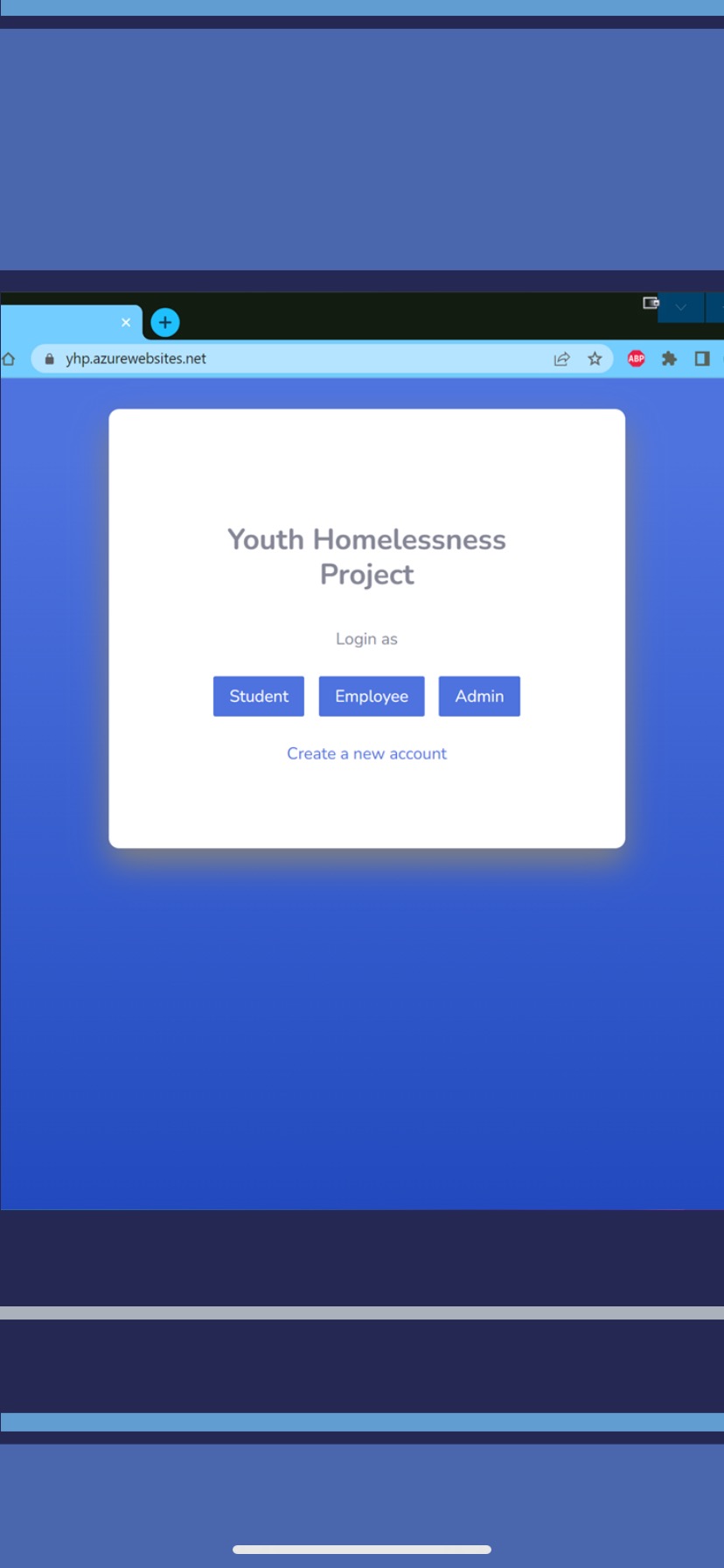
Text

Description automatically generated

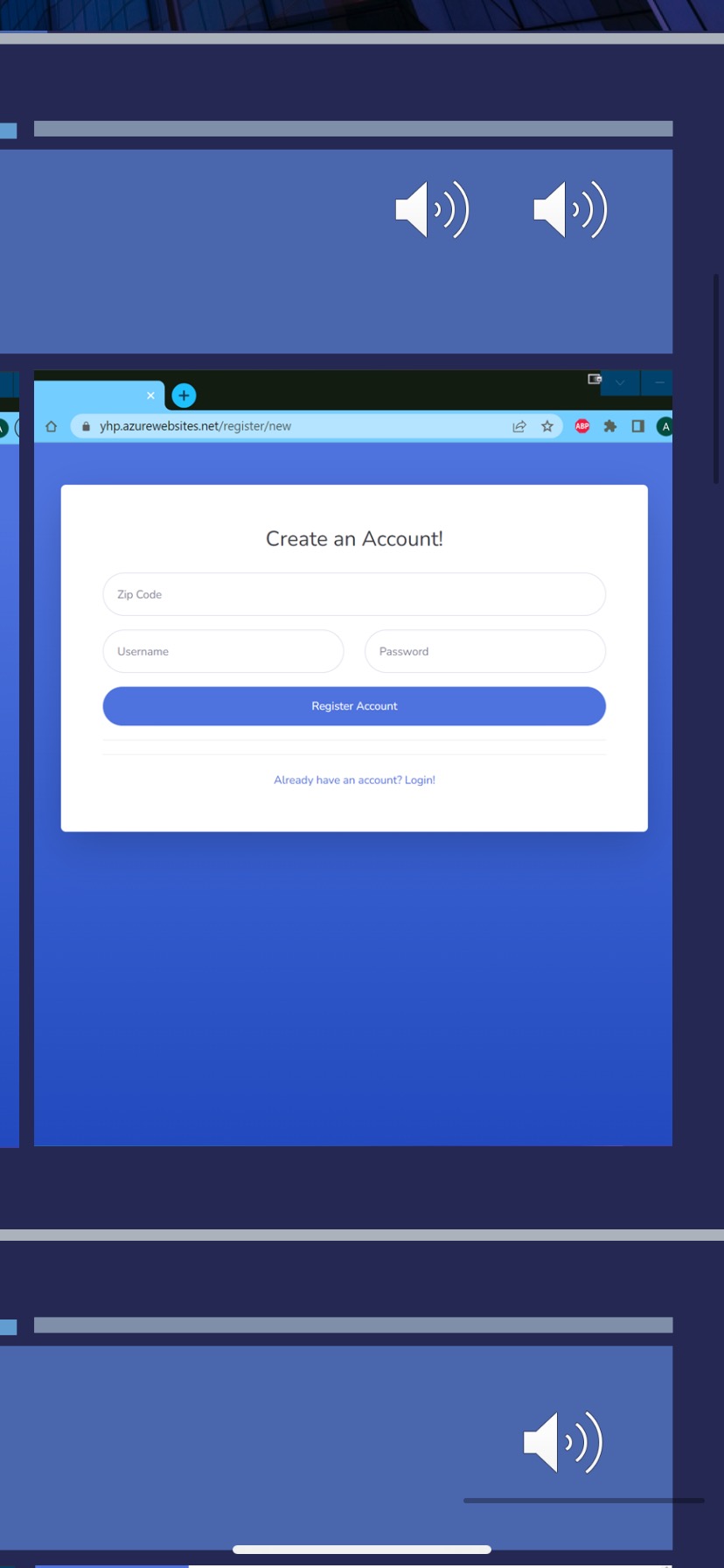
