**Week 5 – Final Project**

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CST 310: Software Development

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**The Employee Portal Website – Final Project**

This paper discusses the steps to create working employee portal website that retrieves employee information from the database. The document includes screenshots of the Employee Portal Website pages and with source code. An employee portal assists employees and managers in ensuring their data is correct in the system.

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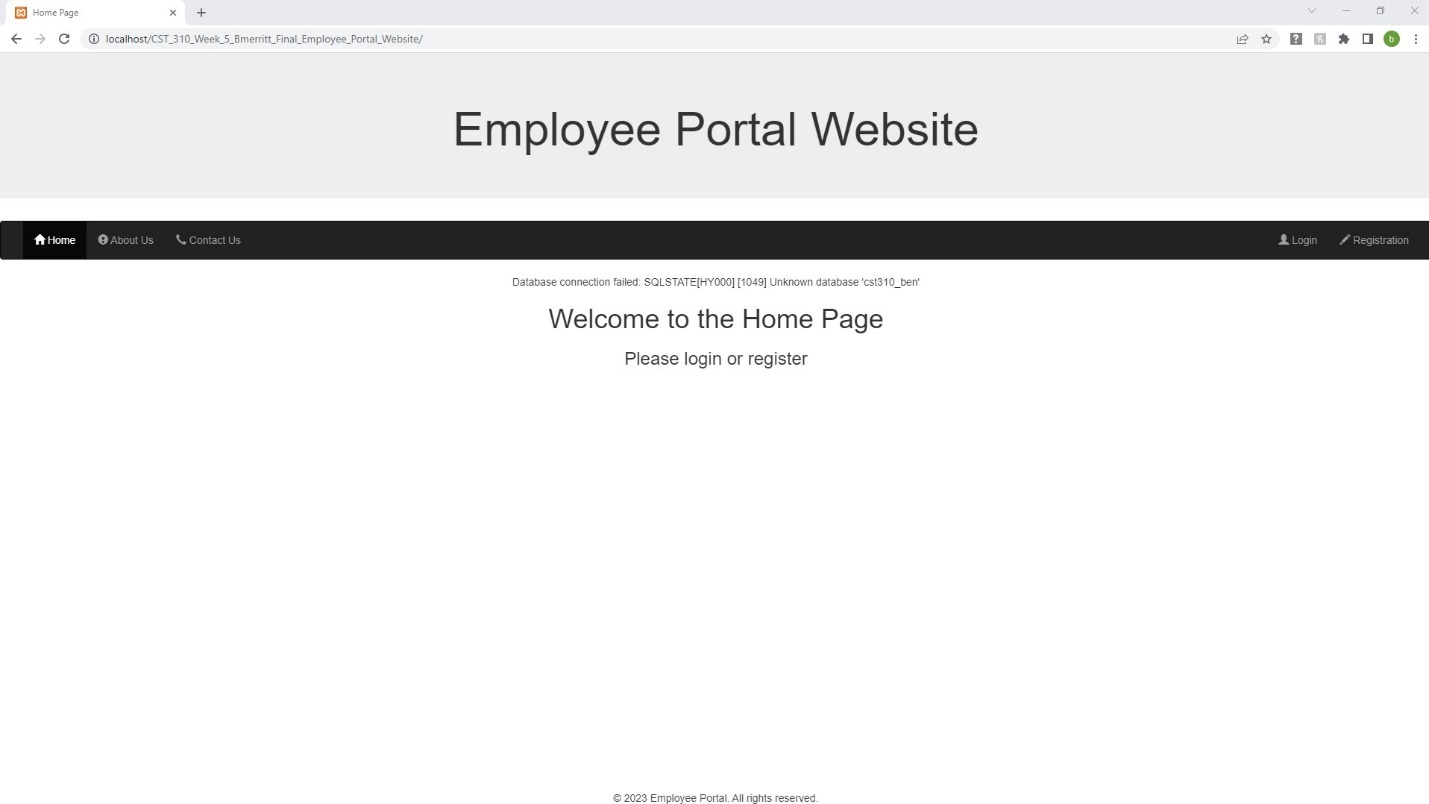


Figure . Website not connected to database.

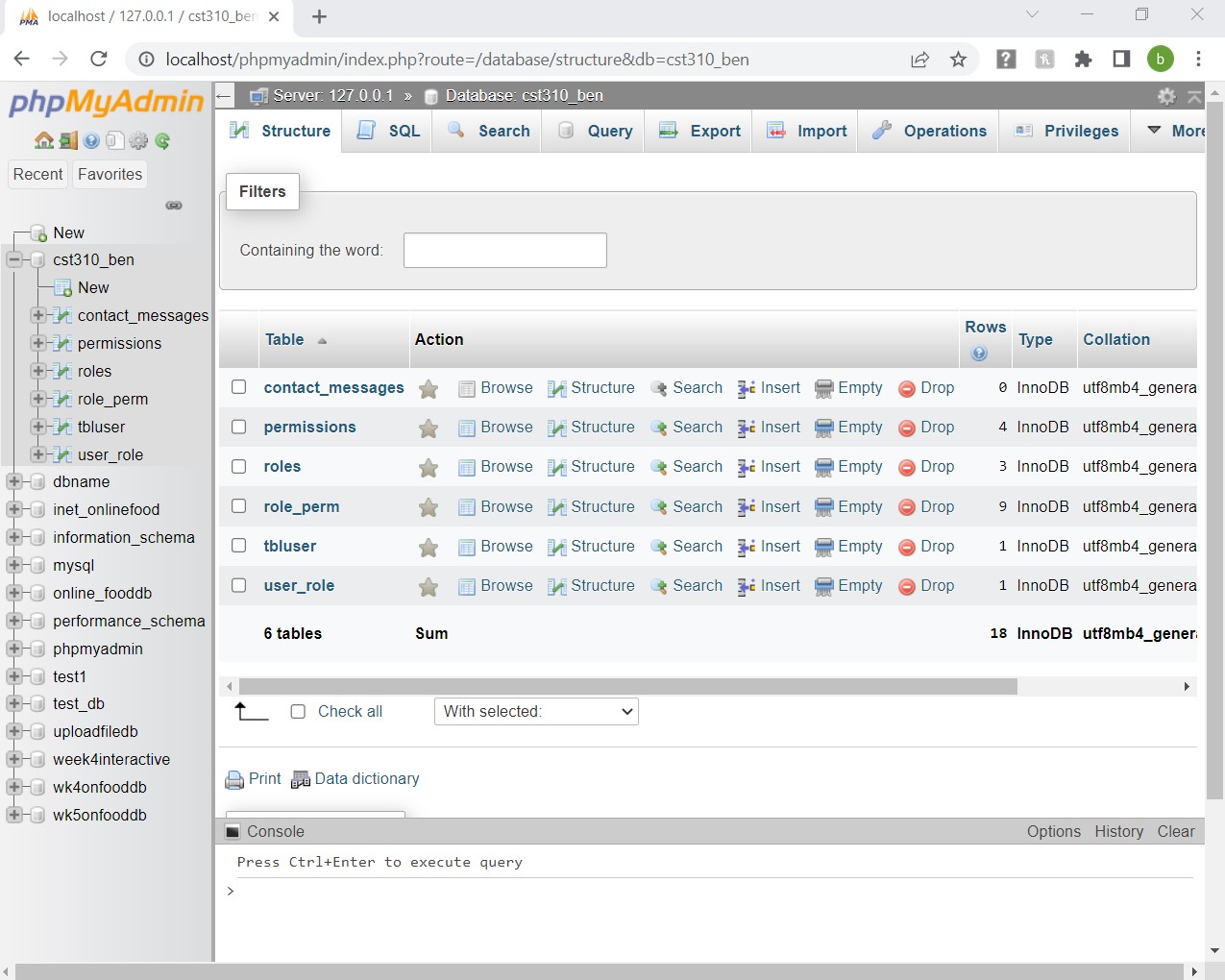


Figure . Created Database CST310\_ben with six tables by Importing SQL file.

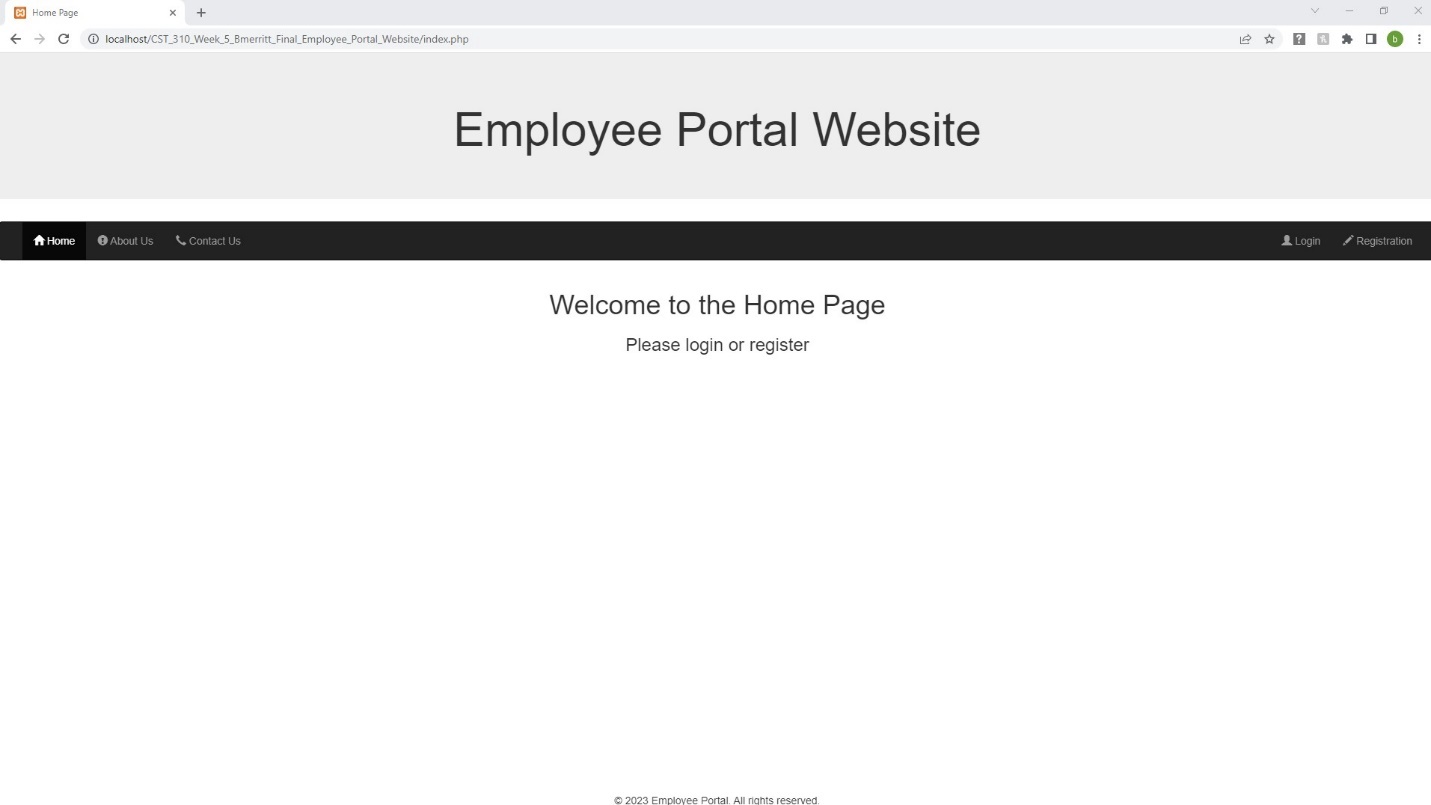


Figure . Database is now connected to the website. This is the index.php page or home page.

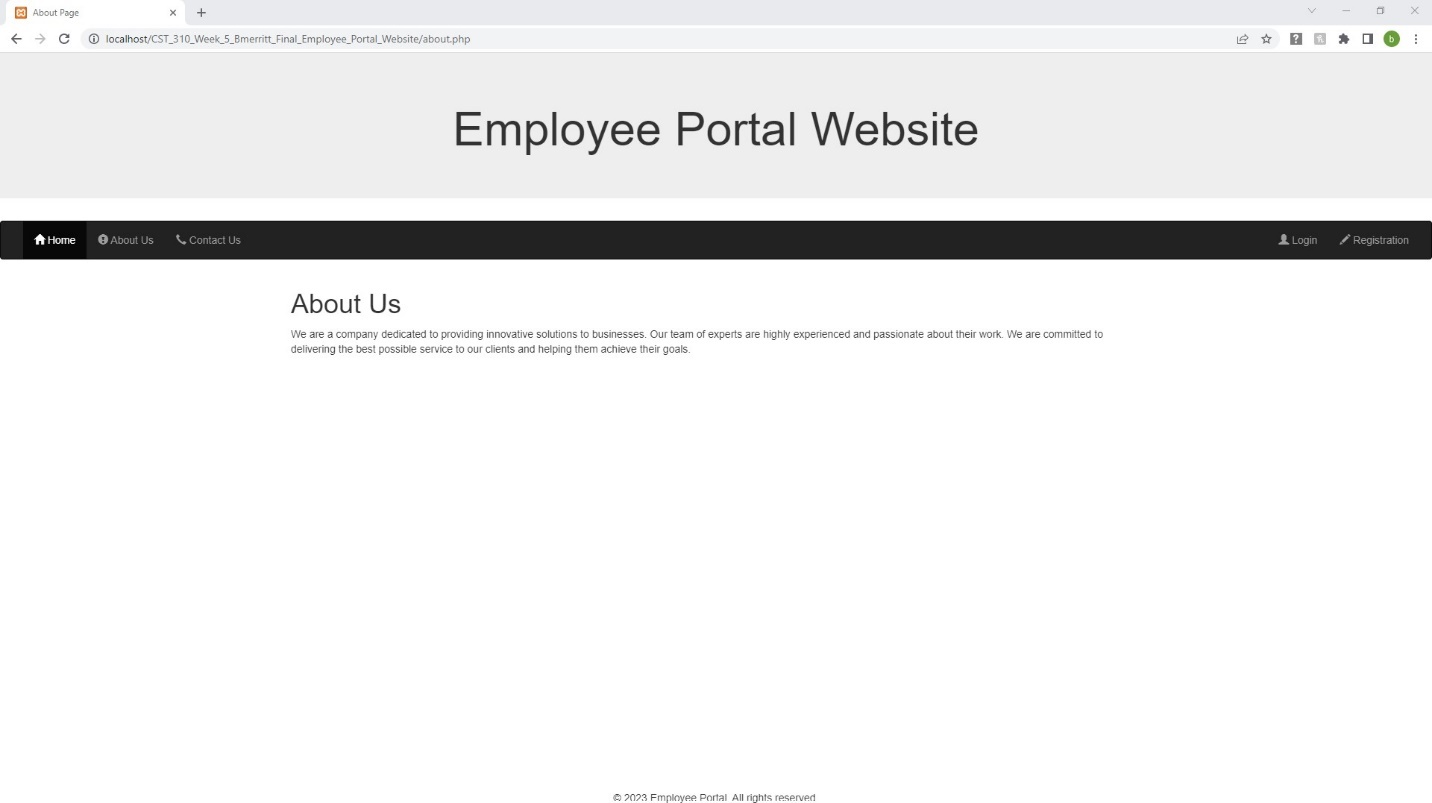


Figure . About Us Page. about.php and is linked to the About Us tab on the website bar.

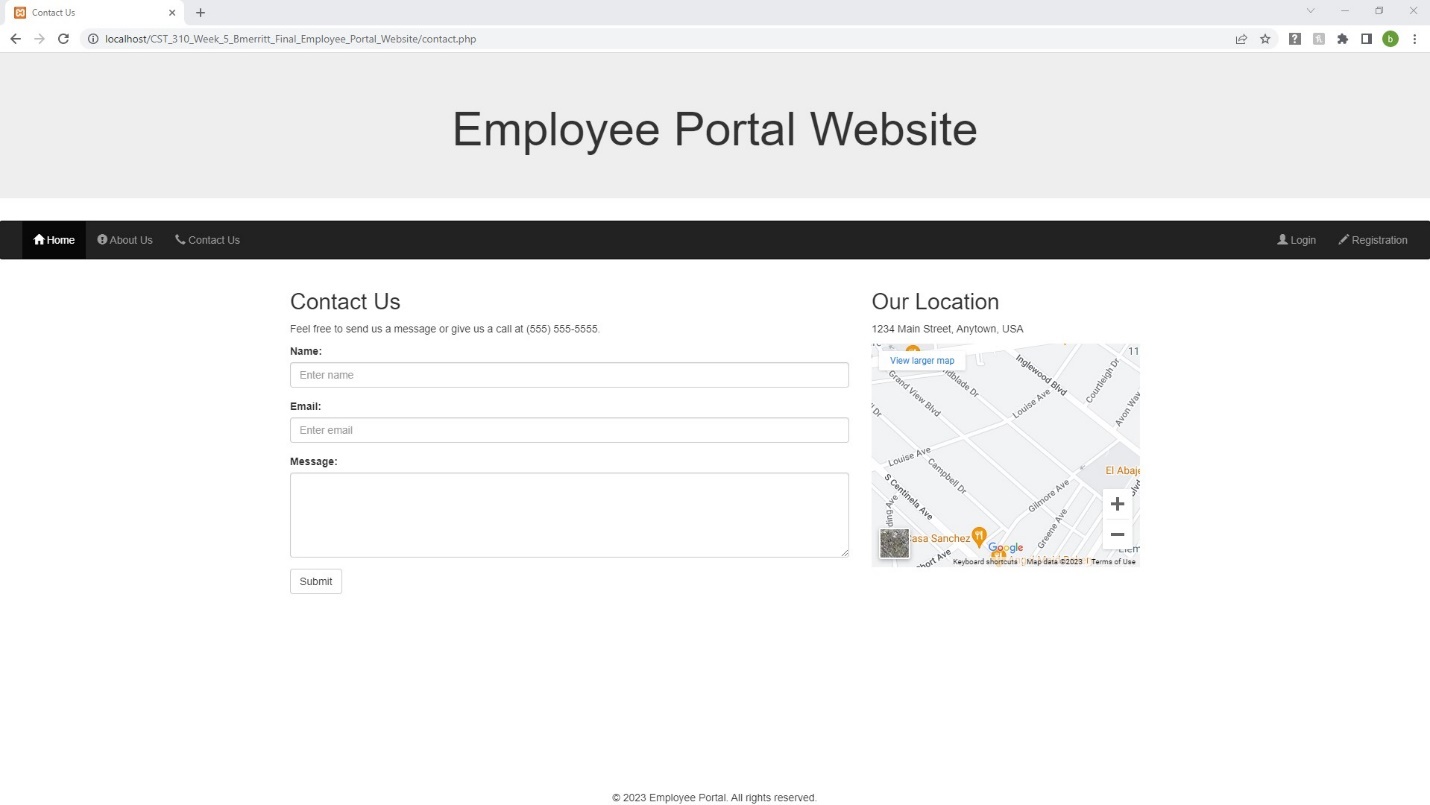


Figure . Contact Us page linked to the Contact Us tab on the website bar.

