

# Lab 10 - Composite Components and Action Links from Data Tables

## Summary

This assignment is the final milestone towards your final project. It incorporates JSF `h:dataTable` and JSF composite component functionality. 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 10.

### 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 10"

### Project Requirements

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

1. 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.
  1. You should plan on introducing new JSF Controllers as demonstrated in class
  2. Within the data table, include links to View, Edit and Delete each record. Include an appropriate action link to create a new record.
  3. Implement JSF Controller functionality to handle these actions
  4. Implement new service methods as appropriate
2. Make appropriate use of `f:convertDateTime` and other components/converters to assist you in proper formatting of your data
3. Make appropriate use of a JSF composite component to use on your views. In class, I have shown how composite components can be parameterized for reusability. It is entirely up to you how to design the pages and components, but remember the principal of DRY (Don't Repeat Yourself)
4. Submit to Canvas or Beacon
  1. Right your **uid-fp** project and select "Clean"

2. Go to your NetBeans Projects directory. Create a zip file of the **uid-fp** folder and submit it to the Canvas or Beacon assignment.