Using this pipeline, we are able to deploy releases to the Web application.

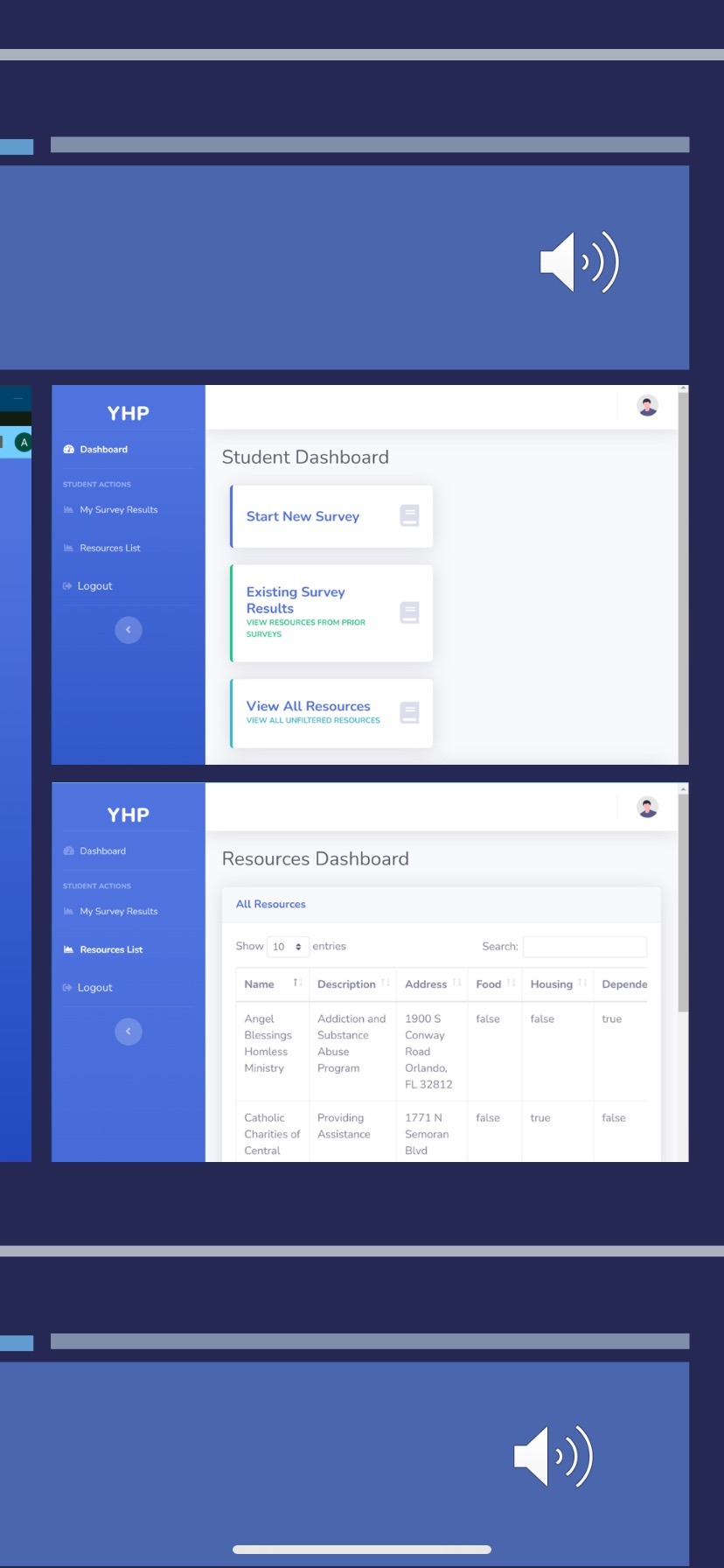
Youth Homelessness App View:

Main Page where you would be able to sign in as according to who you are.

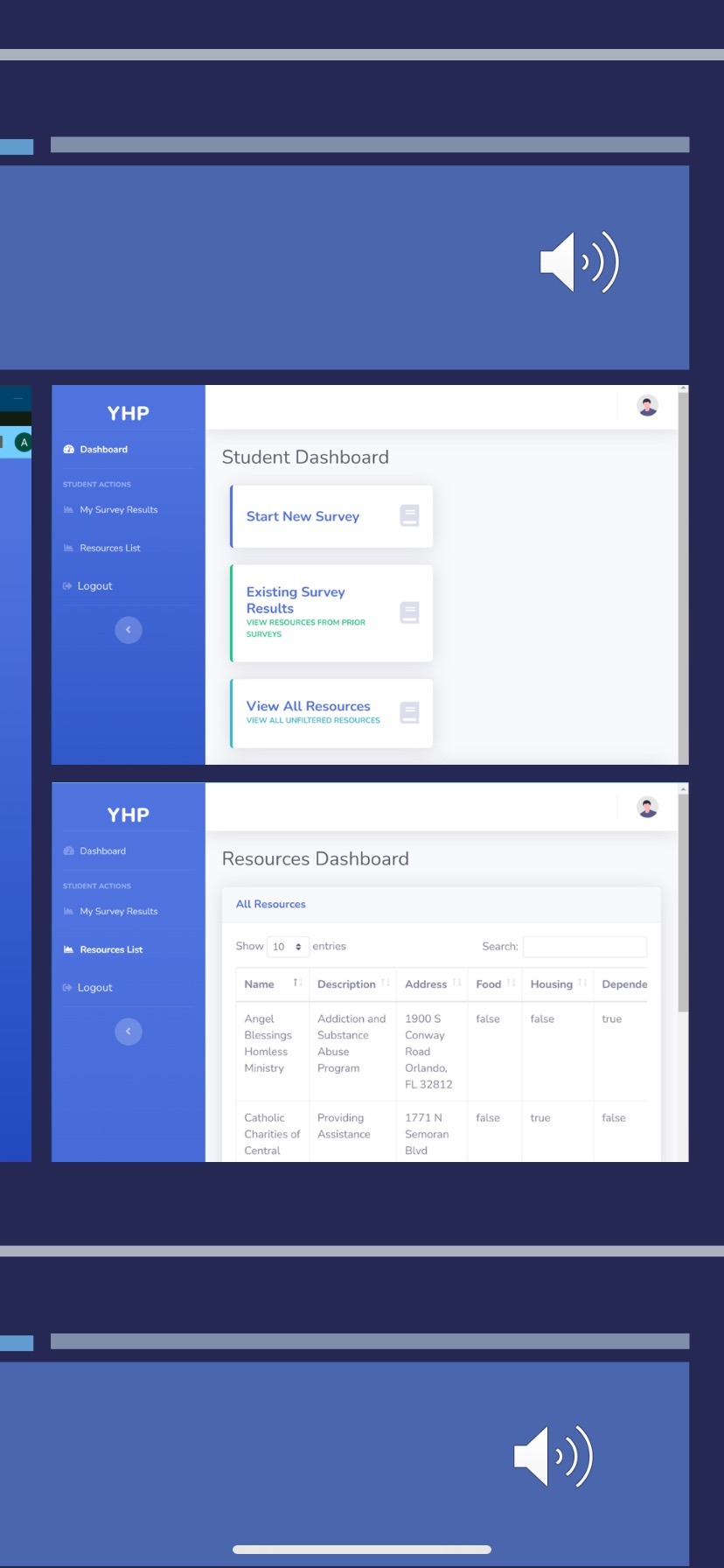


If you are signing in as a Student and you don’t have an account, this screen will allow the user to create an account.