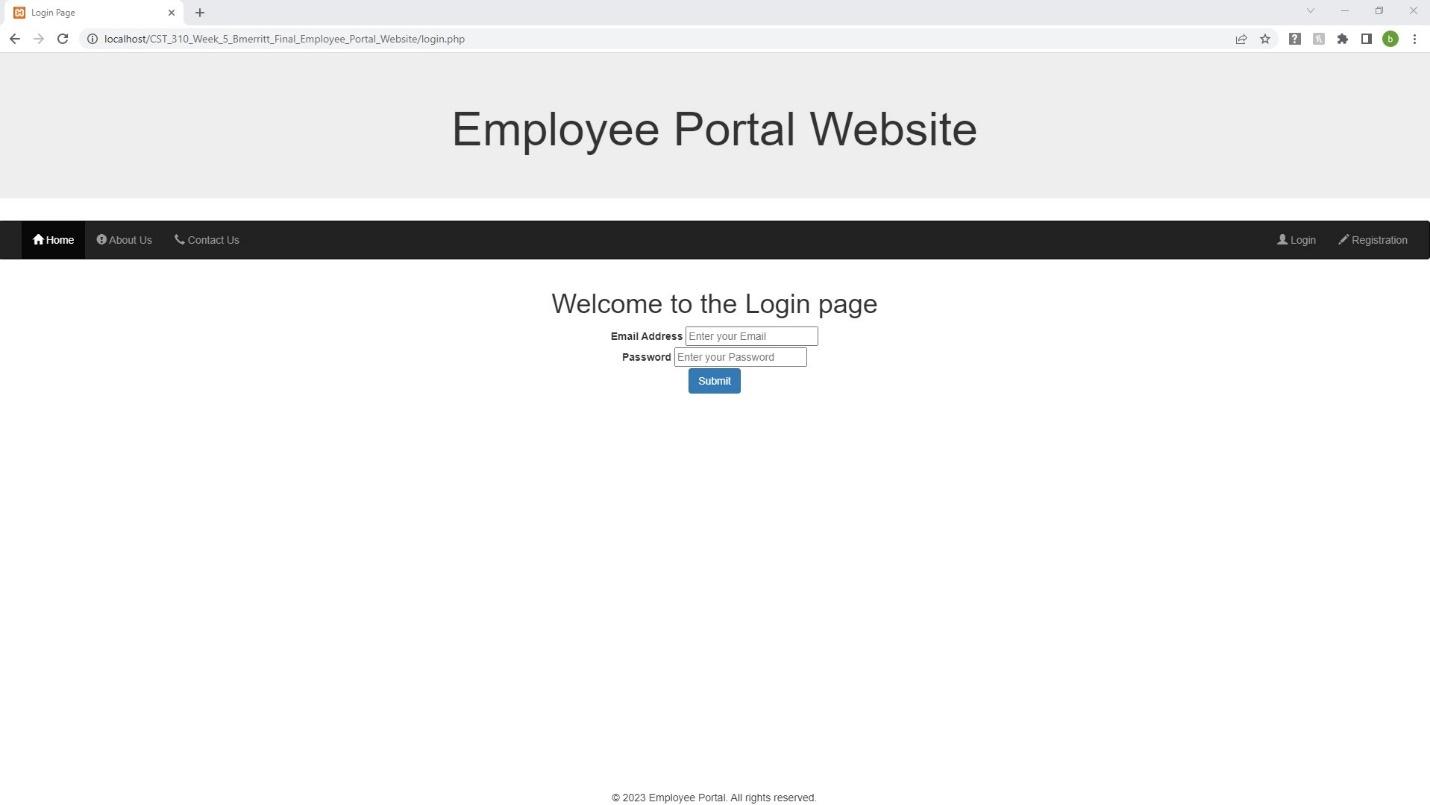


Figure . Login Tab clicked brings up Login screen.

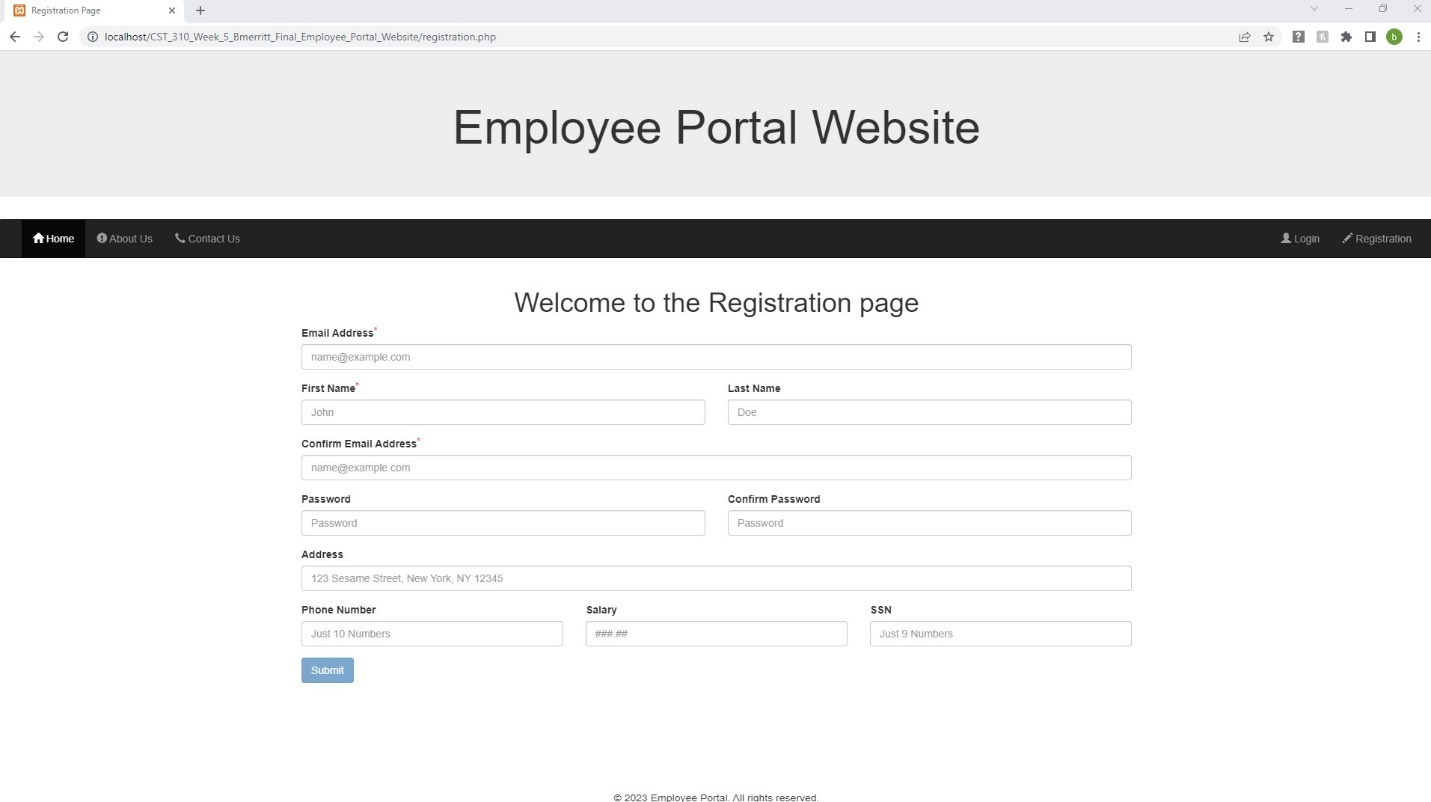


Figure . Registration tab brings up registration page.

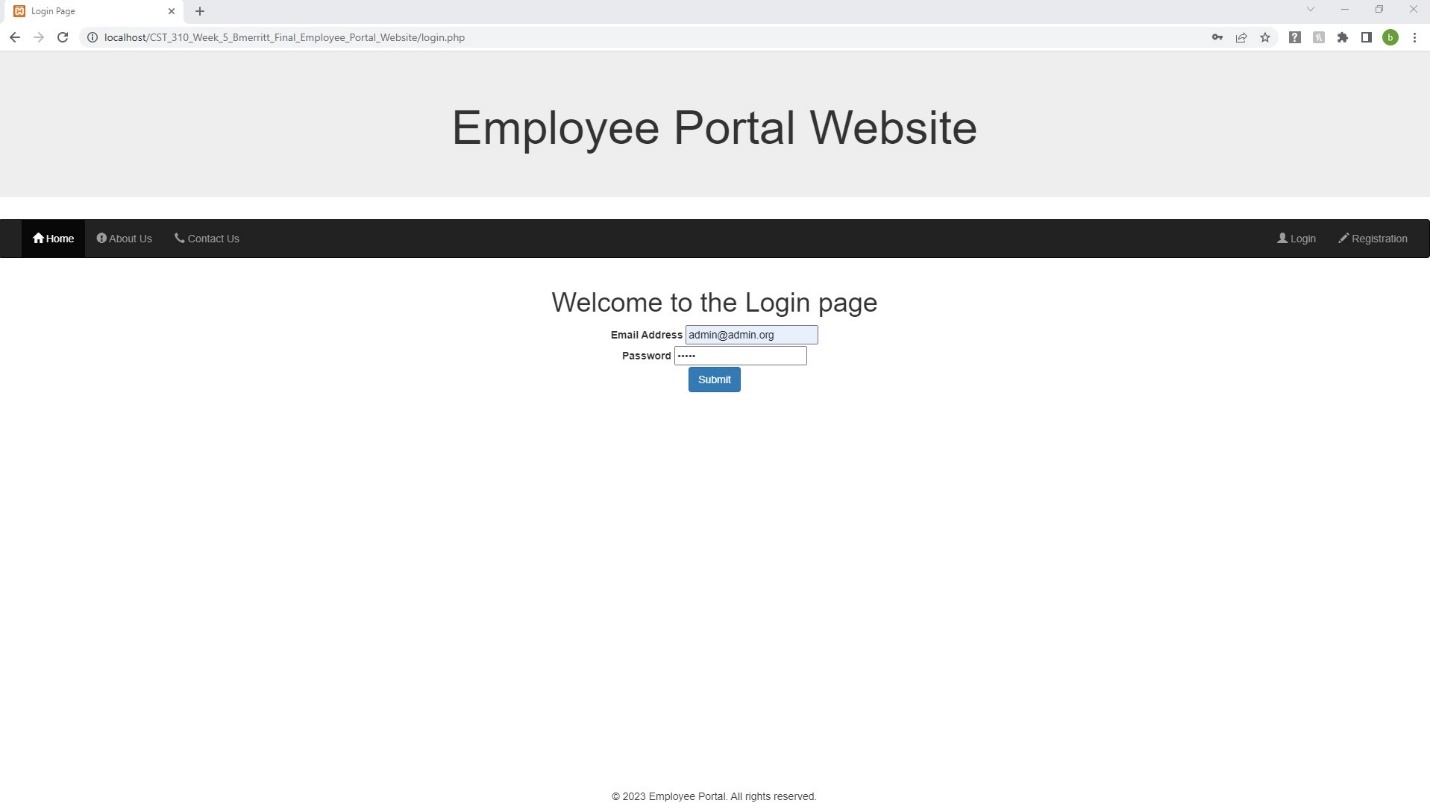


Figure . Logging into [admin@admin.com](mailto:admin@admin.com) Password is Admin created during SQL Import.

A screenshot of a computer

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Figure . Profile page profile.php and model.php format page.

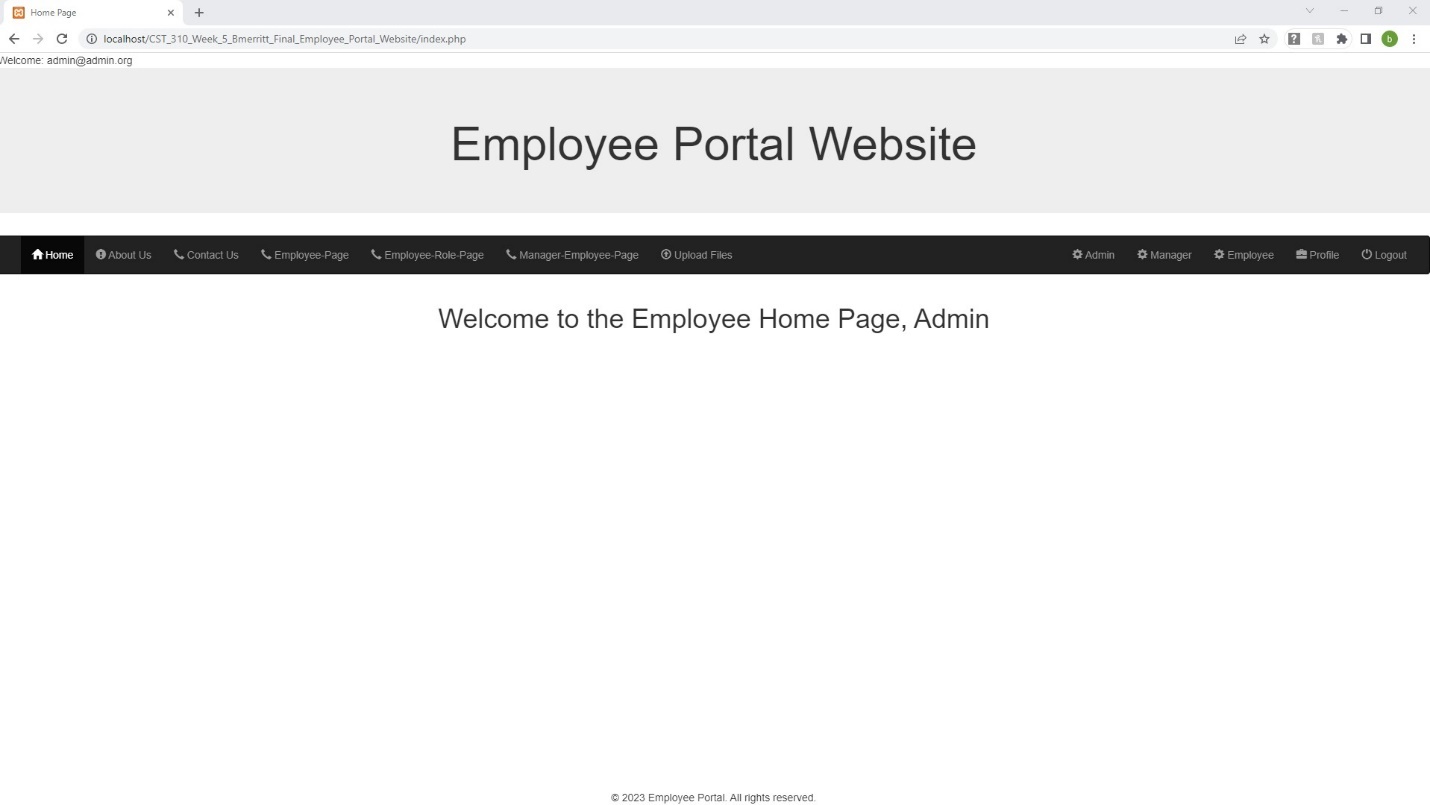


Figure . Home Tab shows Logged in username and First name in welcome.

A screenshot of a computer

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Figure . Logout Tab logs out to Login.php then clicked registration Tab.

A screenshot of a computer

Description automatically generated with medium confidence

Figure . [jane@example.com](mailto:jane@example.com) info entered Password 123456. Md5 password encryption.



Figure . After three seconds after registered automatically directed to Login screen.

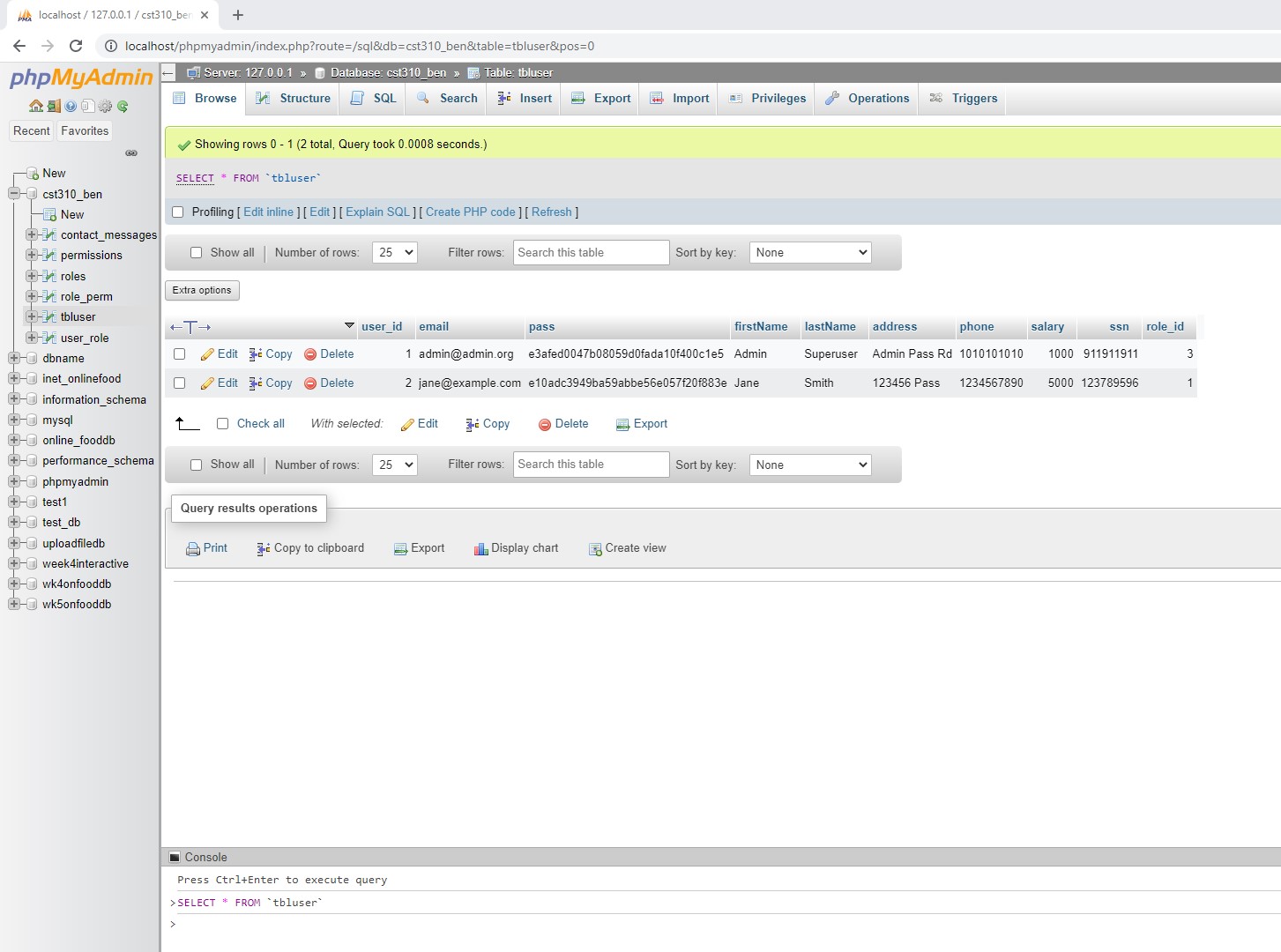


Figure . Database shows Admin user\_id 1 & role 3 and Jane user\_id 2 & role 1

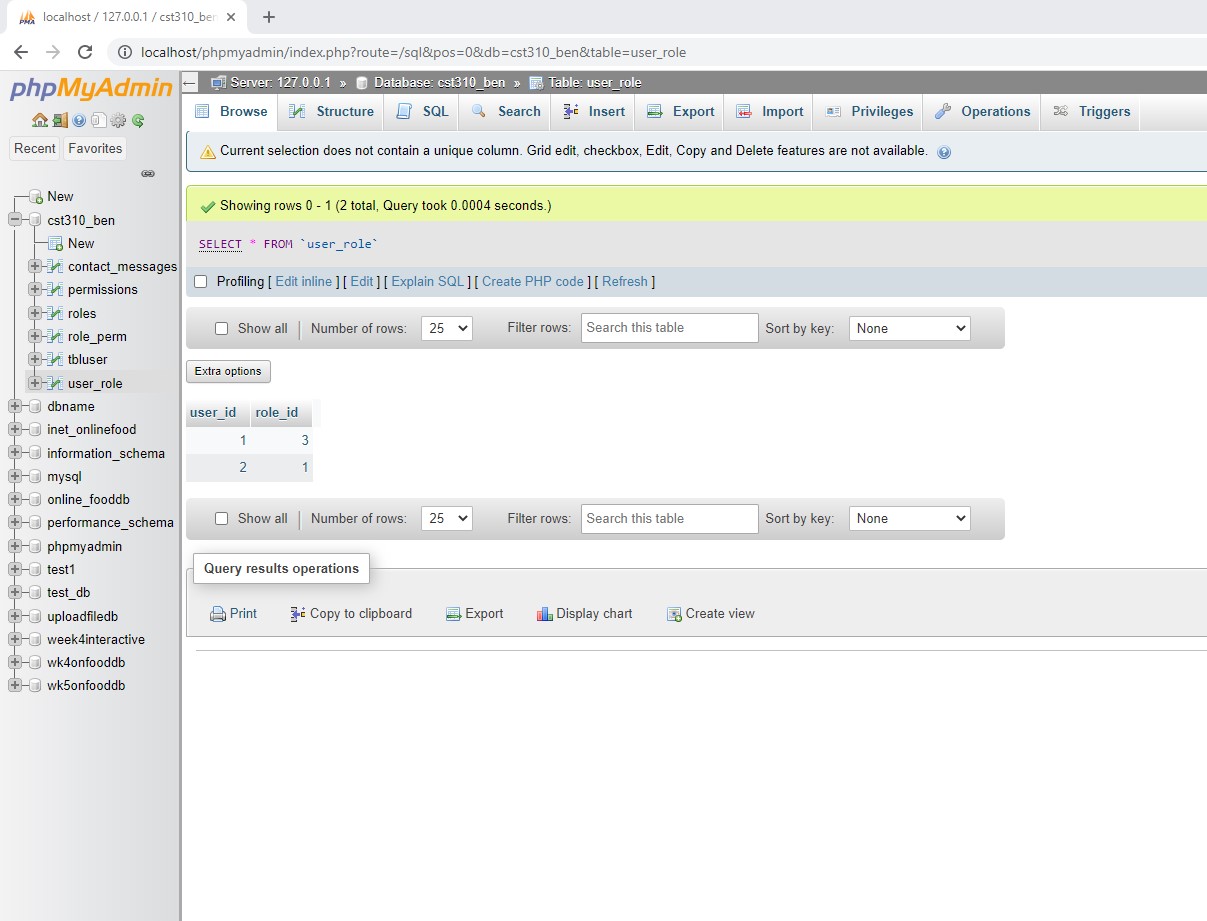


Figure . User\_role 3 is Administrator, 1 is Employee and 2 is Manager.

