

Lab 9 - JSF Data Tables

Summary

This assignment is another milestone towards your final project. It incorporates JSF `h:dataTable` functionality and reinforces JSF concepts introduced in previous weeks. I want to make sure you don't wait until the last minute to incorporate these into your projects!

Requirements

Documentation

There is no further documentation required for Lab 9.

Database Setup

Use your `itmd4515` database and user from Lab 1.

Project Setup

Your `uid-fp` repository should already be setup, and you should continue pushing your commits into GitHub for this lab. Use a prefix on your commit messages of "Lab 9"

Project Requirements

You should add these changes to your `uid-fp` project.

1. Pick one of the Bootstrap examples to use as your application template, and add the relevant code to your JSF template so it applies to every page. Navigation and Logout should happen through links in your template. I should be able to login to your application, see the parts that are available to me, click into them, and then Logout seamlessly.
2. Incorporate error handling functionality in `web.xml` so 403 and other errors are displayed with an application error page of your design.
3. Using `h:dataTables` components, present information relevant to the authenticated user on your application's JSF pages. In my sample application, this would be on the welcome or landing page for each area of the app.
 - a. You should introduce new JSF Controllers / Backing Beans to call your services, and bind fields from your new JSF Controllers / Backing Beans to the `h:dataTable`
 - i. In simple cases, you can follow the short-cut I used during class to directly invoke `@Named` `@Stateless` EJB components where appropriate.
 - b. Implement JSF controller functionality as needed to handle the model, helper methods, or action methods.
4. Make appropriate use of `f:convertDateTime` and other components/converters to assist you in proper formatting of your data
5. Make appropriate use of your logical application roles to display relevant content to the authenticated user
6. Submit to Canvas or Beacon
 - a. Right your **uid-fp** project and select "Clean"
 - b. Go to your NetBeans Projects directory. Create a zip file of the **uid-fp** folder and submit it to the Canvas or Beacon assignment.