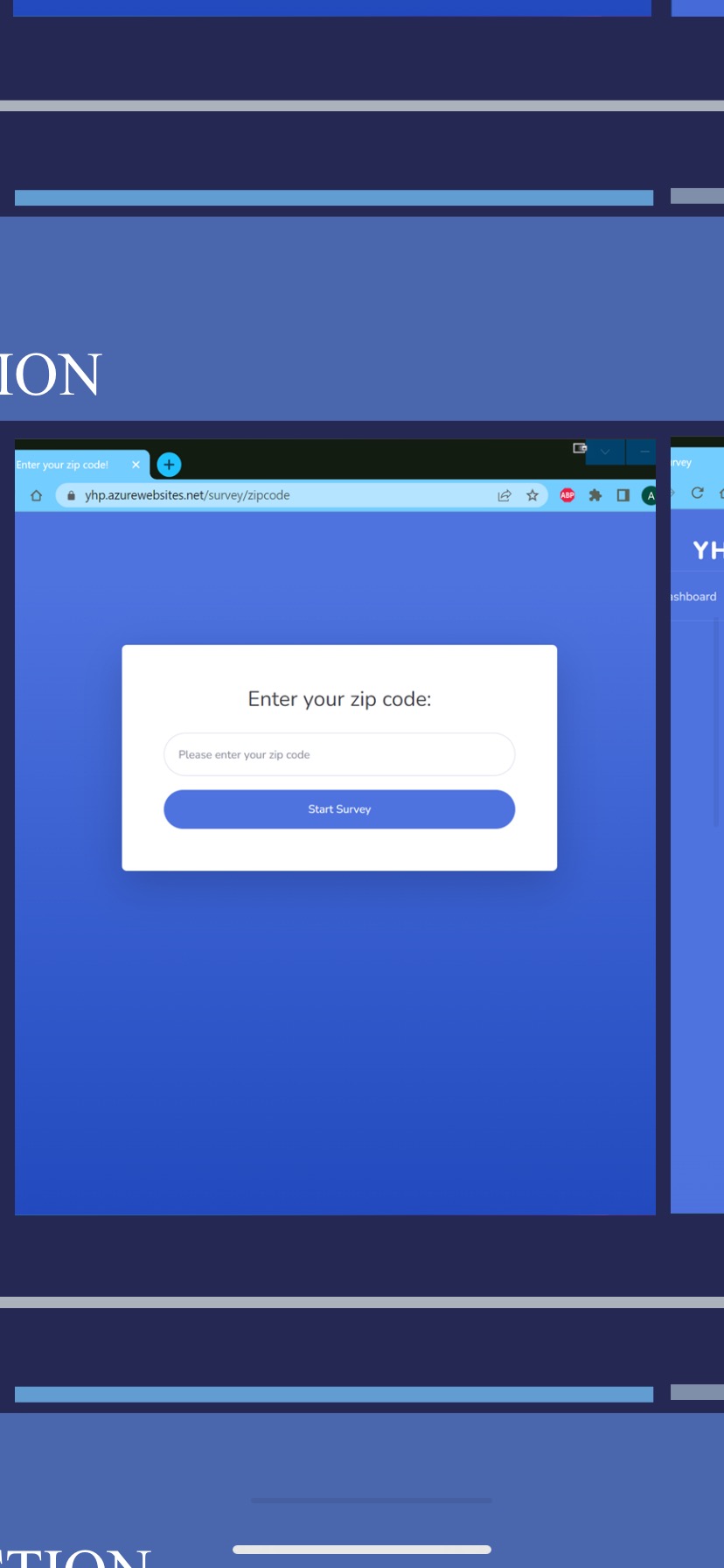


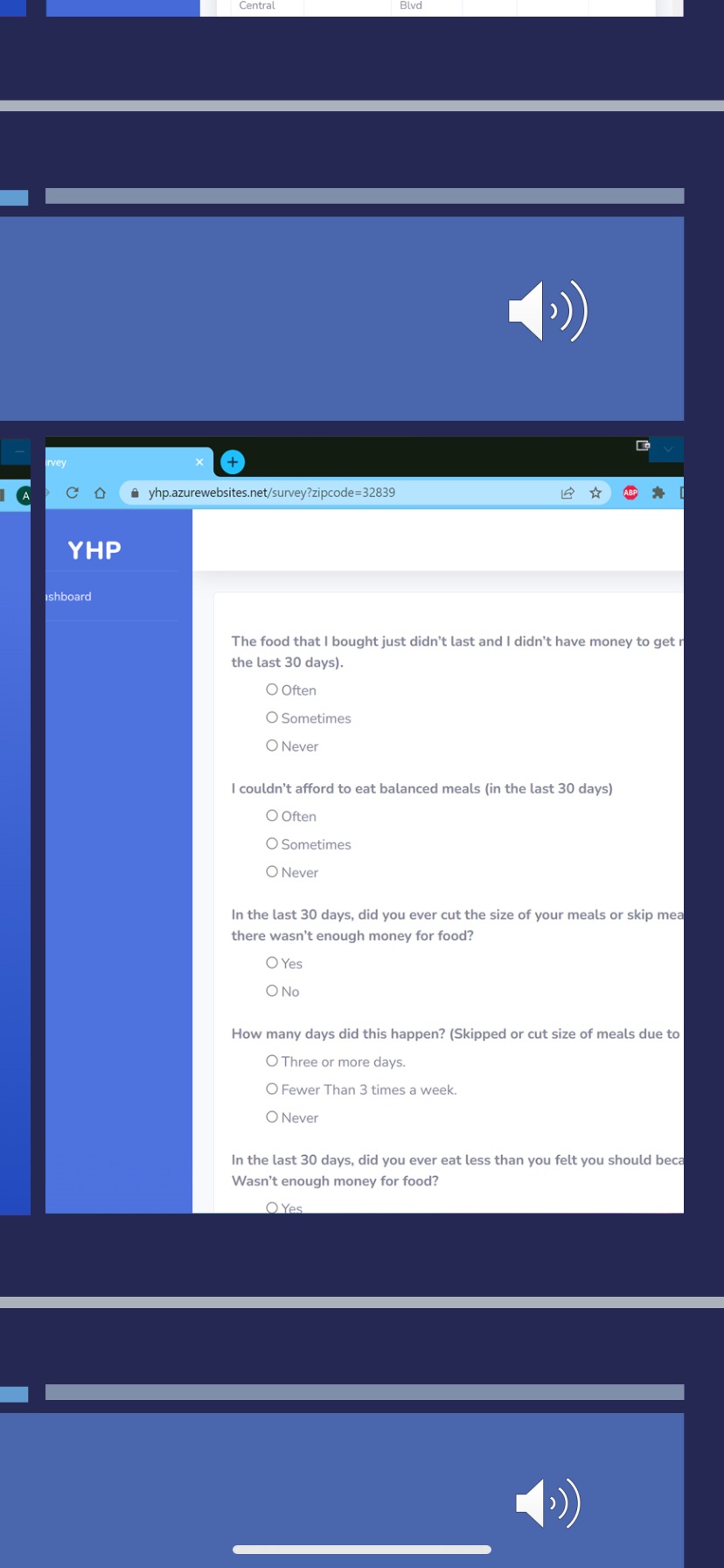
Once you have created an account you would be able to Log in as a Student. 