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Figure . Login Jane

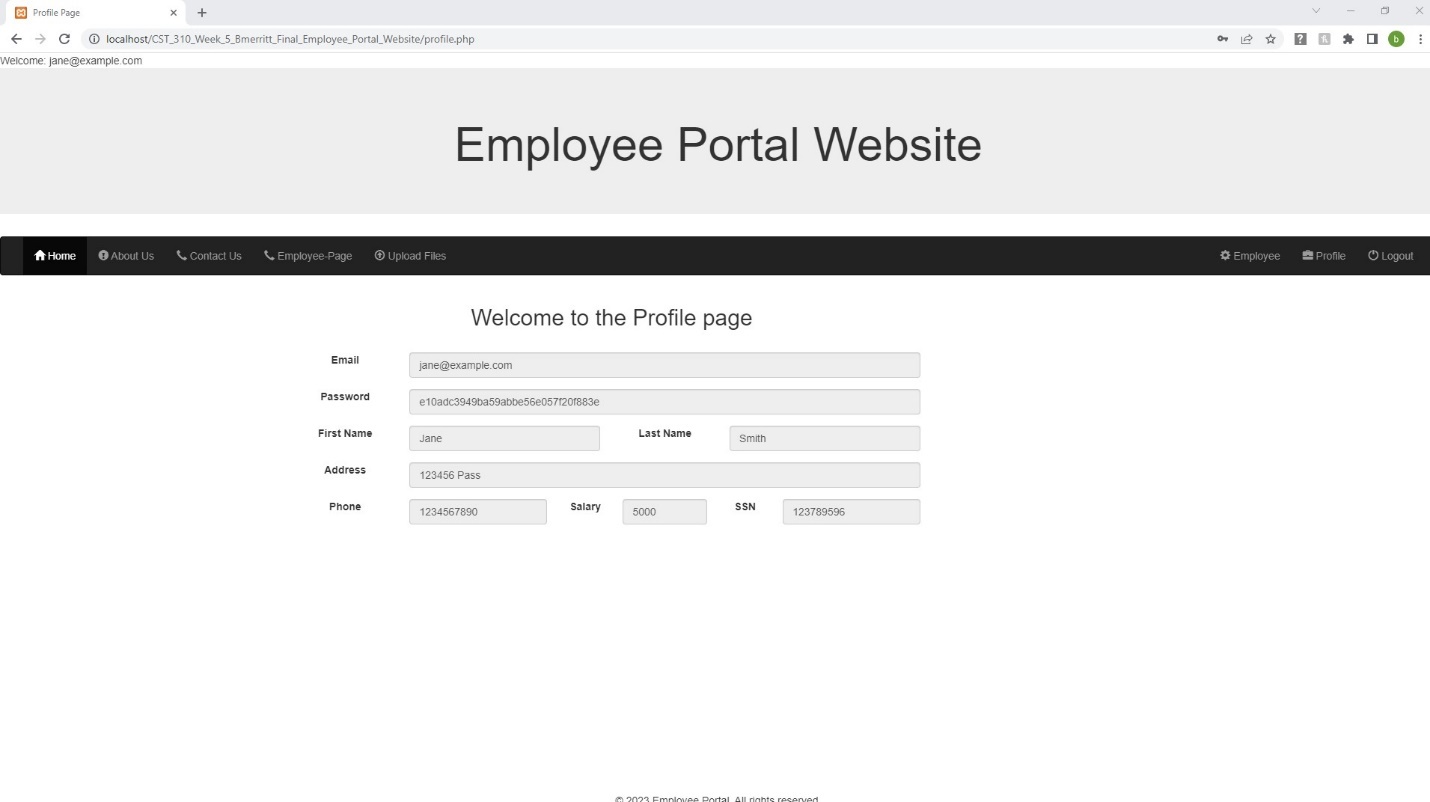


Figure . Janes Profile page is displayed

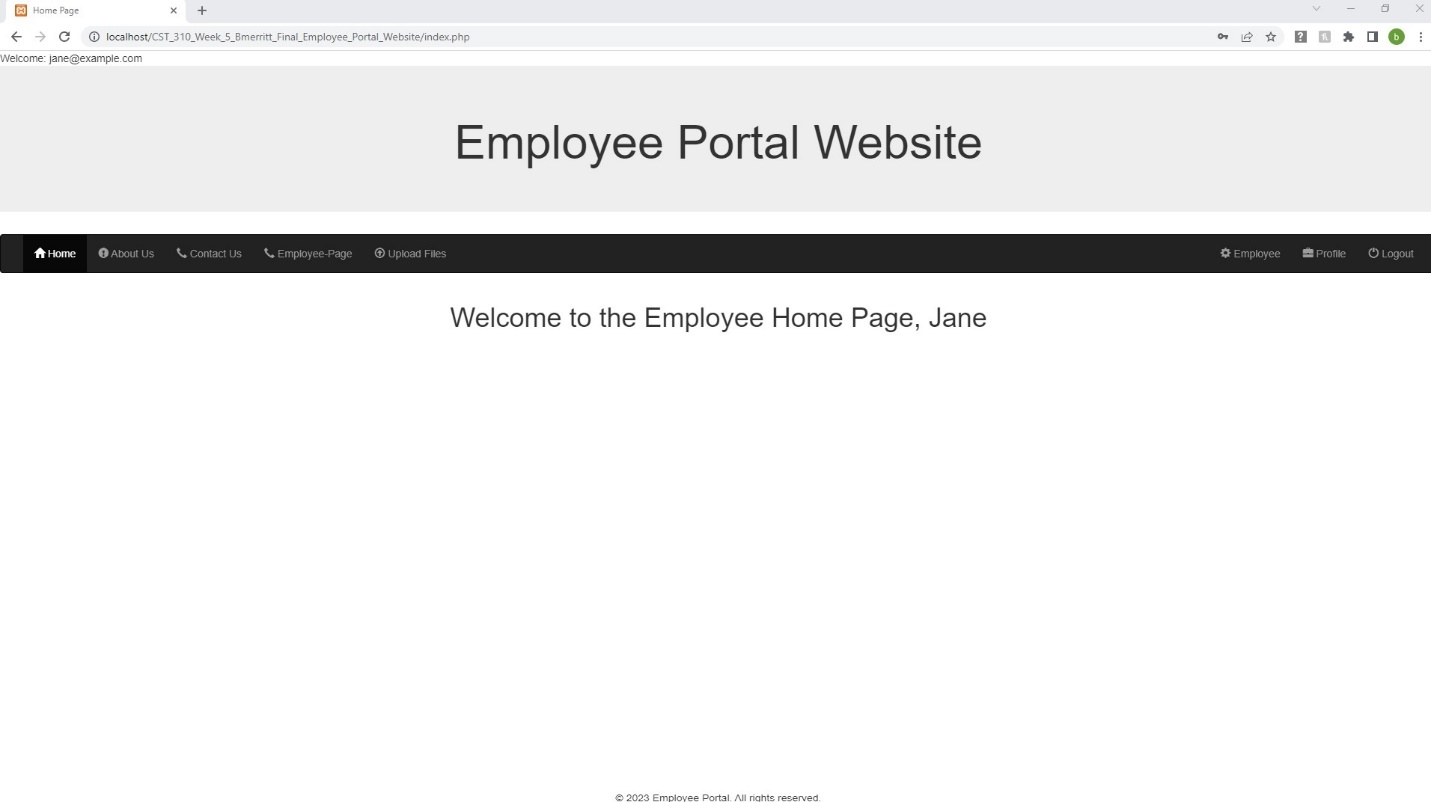


Figure . Home Tab shows Jane’s Session logged in Home Page.

A screenshot of a computer

Description automatically generated with low confidence

Figure . About Us Page works in logged in or logged out state.

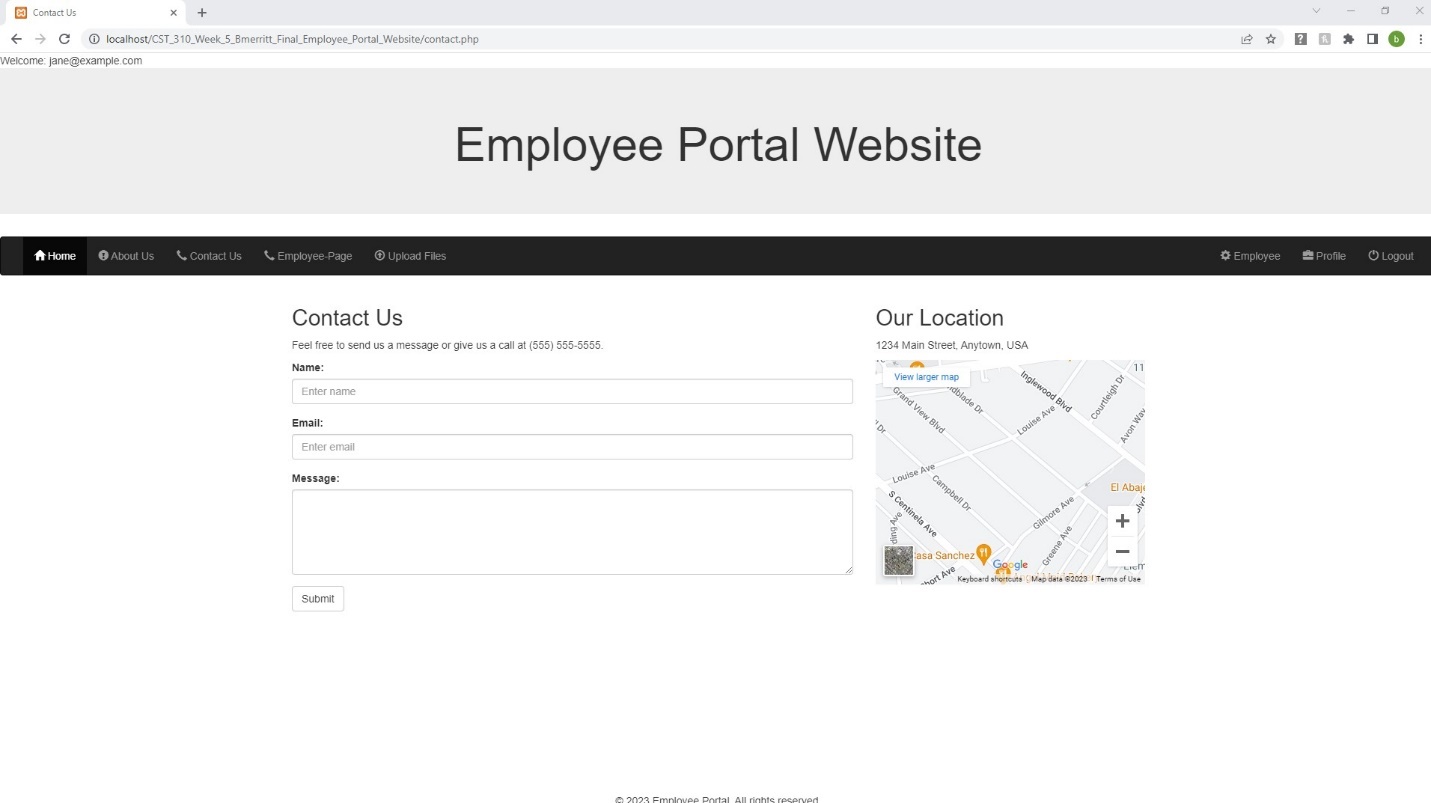


Figure . Contact Us works in logged in or out state.

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Figure . Entered data into Contact Us Form and Submitted.

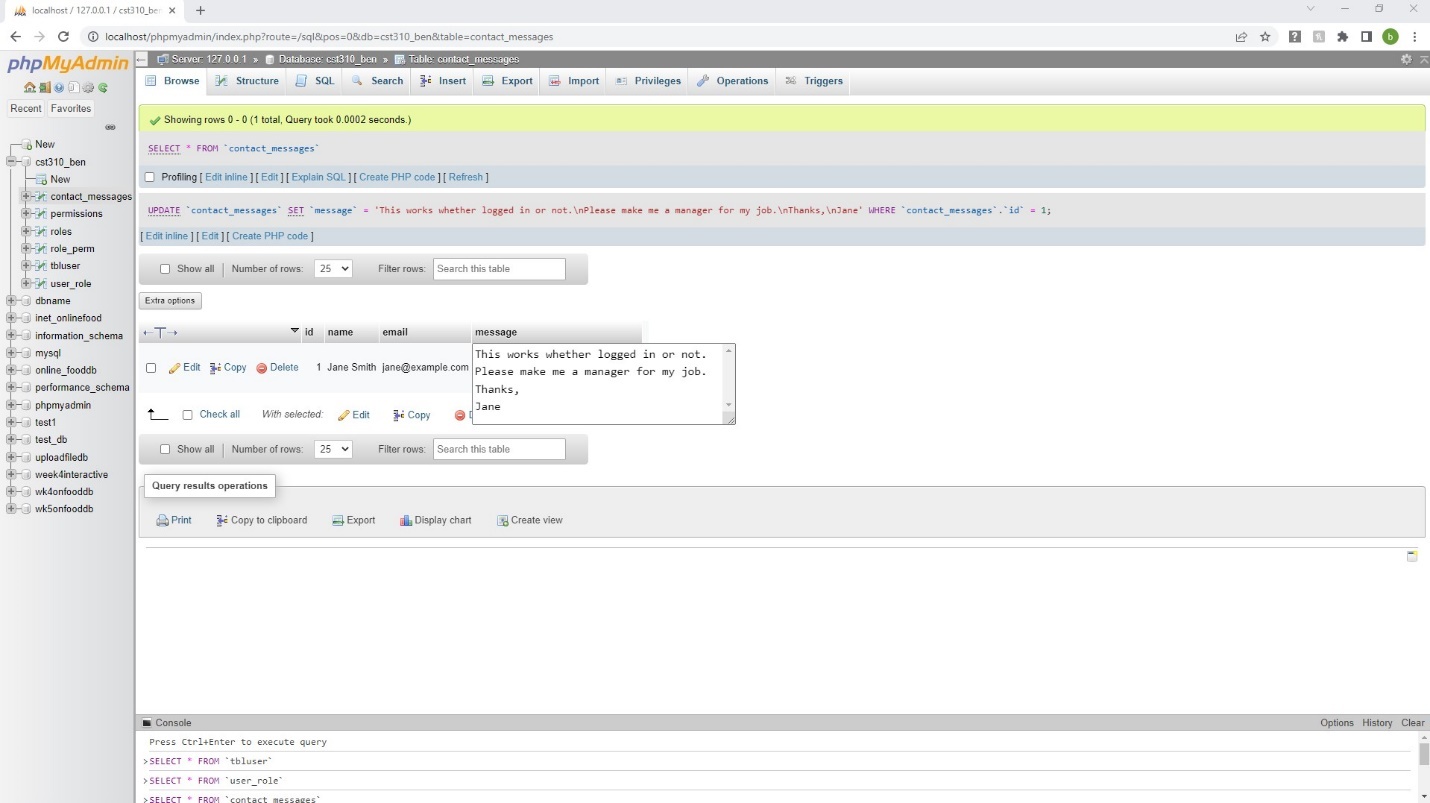


Figure . Contact Us Data received in contact\_messages table in database.

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Figure . Jane is an employee and has access to employee Information.

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Figure . Jane can Upload picture files to a folder on the xampp server called uploads.

A screenshot of a computer

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Figure . Four files were chosen to load all at once. Multifile feature.

