

# PROG32758 - Assignment 2 – 10%

## Make Your Own Store

Due June 17, 2025 at 11:59pm

### Overview

In this assignment you are going to create a store and manage employees for that store. Be creative and have fun.

### Part 1: Root Page, Navigation, and Design

You should have a root page for your application. Choose a theme for your store so that it makes things more attractive. The root page should be attractive and advertise your store. Each page should have hyperlinks or buttons to navigate throughout your application. Your project should have nicely designed HTML pages. Make use of CSS to make the pages appealing to read. Include images as well. You want your pages to be attractive.

### Part 2: Beans

Your store should contain at least 2 beans. One will be store information, which must contain the store name and at least 3 more fields. The other will be employee information, which will contain the employee name, the store name, shift date, shift time and at least 2 more fields. Fields should contain data types that are appropriate. You should have separate repositories to manage each object.

### Part 3: Database

Create a database connection to H2. You should have a schema and data file to setup your database. In your data file, create at least 4 stores and 20 employees. The store names for your employees should match stores that you created.

### Part 4: Add Store

You should have an add page for your store. Make sure that input fields are properly assigned. Add appropriate records into a database.

### Part 5: Add Employee

You should have an add page for your employee. For your store field, it should be a dropdown list that is populated by the stores that exist in your database. This means when a new store is added to the database your dropdown list in add employee will also be updated. Make sure that input fields are properly assigned. Add appropriate records into a database.

## Part 6: View Page

Create a page that will let you view Employees within a store. You should do one of the following:

- A. Be able to select a store from a dropdown list of stores that exist in the database. Once the store is selected, display the store information and all the employees in that store.
- B. Display the information about each store. Underneath each store, display a table showing all the employees in that store.
- C. For 15/25 marks in this section, display a table showing all the stores. In a separate table display all the employees.

## Part 7: Edit and Delete

Next to each of your employees in your view page, add a link to edit and delete the specific record.

## Use of New Material

You are expected to use the material that is taught in class and in the notes. If you use libraries and Spring Boot code that is not done in class, you are required to discuss it with me prior to using it in your assignment. If you do not discuss it with me, you may face deductions in your assignment.

## Use of JavaScript and Other Languages

Your code is expected to be functional using Spring Boot, Thymeleaf, and H2. JavaScript should not be used to add any primary functionality, only design and style. **You should not make use of Servlets or JSP's for any part of the project.**

## Naming Conventions

Your assignment should use the package and project naming conventions outlined in class. Failure to do so will result in severe deductions on your assignment. Your full name must be in the project name and should follow the pattern "Assignment2\_FirstName\_LastName". Renaming the Zipped folder is not sufficient.

## Submission

Your assignment should be submitted as a single zipped Eclipse project. There will be a dropbox opening on slate that will allow you to submit the assignment. You may submit the assignment on slate as many times as you wish, but only the last submission will be marked. Slate will close the dropbox submission on the specified time.

## Last Day for Submissions

Assignments will receive a 10% penalty per late day submission. The last day to submit the assignment is June 20, 11:59 pm. Any assignments not submitted by that time will receive a grade of 0.

## Individual Assignment

Remember that this is an individual assignment meaning you are required to work on this alone. If you work, collaborate, discuss, or share your work with other students you risk a breach of academic integrity.

## Accommodations

Any students with accommodations for this assignment must email me at least 3 days before the assignment is due with the specified accommodation and arrangements will be discussed. Students who do not contact me at least 3 days before the due date void any accommodations for this assignment.

## Marking Scheme

<b>Part 1: Root Pages, Links, and Design</b>	/10
<b>Part 2: Beans</b>	/10
<b>Part 3: Dummy Records</b>	/10
<b>Part 4: Add Store</b>	/10
<b>Part 5: Add Employees</b>	/15
<b>Part 6: View</b>	/25
<b>Part 7: Edit and Delete</b>	/20
<b>Deductions (These are deductions on any marks received above):</b> -Project improperly named. -Program does not make use of proper structure -Program does not use appropriate Spring Boot or Thymeleaf libraries -Program does not link to other pages appropriately -Late	
<b>Total</b>	<b>/100</b>