Student View

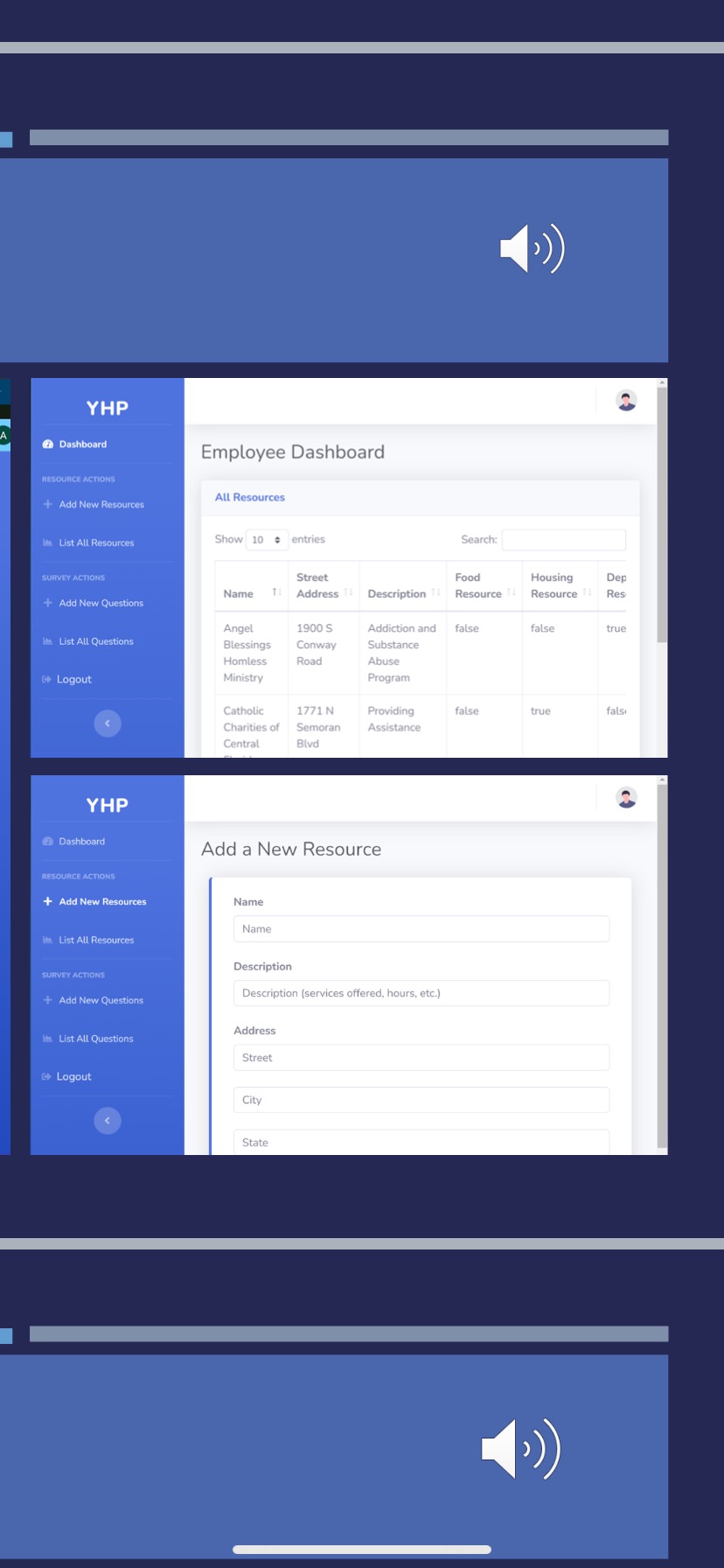
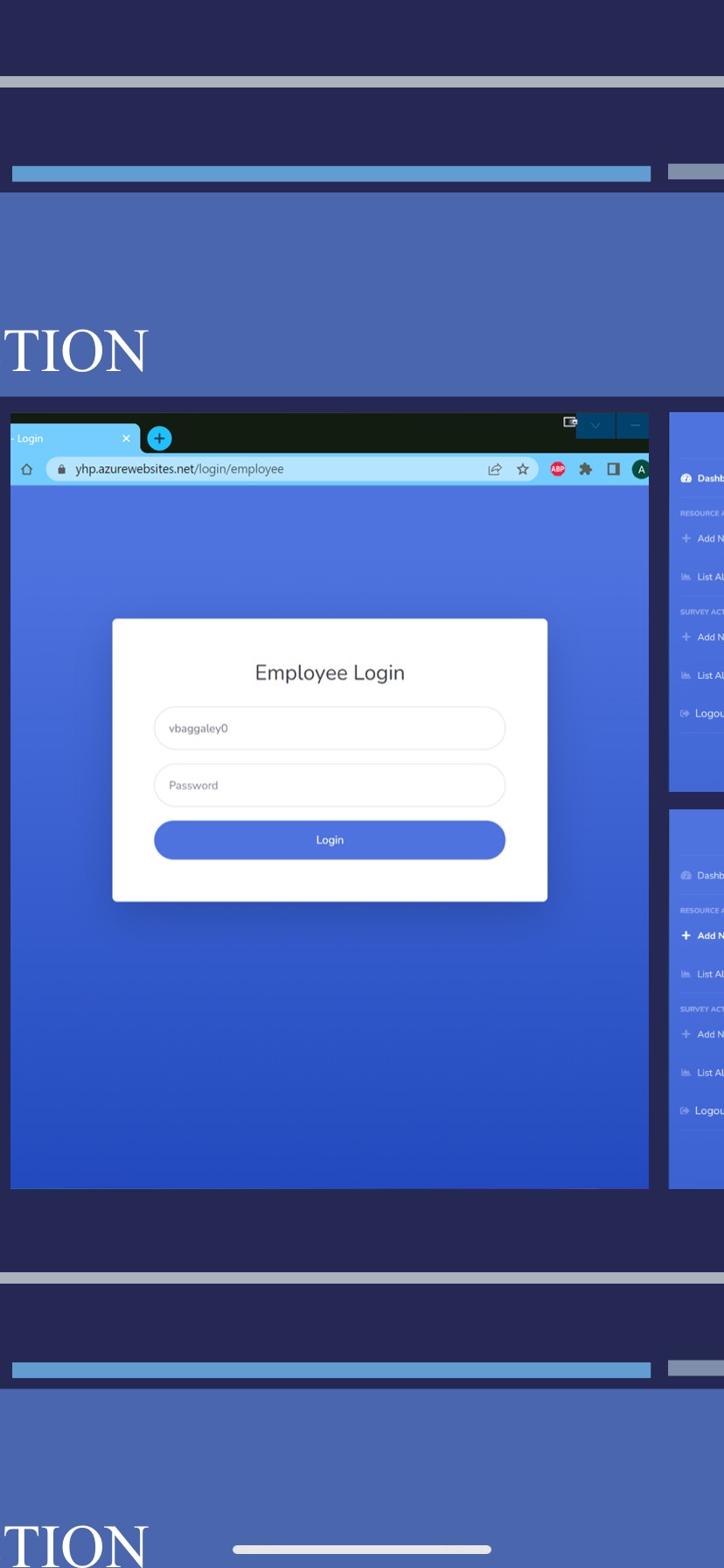