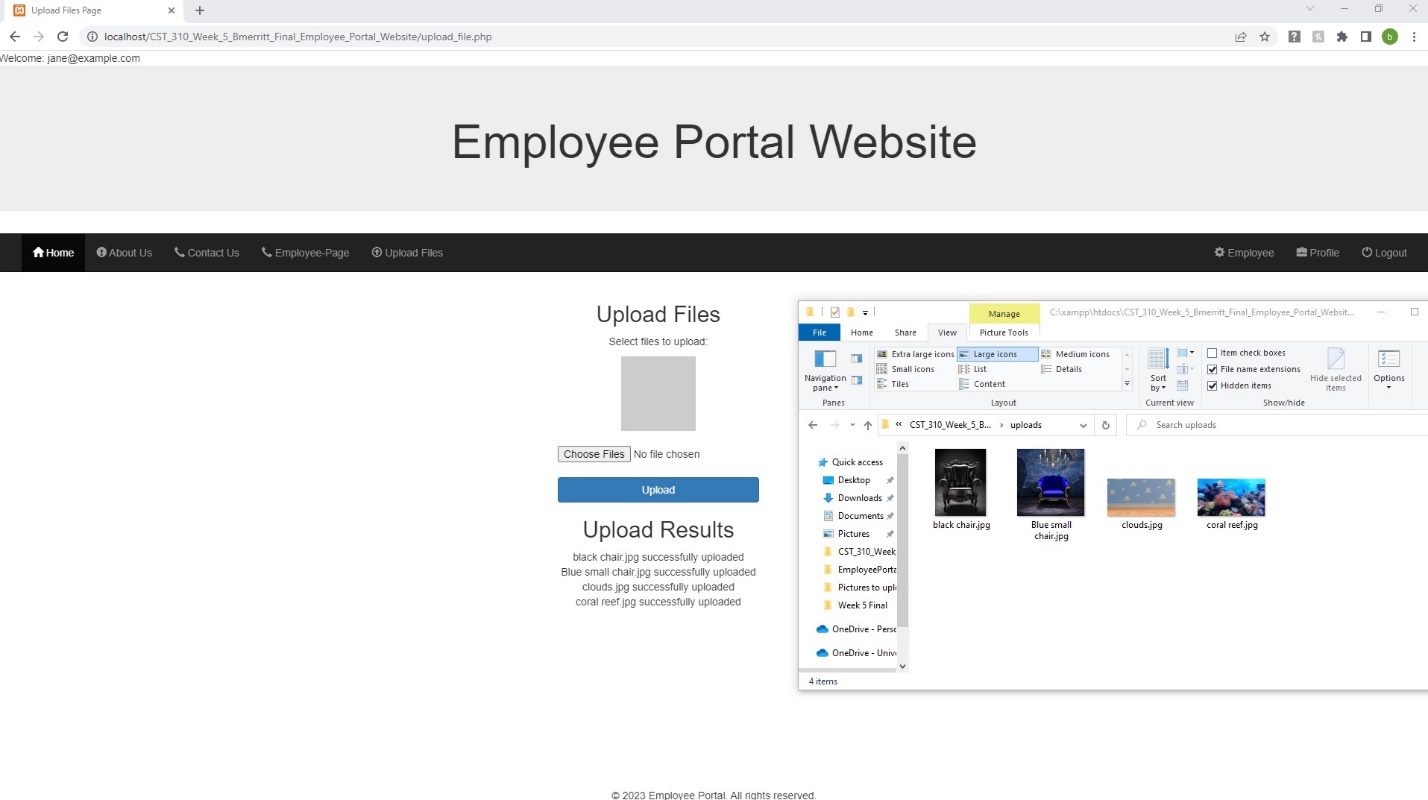


Figure . Files were Uploaded to uploads folder on xampp server.

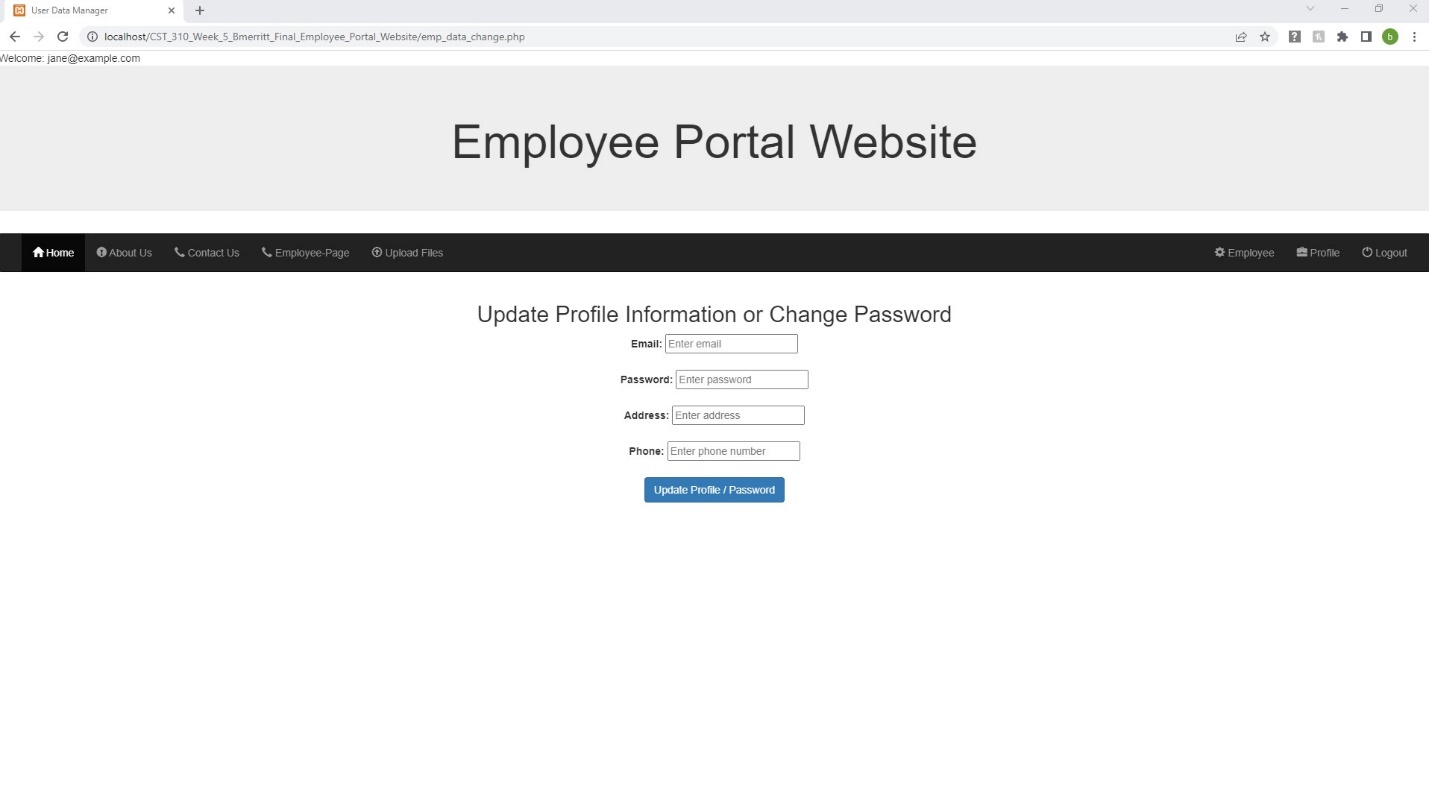


Figure . employee can update limited information.

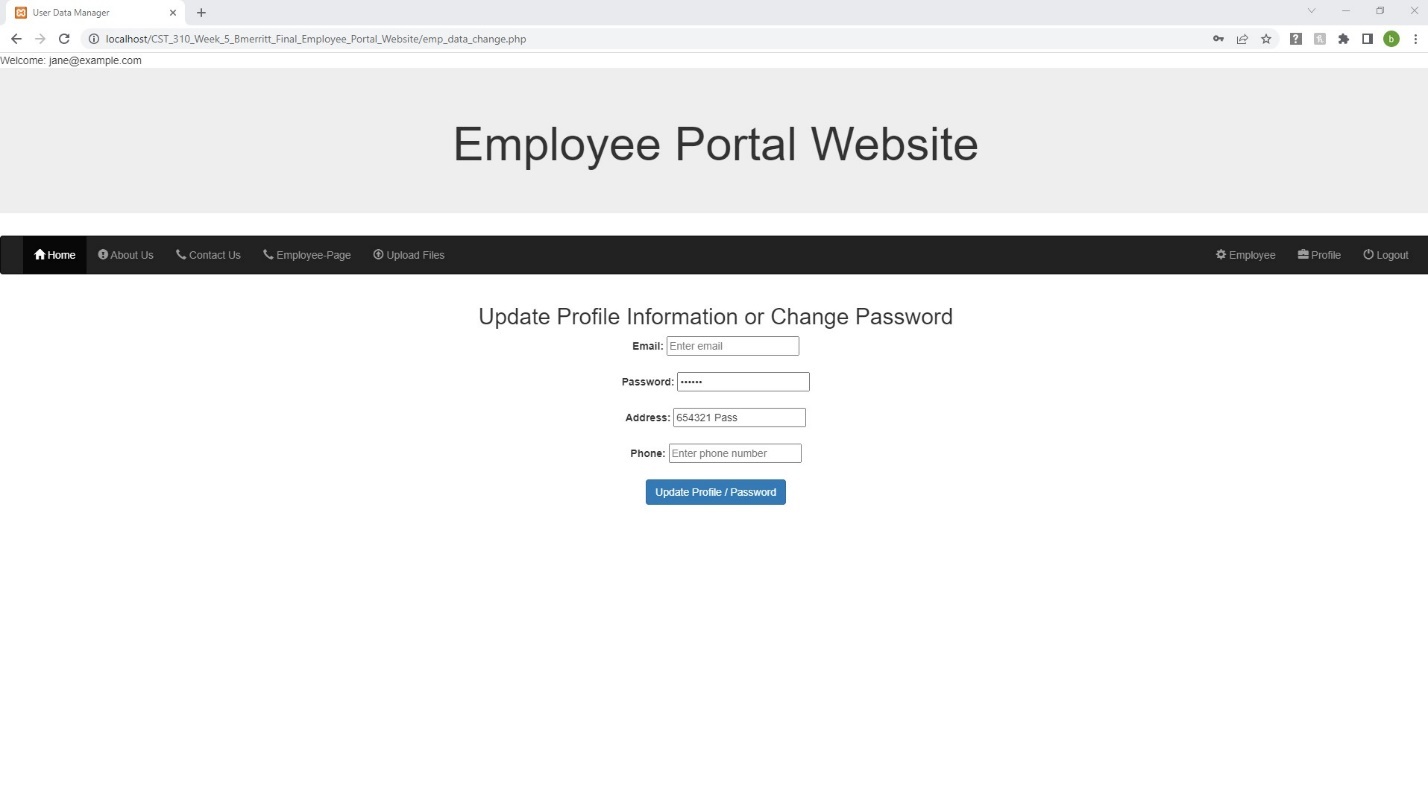


Figure . Jane updates password to 654321 and address

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Figure . Jane will be automatically logged out to update data.

A screenshot of a computer

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Figure . Jane logs back in with new password 654321

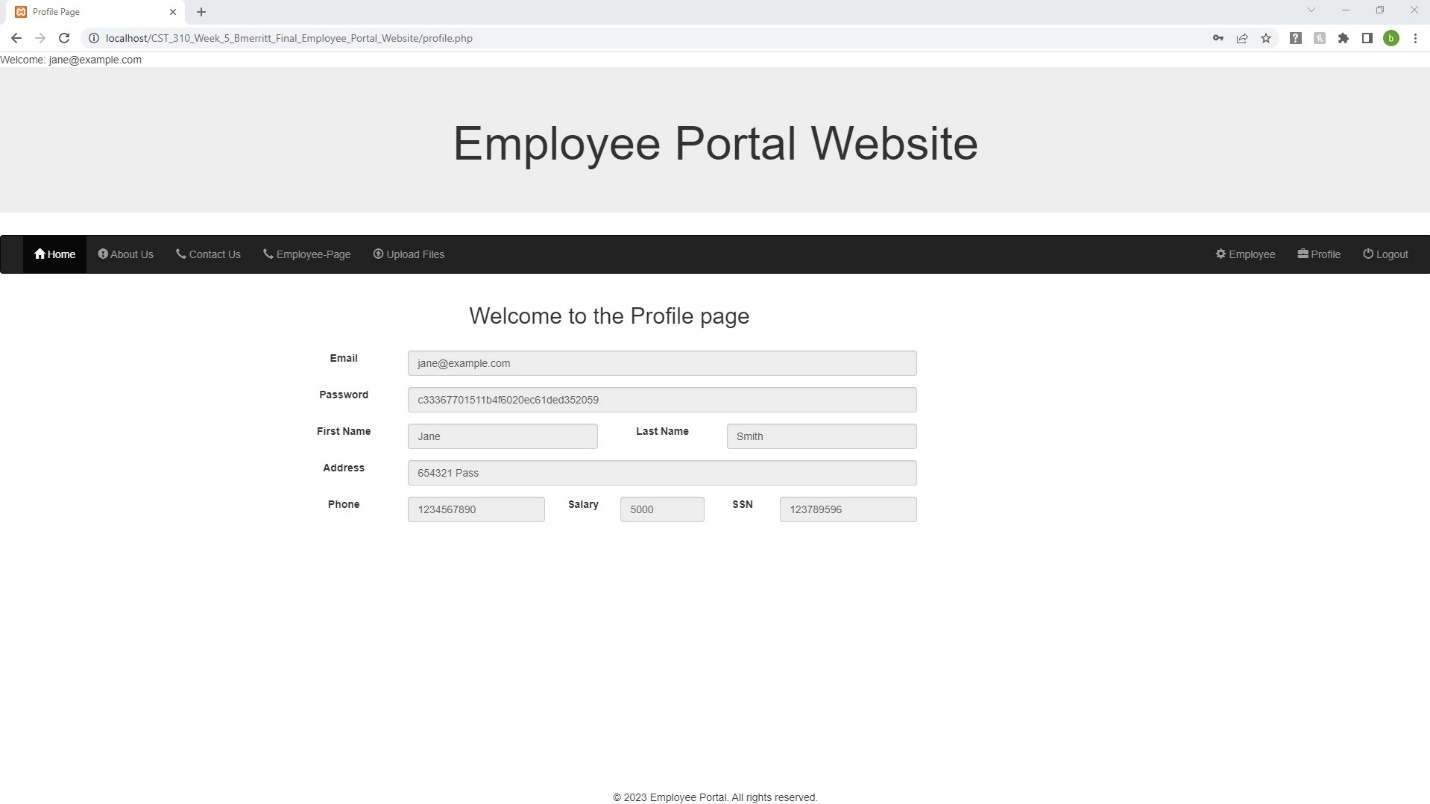


Figure . Janes data changed.

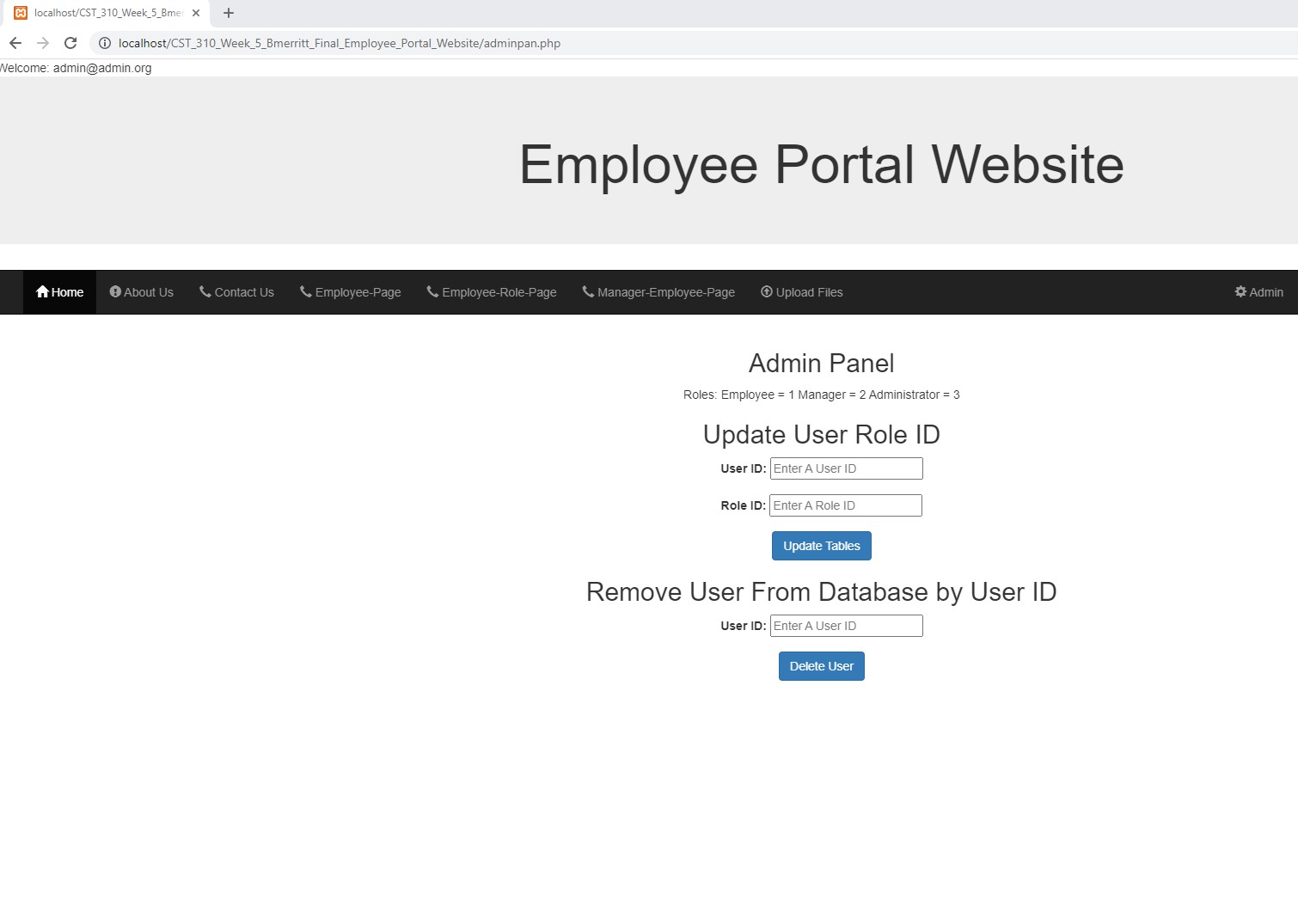


Figure . Logged in as Admin in Admin Tab Admin Panel.

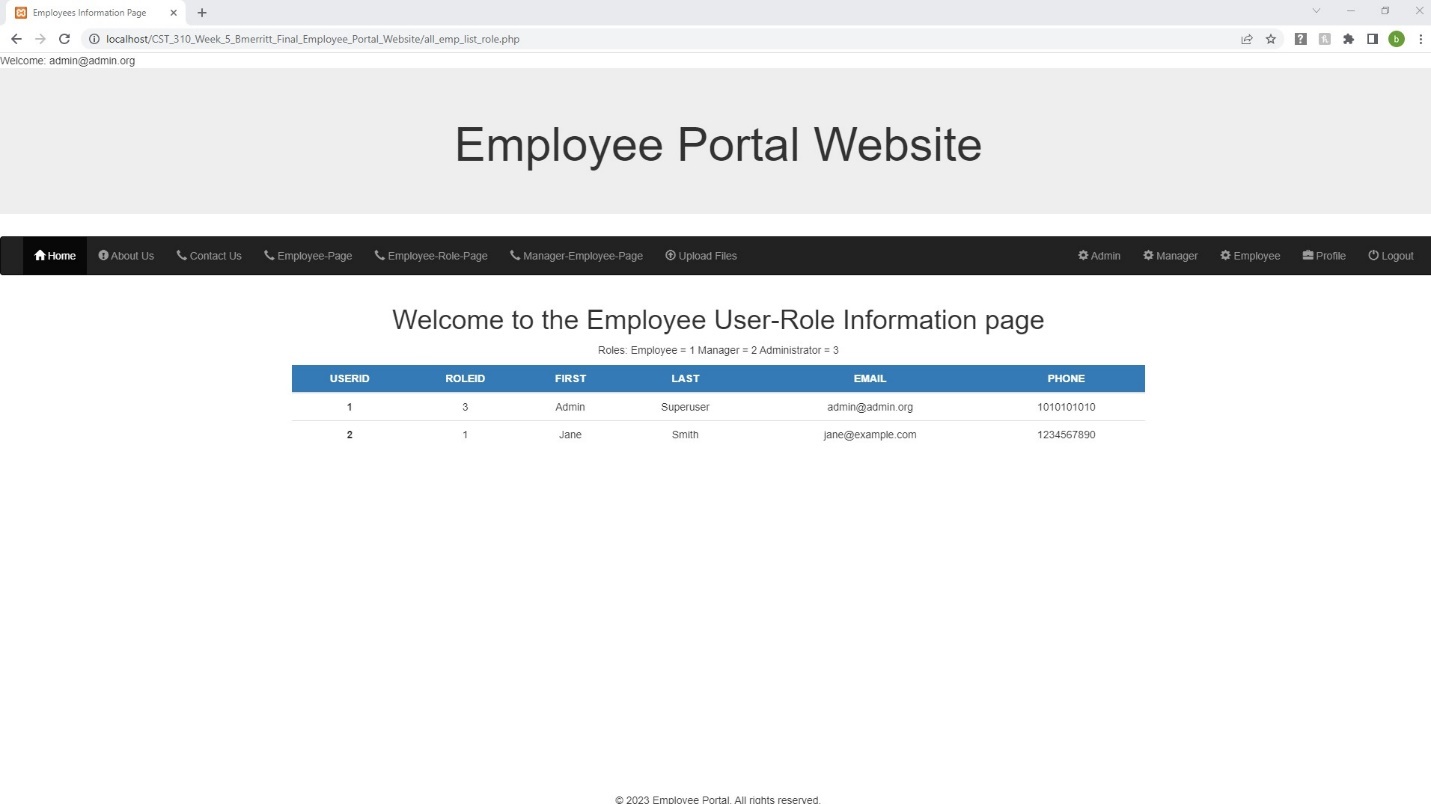


Figure . Janes User Id is 2 and Role is 1

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Figure . Update Jane to a 2 as a manager.

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Figure . Successful.

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Figure . Jane is upgraded to a Manger

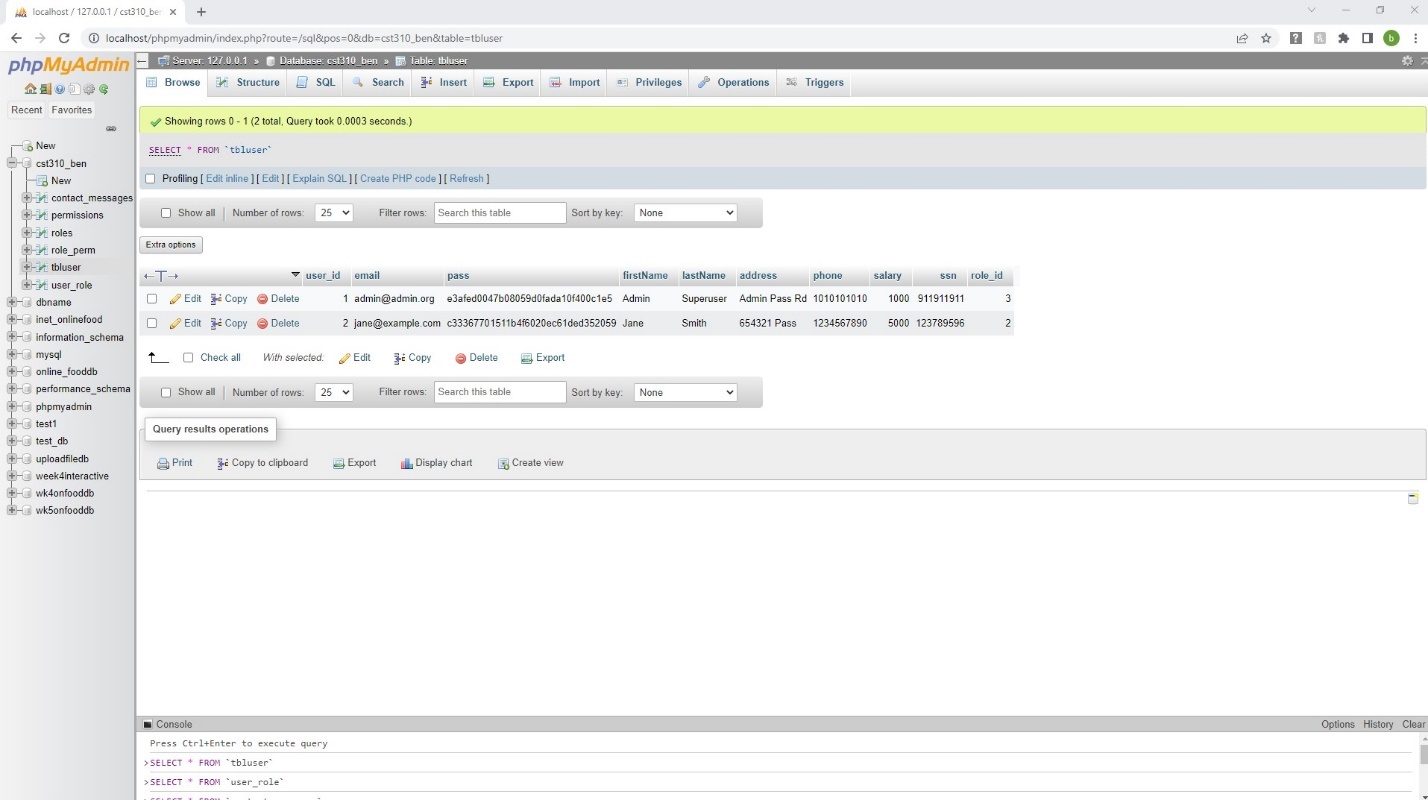


Figure . Database updated in tbluser.

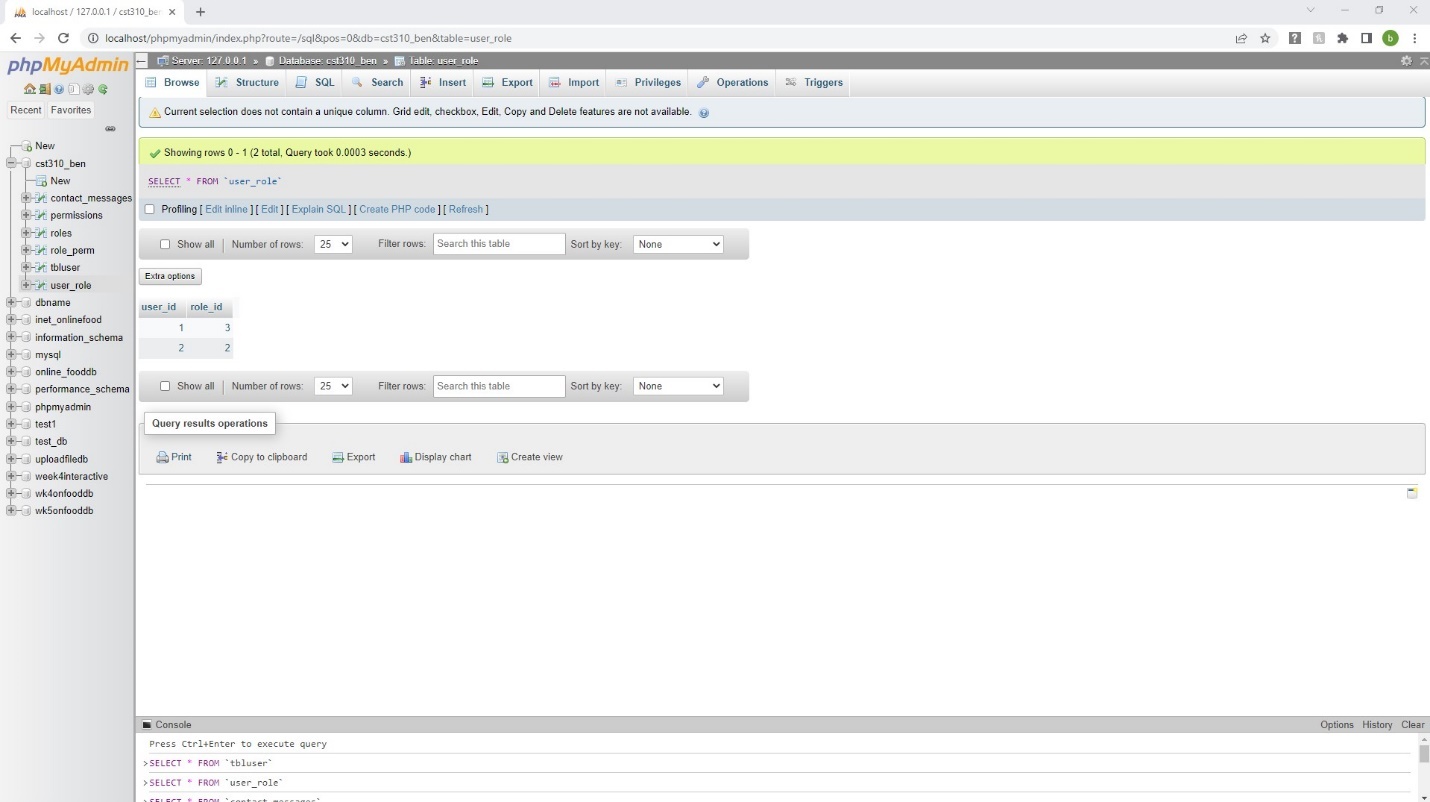


Figure . Database updated in user\_role.

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Figure . Jane logs back in.

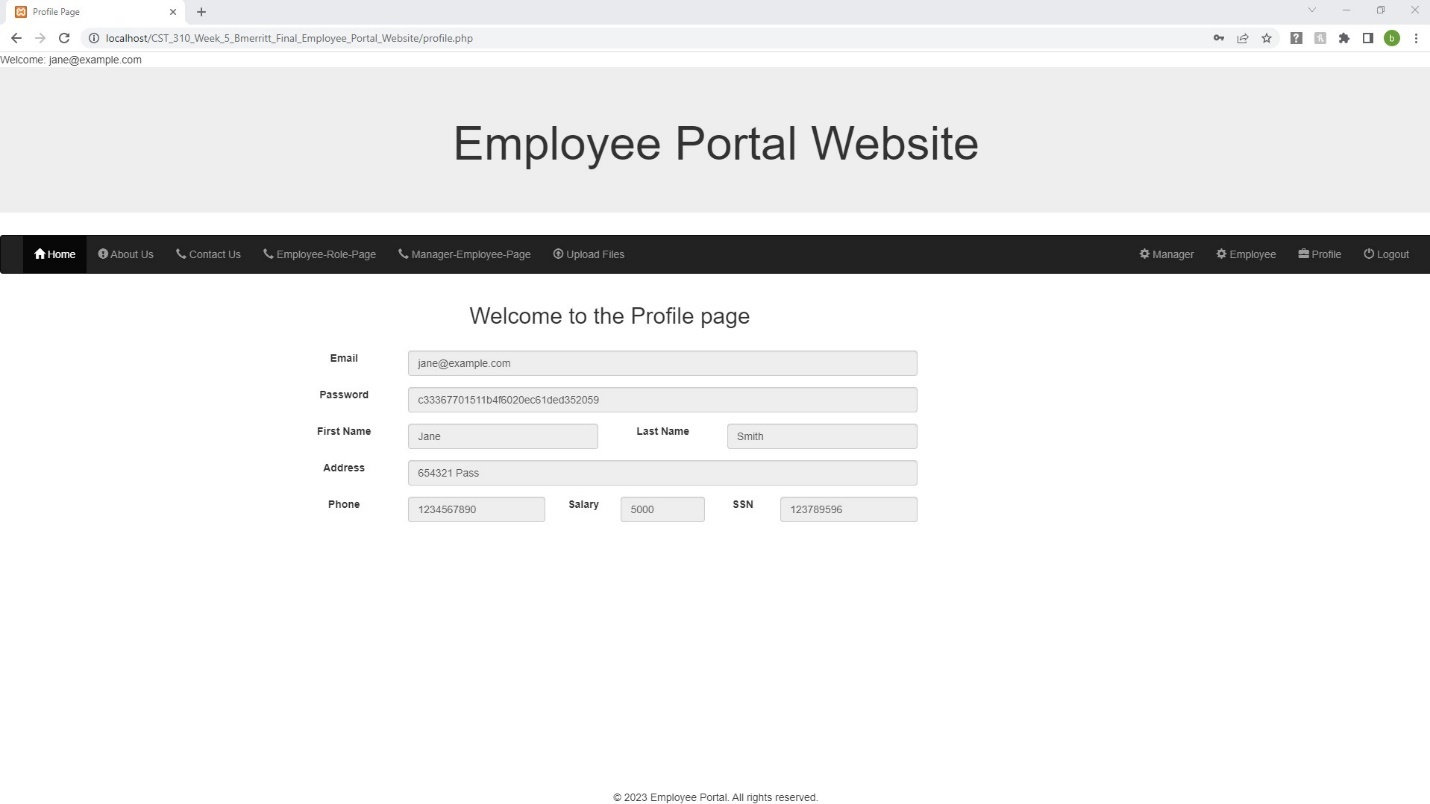


Figure . Jane has access to Manager tabs.

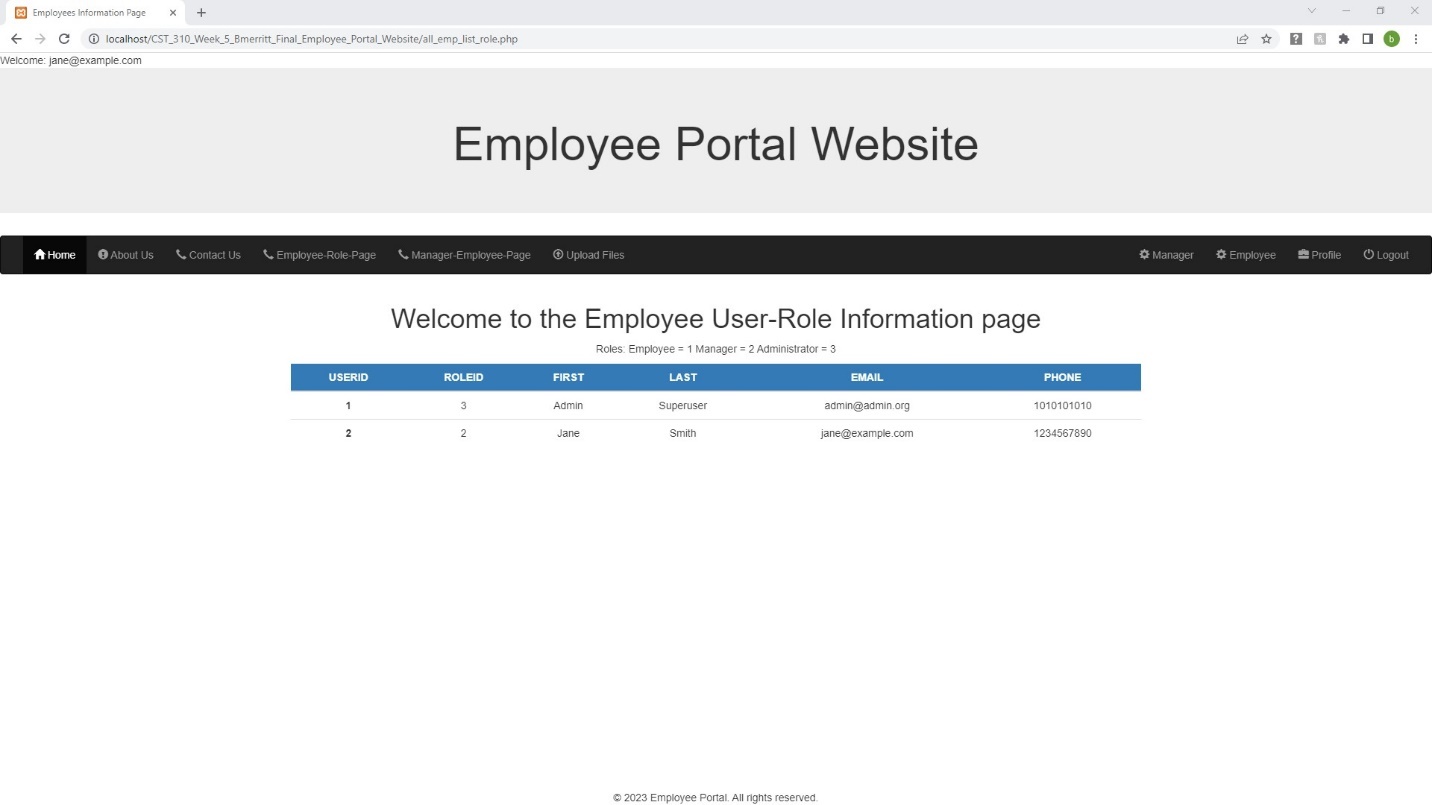


Figure . User Roles information.

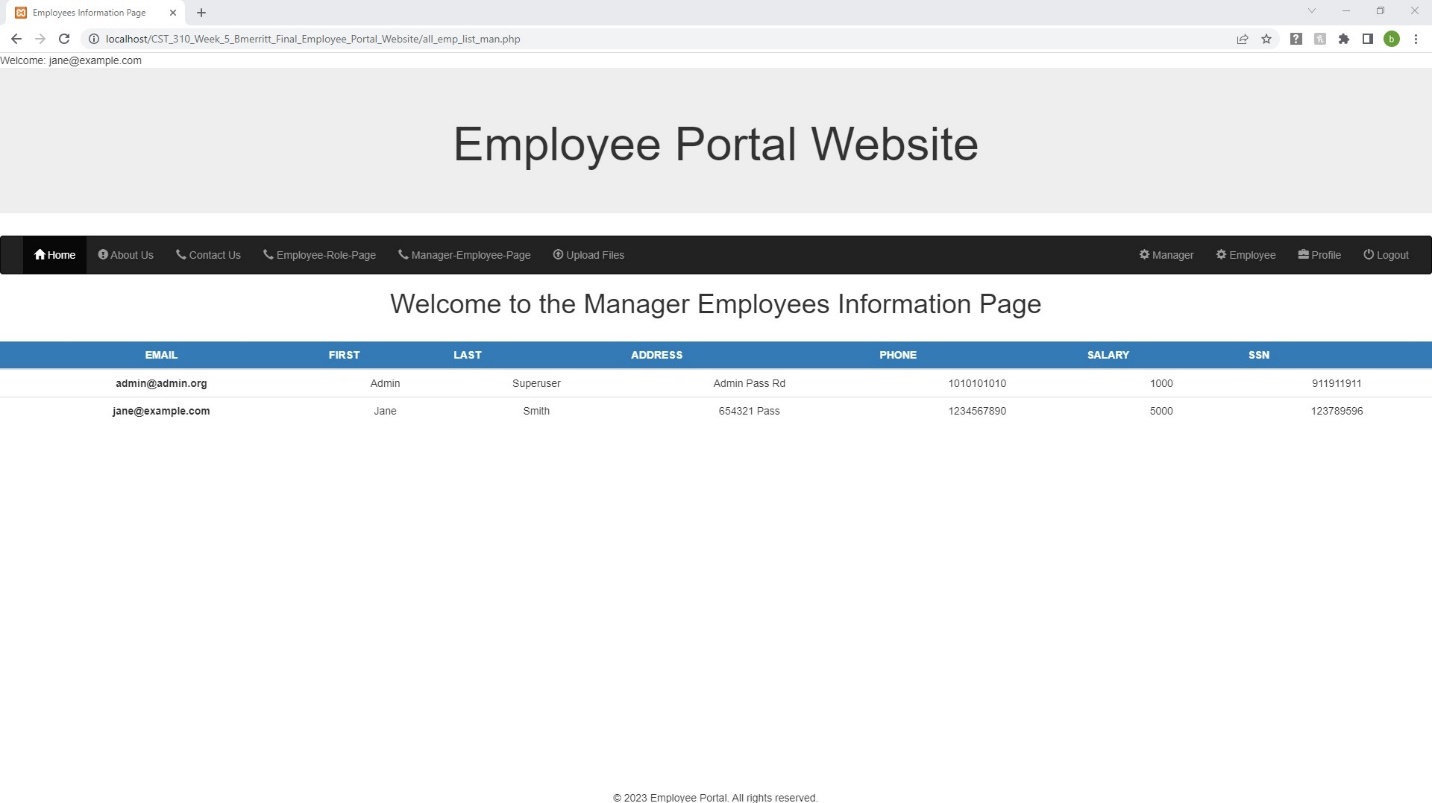


Figure . More Employees information.