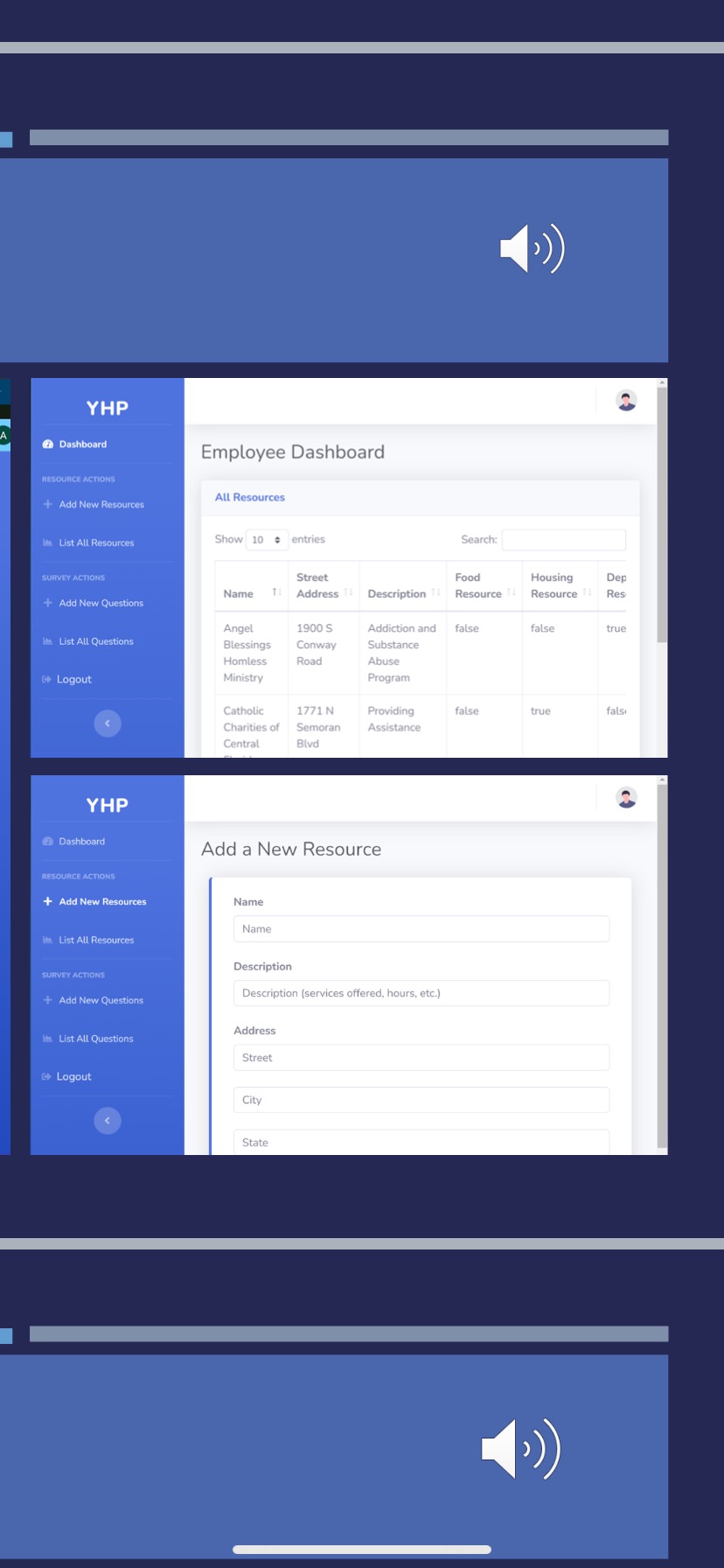
To take a survey, you would need to first put in your zip code so you can get the information according to where you live.