A screenshot of a computer

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Figure . Update User Information page.

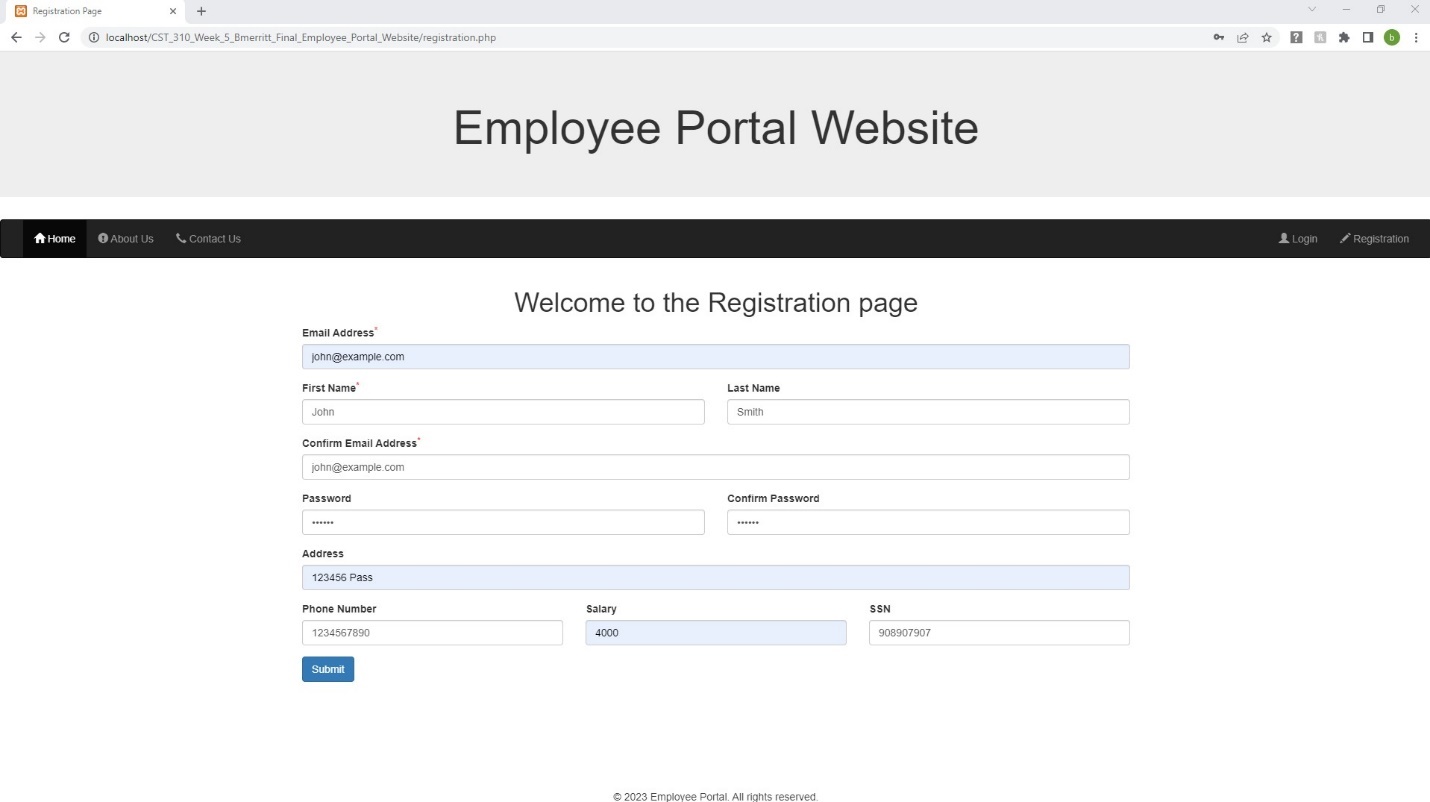


Figure . Register John smith.

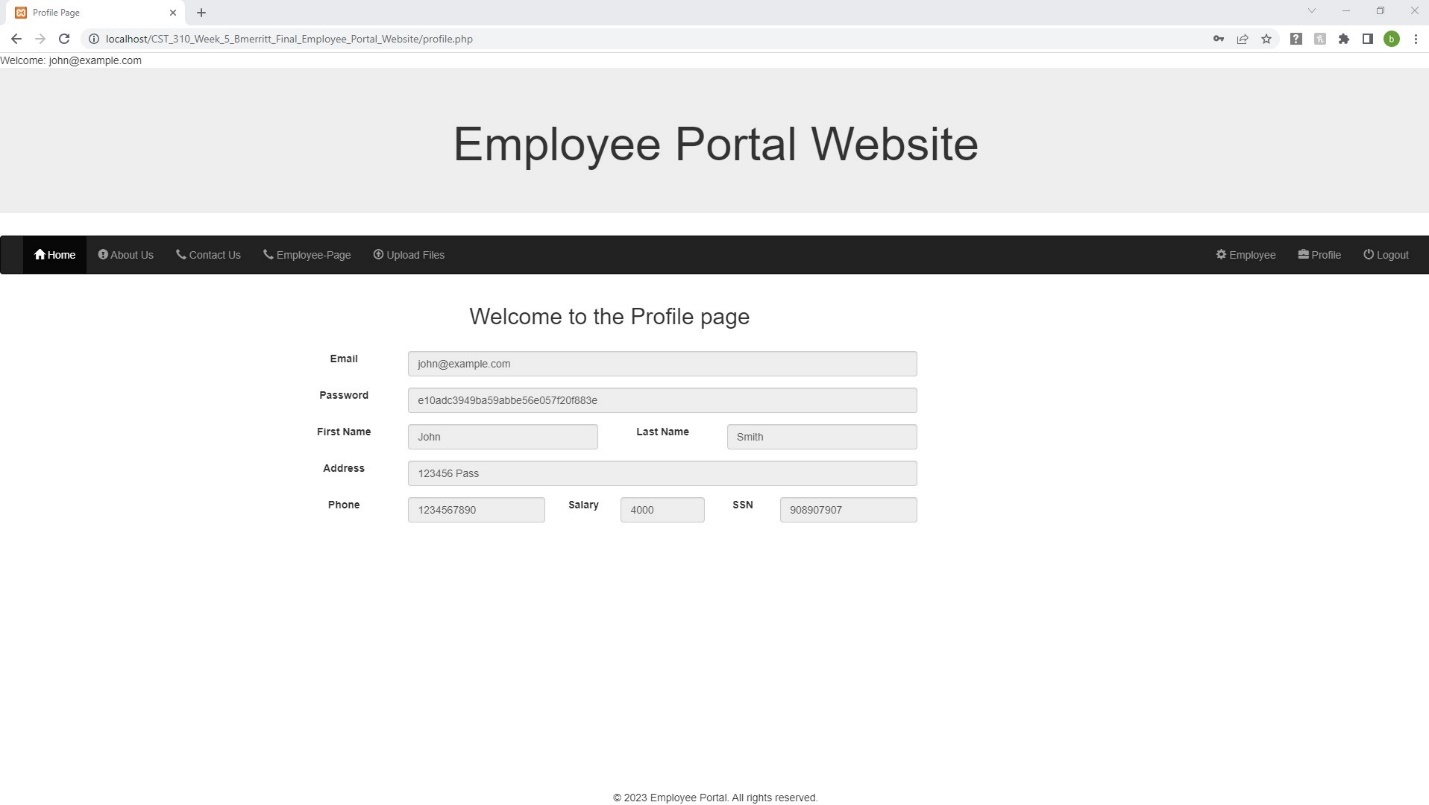


Figure . Logged in John.



Figure . Logged in Jane. John is user 3 role 1

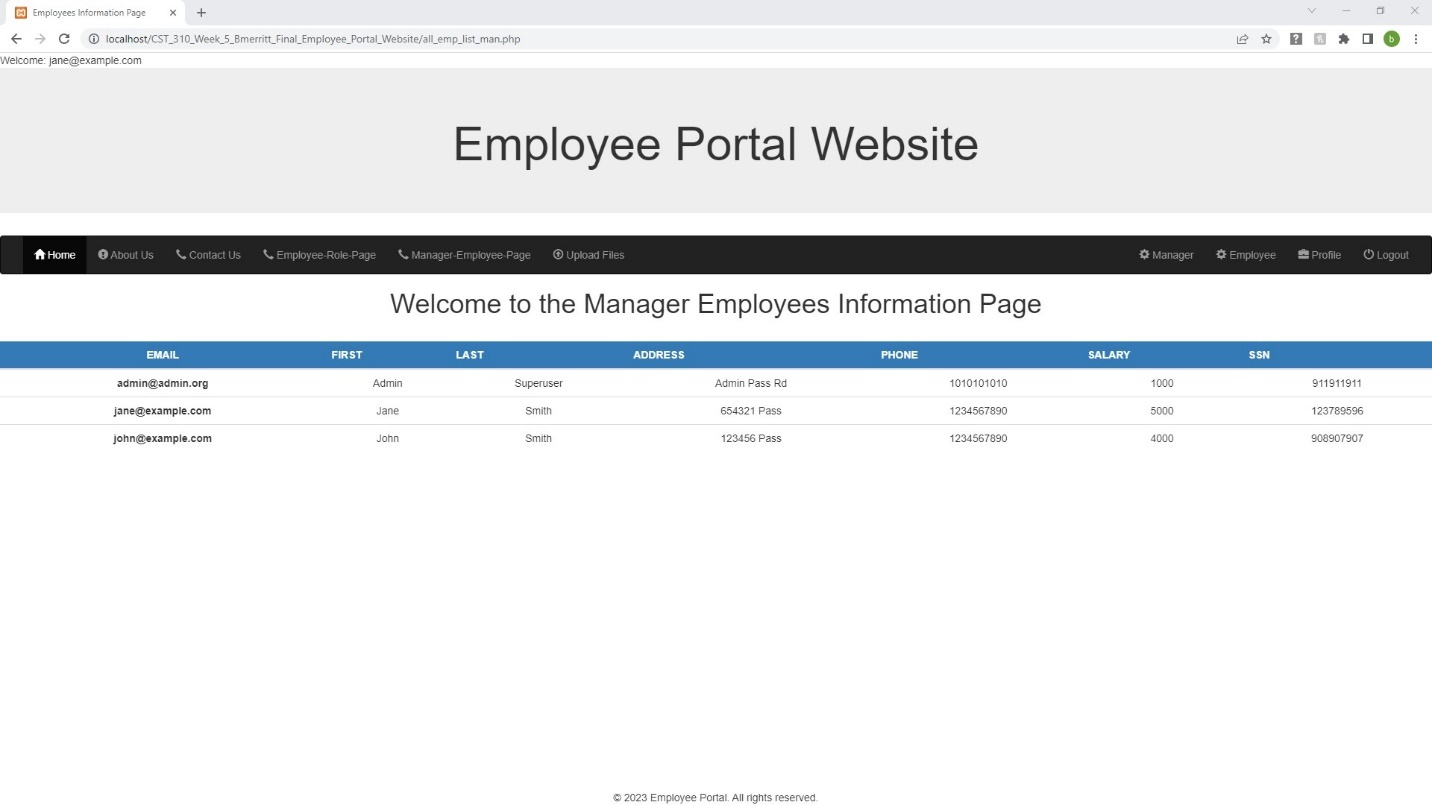


Figure . Jane sees Johns last name Smith and salary 4000

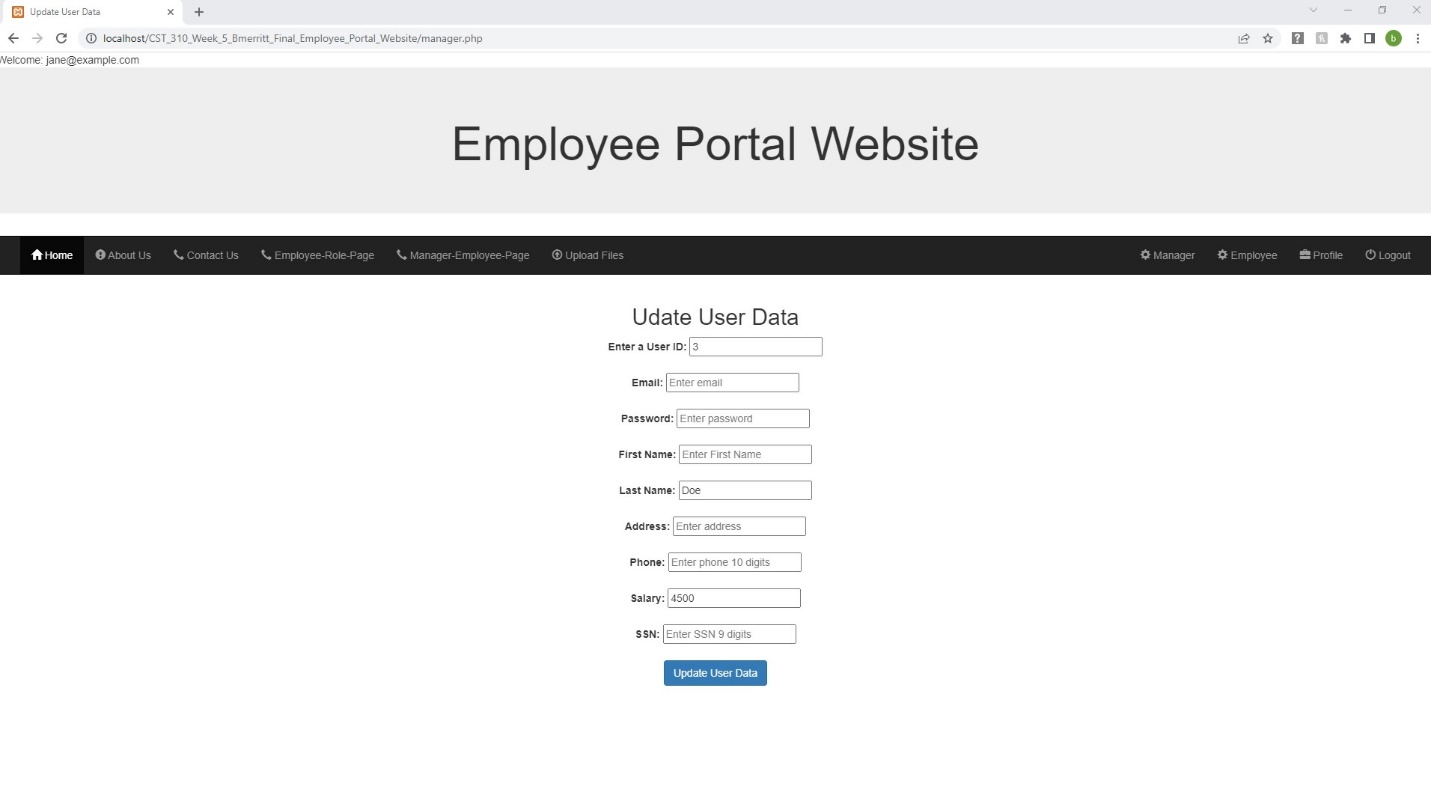


Figure . Jane updates Johns Last name Doe and salary to 4500.

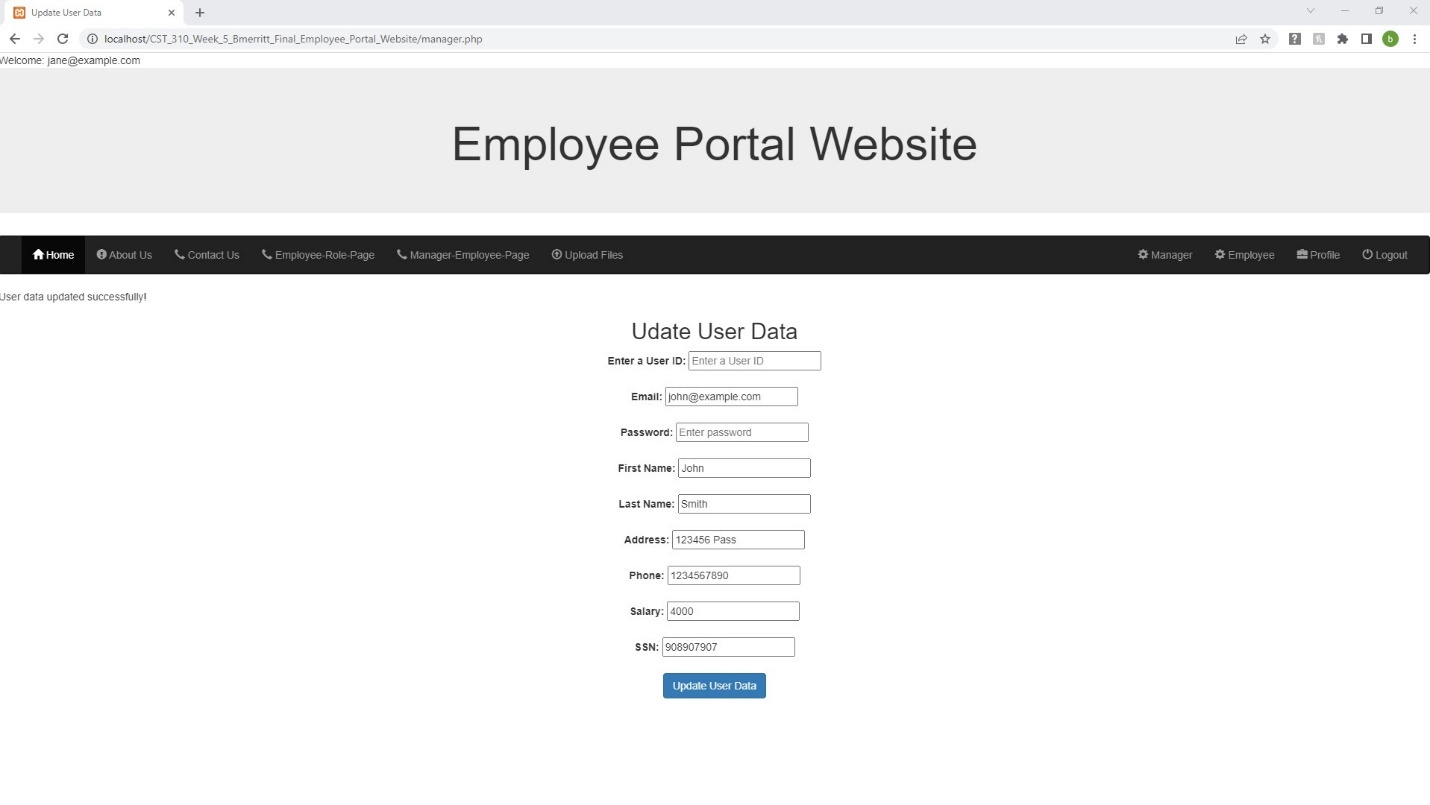


Figure . Jane is successful changing Johns information.

A screenshot of a computer

Description automatically generated with medium confidence

Figure . Data shows in Manager Employees Page.

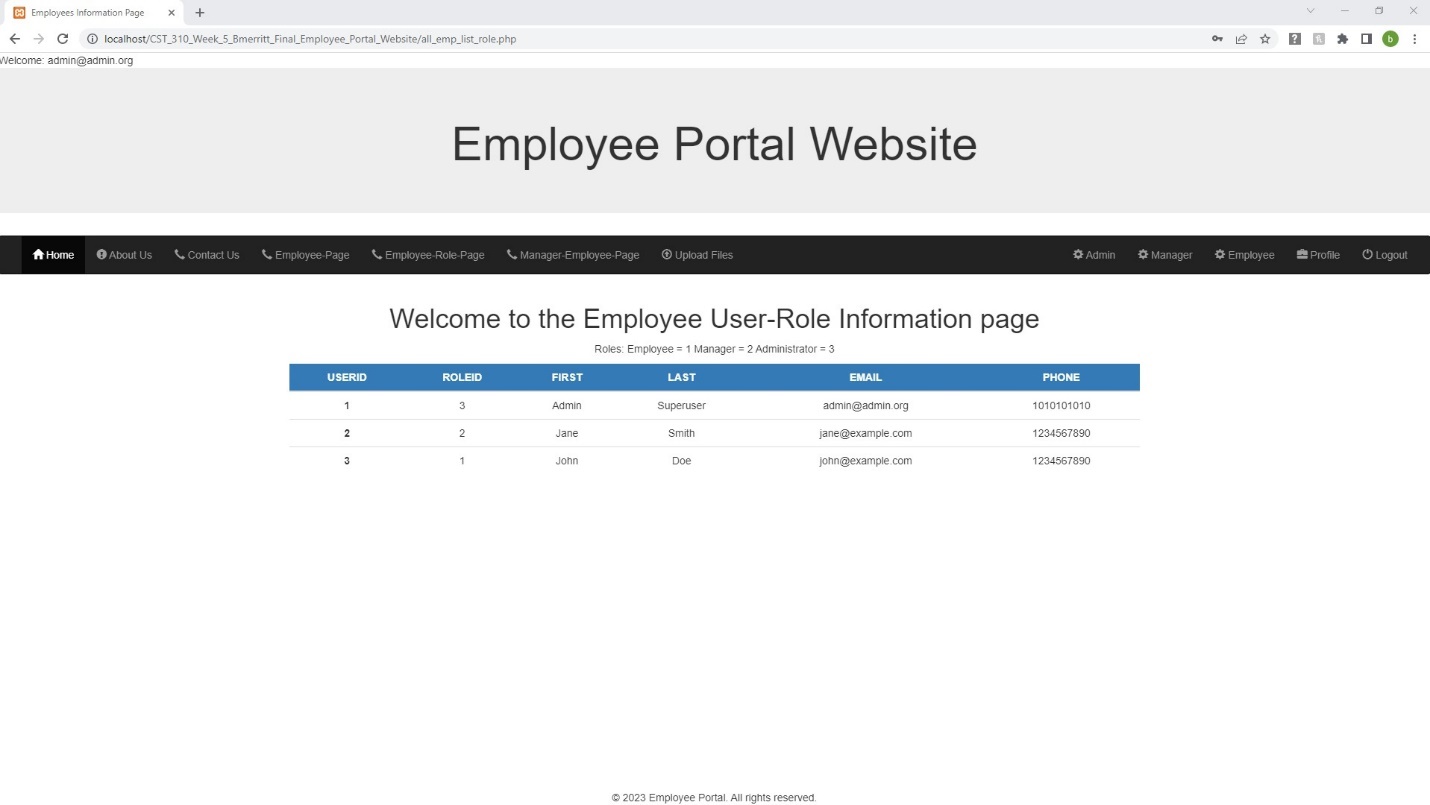


Figure . Admin Login John is user 3 role 1.



Figure . John is upgraded to Manager.

A screenshot of a computer

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Figure . Employee User-Role page shows Updated information.

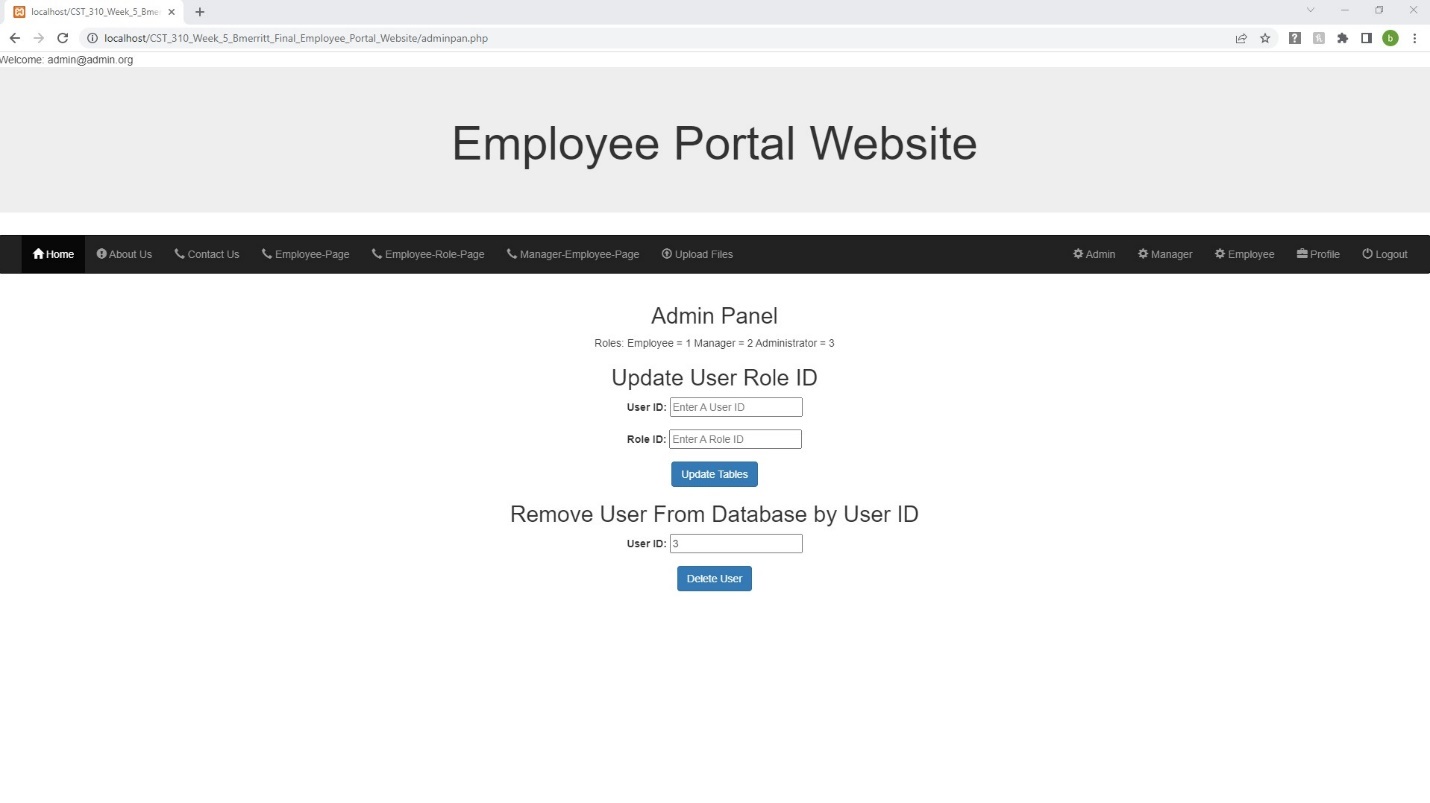


Figure . Admin Panel User 3 John entered for Removal.

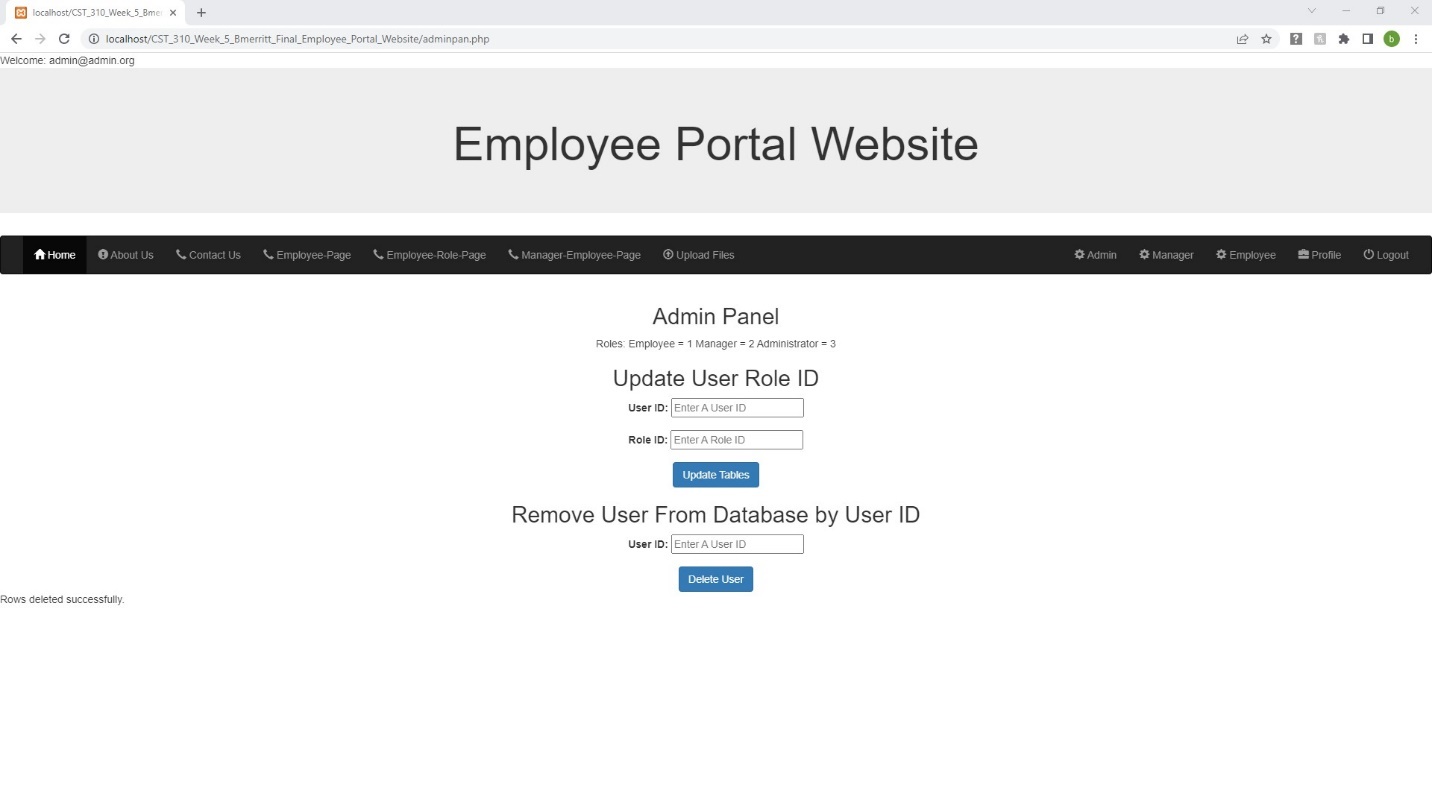


Figure . John was removed from database.

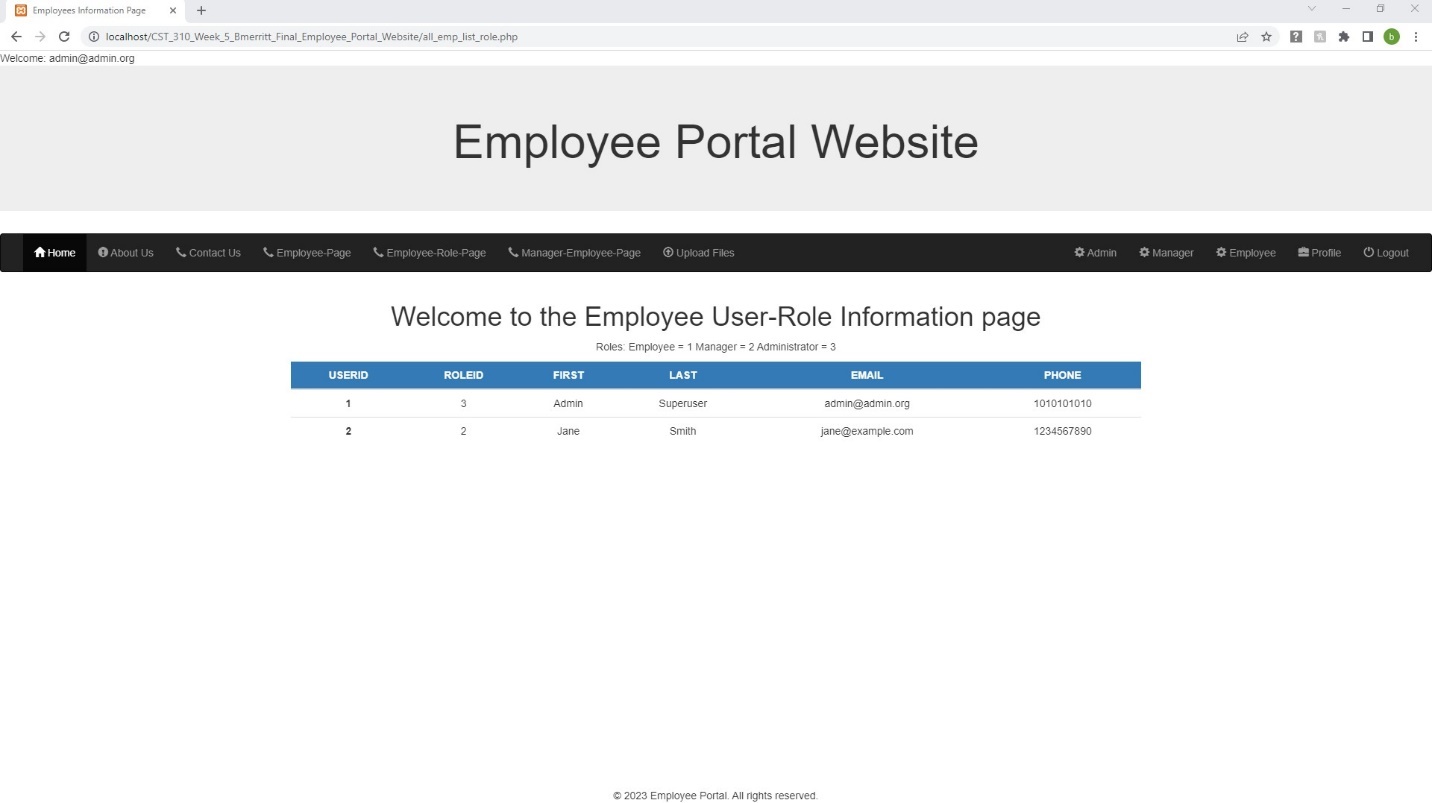


Figure . John is removed from employee role page.

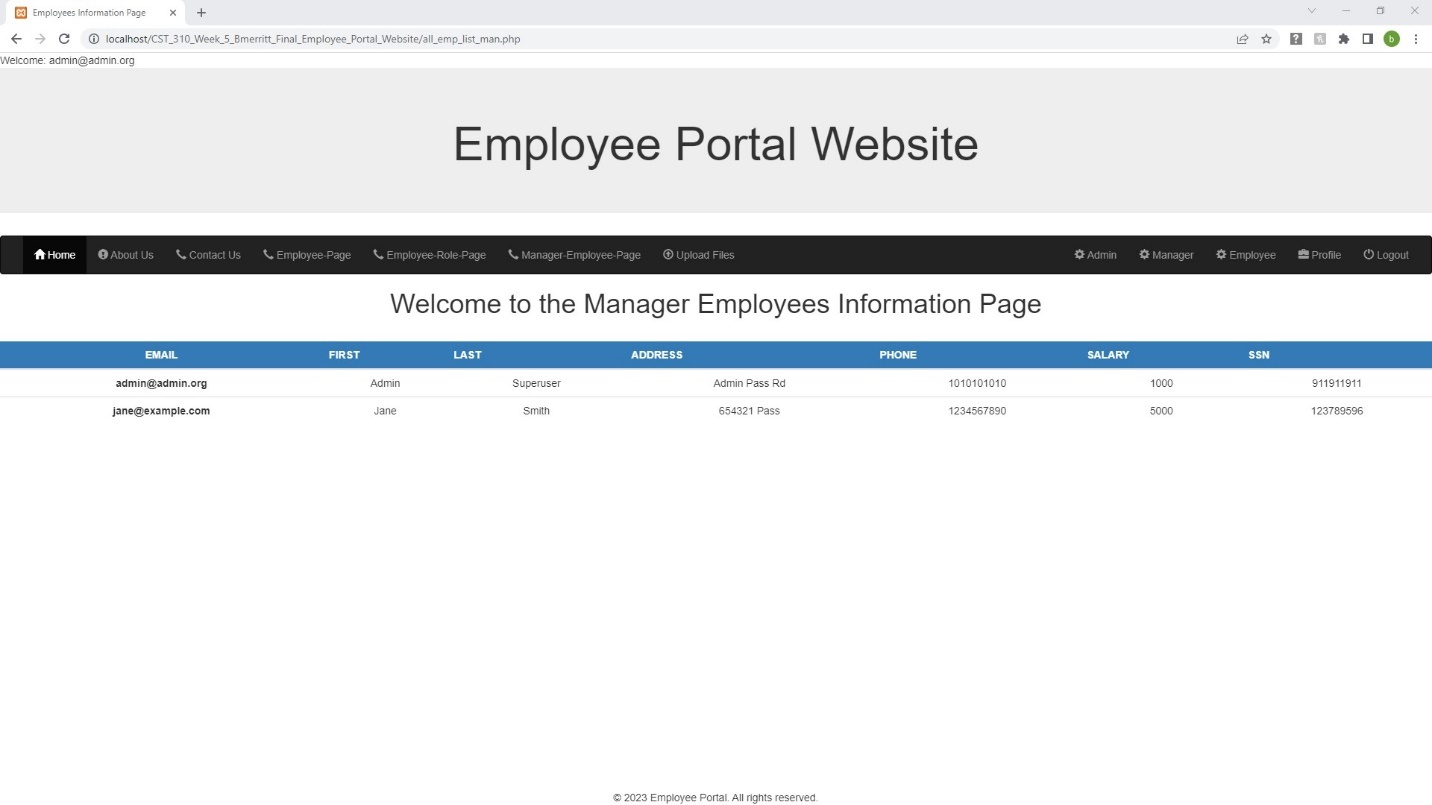


Figure . John removed from Manager Page.