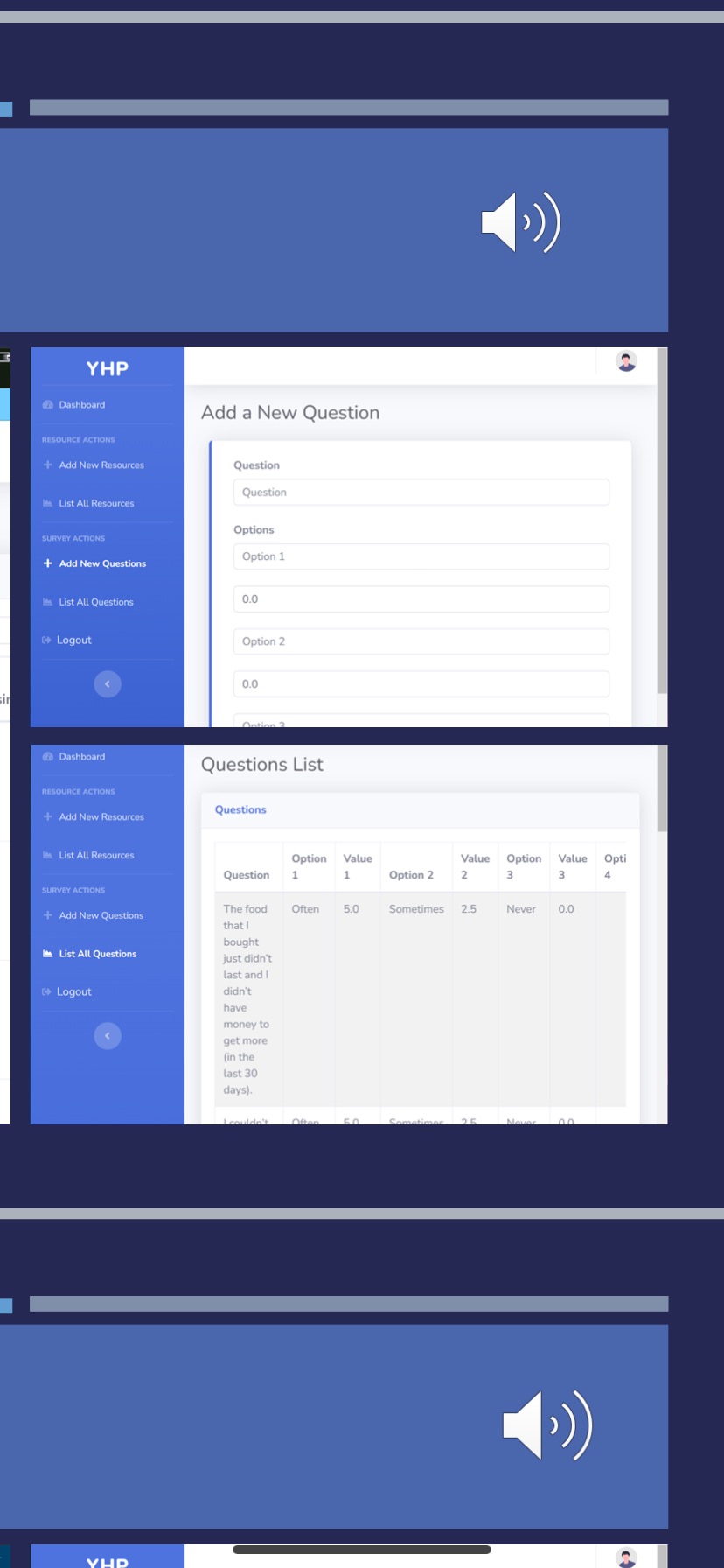


After putting the zip code, it will allow you to take the survey 

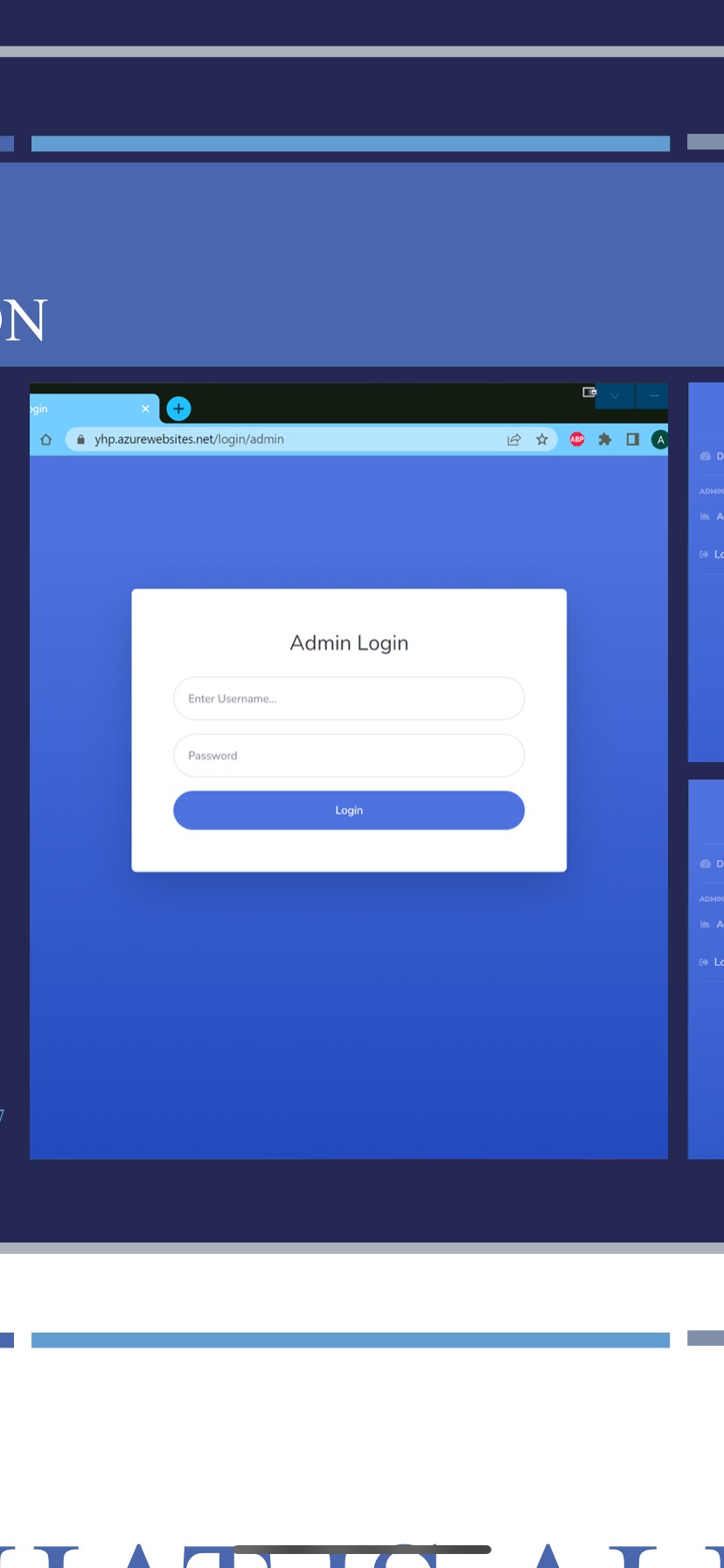
Employee Log in View



Employee is able to add a new resource for students to have 

As well as questions and answers that will lead them to the resource depending on the student zip code they entered

Admin View



Admin can Update/delete user information 