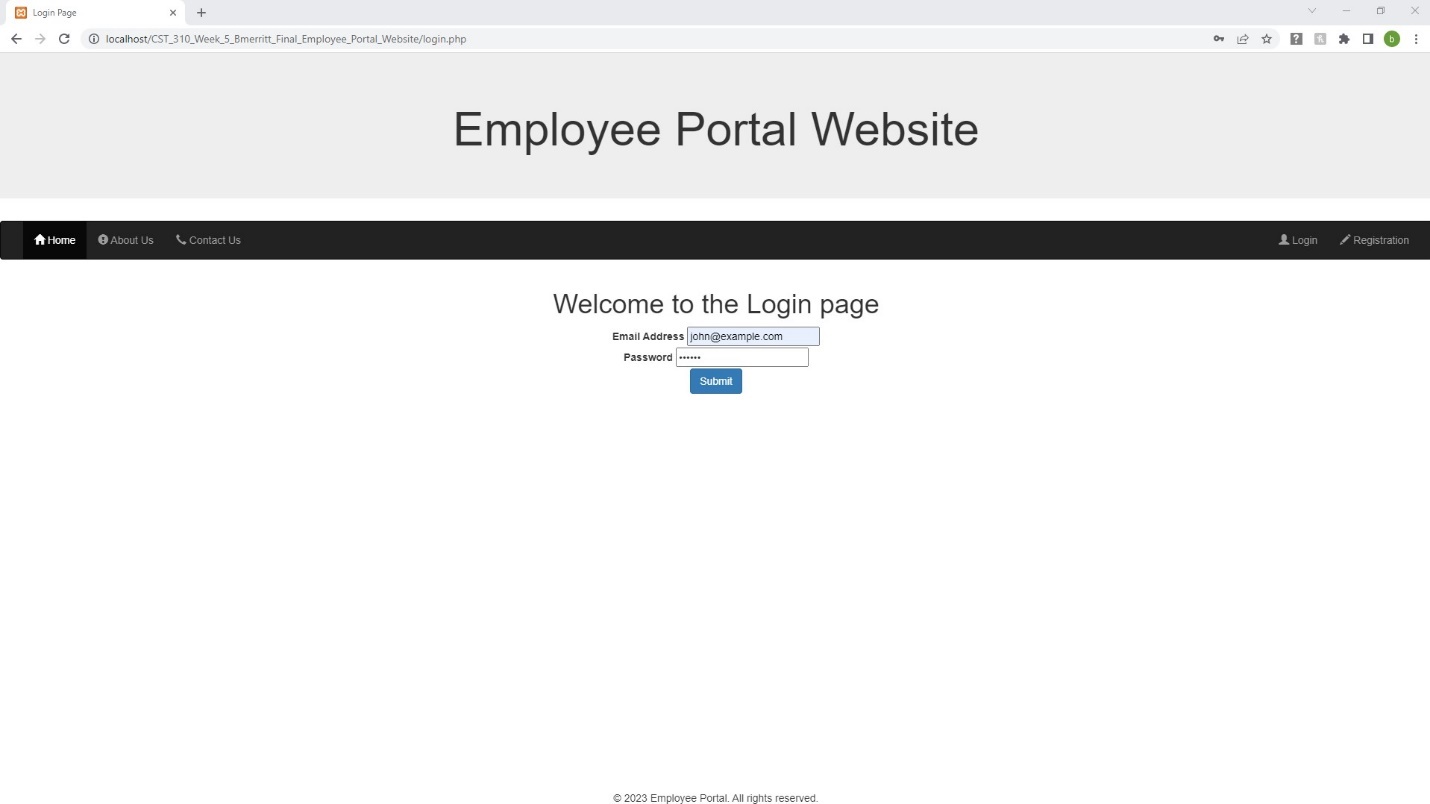


Figure . John trys login.

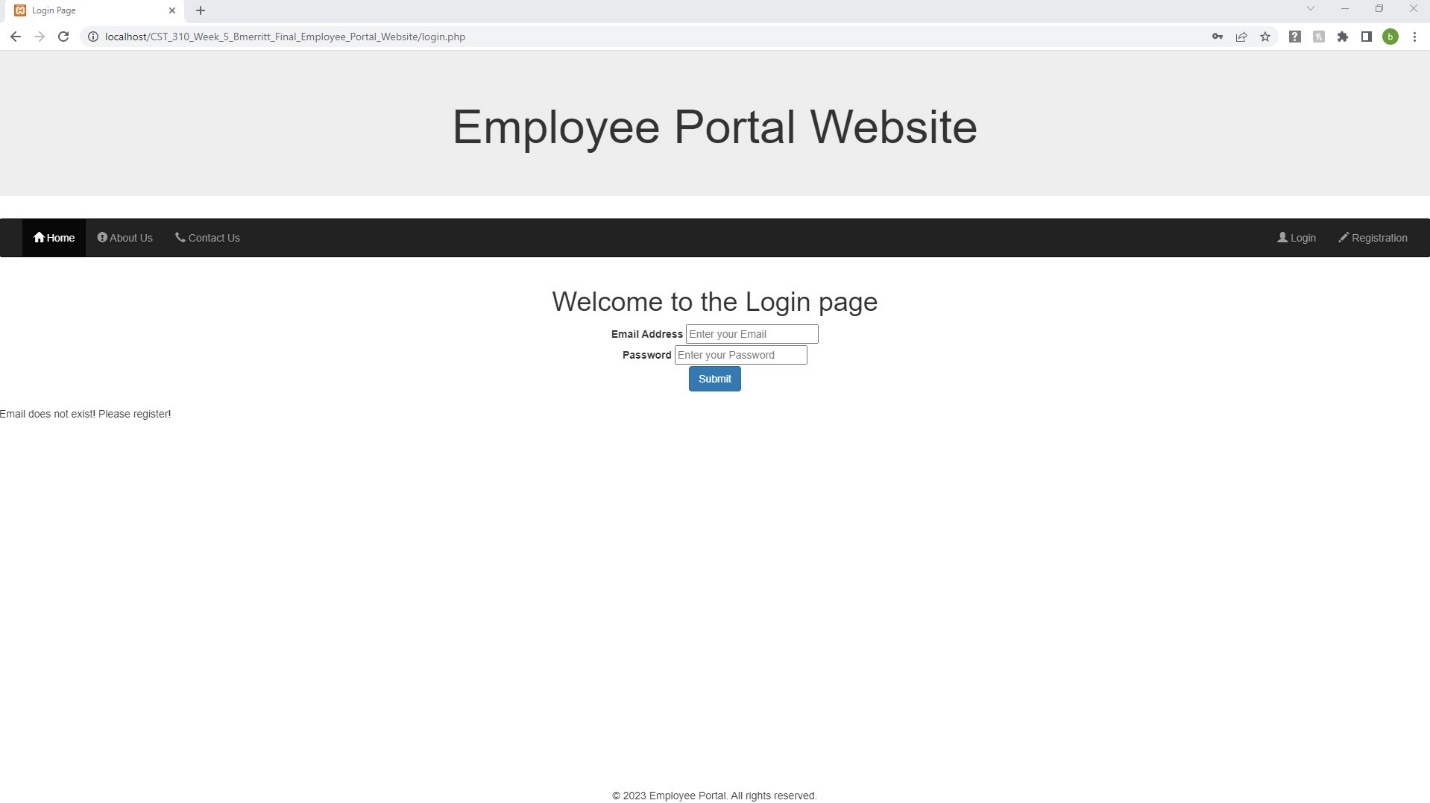


Figure . Login fails.

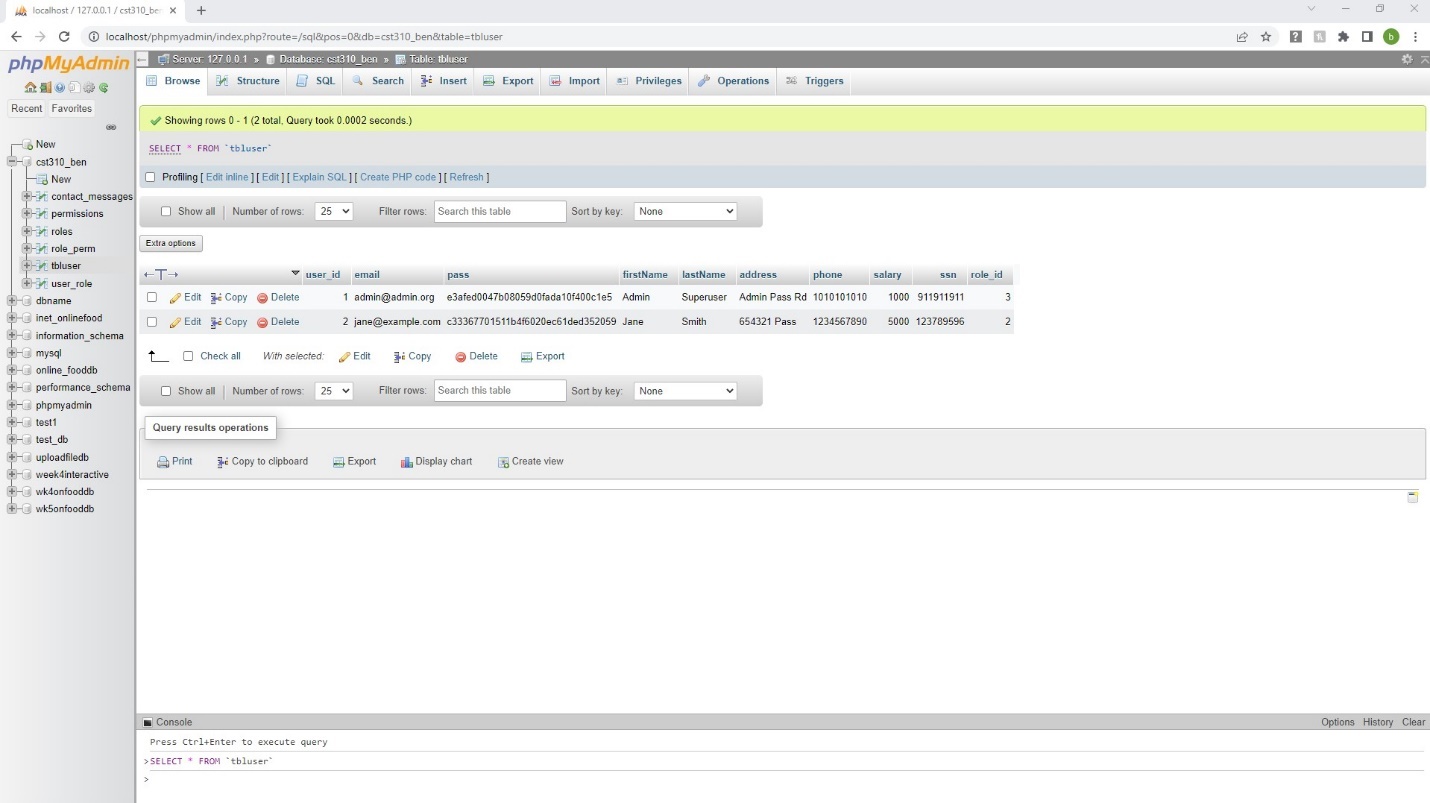


Figure . John is removed from database.

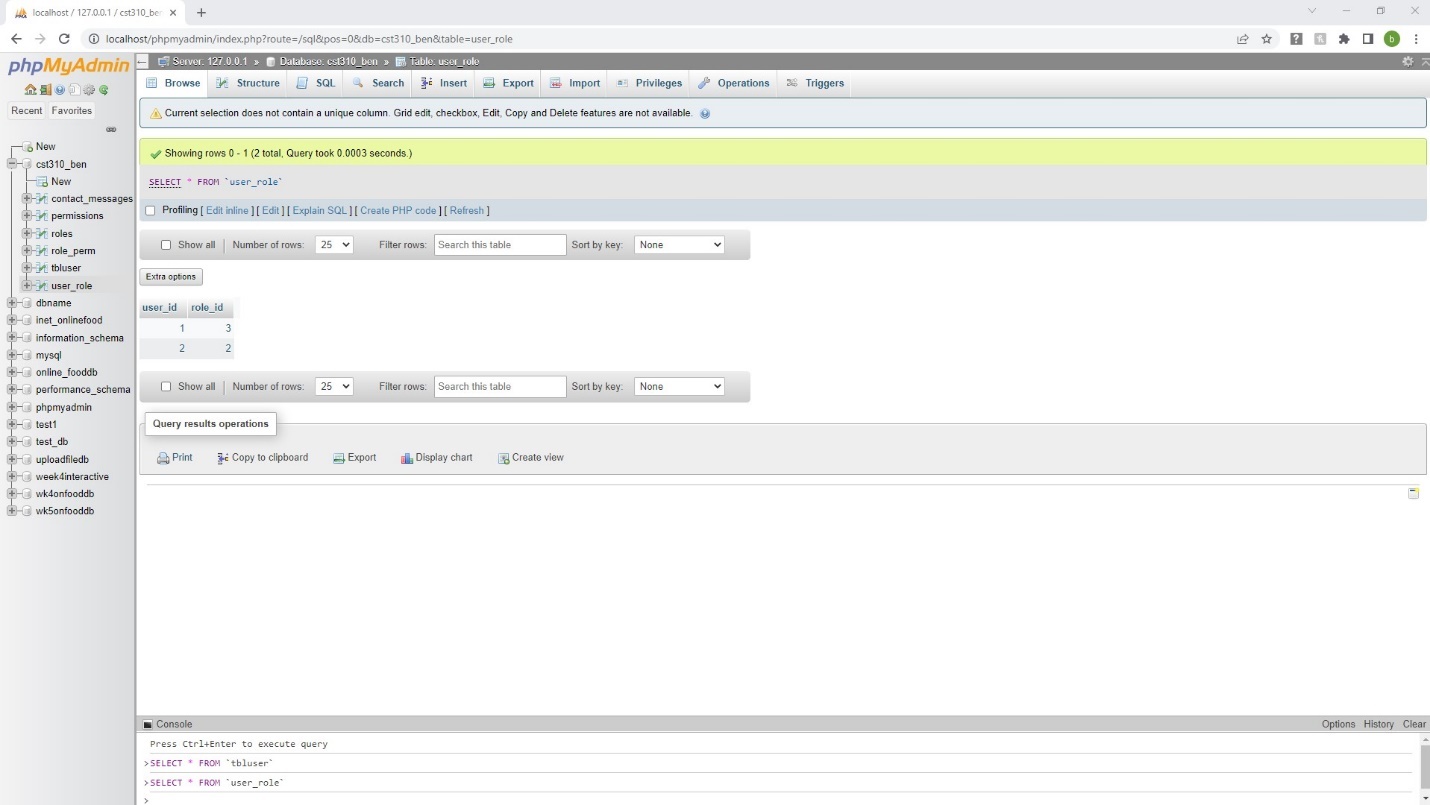


Figure . John is removed from user\_role table also.

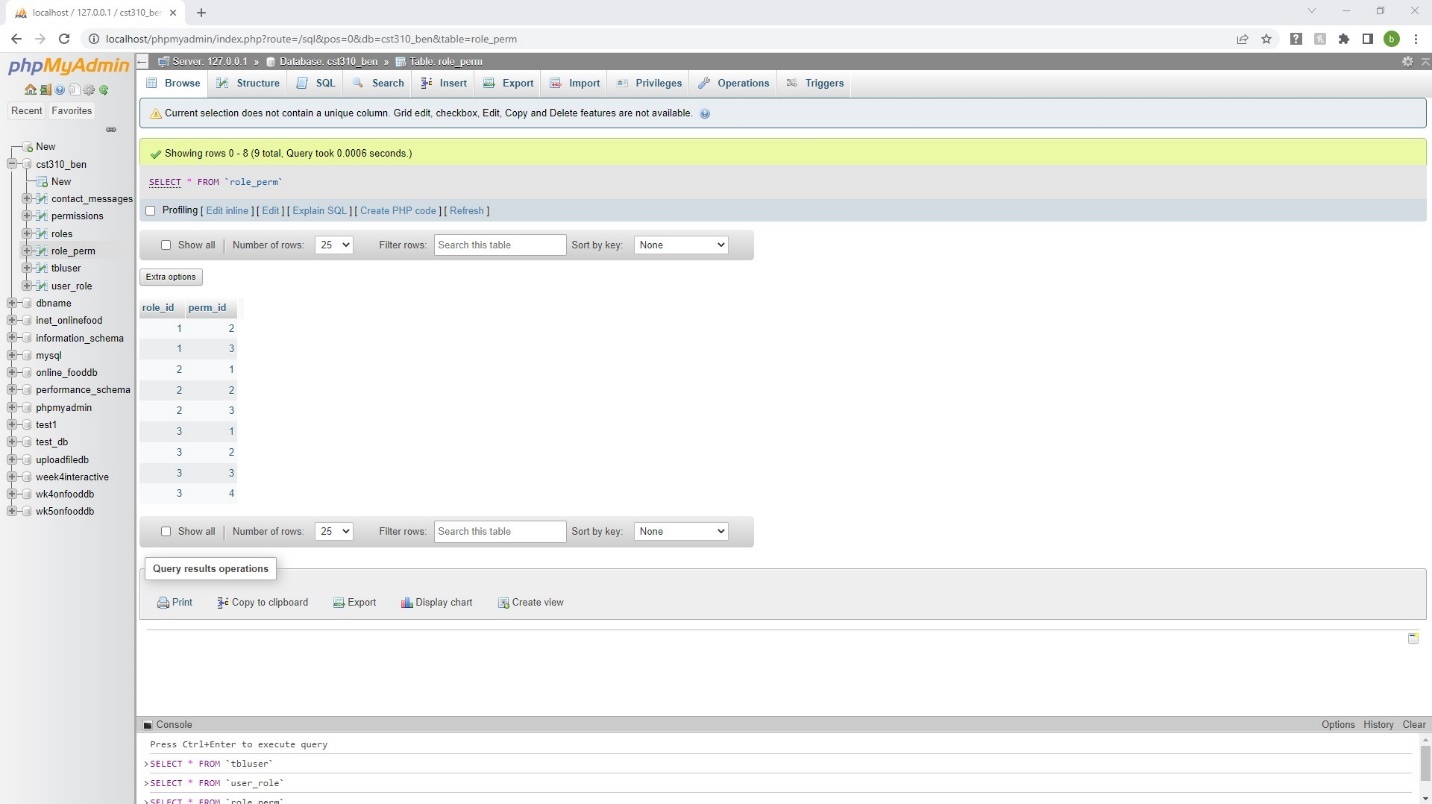


Figure . User role permissions.

A screenshot of a computer

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Figure . User Roles.

A screenshot of a computer

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Figure . Permissions create, read, update, delete.

**Explain the steps taken to create the Employee Portal Website.**

The initial step was to create the database “cst310\_ben” and tables using phpMyAdmin and importing a SQL script with Admin user inserted. A trigger in the database auto updated the user\_role table. The second step was to create a user through the registration.php page default user role is 1 for employee. The third step was to log in with the login.php page. A SESSION ‘username’ is created, and then the master.php code removes Login and Registration and shows Profile and Logout in the top right of the page Profile page is auto loaded. Welcome to the Employee Home page ‘Name’ is displayed if the Home tab is clicked, user stays logged in.

Password and invalid Email checking errors are included to check the format and against the database for security. I added the roles, different access, view or update to employee information pages. The employee portal website was very challenging and I learned there are many ways to design a website. I changed my connection code to PDO and it was difficult to understand at first, but I feel more confident after creating this project. The employee portal website is used in many businesses and is used to manage employee information. Please refer to the pictures above for a detailed description of the functions of the employee portal website.

Connolly & Hoar (2018) and Github.com showed examples of code and commands to help create the employee portal website.

Script is many .php files inside package.

Here is the link to the Screencast video URL: <https://screenpal.com/watch/c0h01xVAgnB>

Here is the Folio project link: https://portfolium.com/entry/cst-310-employee-portal-website-final-project.

**Conclusion**

Creating many pages and retrieving and verifying user information in a database is integral to building a website with user authentication. The steps are taken in this paper, such as creating the database and table, registering a user, logging in, retrieving the data, verification of the data, displaying profile layout and data for authorized employees, and logging out, can help in designing an employee portal website.

Reference

Connolly, R., & Hoar, R. (2018). [*Fundamentals of web development*](https://uagc.instructure.com/courses/116471/modules/items/5922958) (2nd ed.). Pearson.

Github.com (n.d). Search results for employee portal examples.