

The Third Meal

Project #50

Sudeep Galgali, Christina Nguyen, Seth Perry

Part 4 (by Seth Perry)

Slides at end

Github page:

<https://github.com/cnguyen83/CSCI-5448-OO>

Presentation Video:

[https://github.com/cnguyen83/CSCI-5448-OO/blob/master/50 TheThirdMeal Perry Part4.mp4](https://github.com/cnguyen83/CSCI-5448-OO/blob/master/50%20TheThirdMeal%20Perry%20Part4.mp4)

Demo Video:

[https://github.com/cnguyen83/CSCI-5448-OO/blob/master/50 TheThirdMeal Perry Video.mp4](https://github.com/cnguyen83/CSCI-5448-OO/blob/master/50%20TheThirdMeal%20Perry%20Video.mp4)



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Project Overview

- Food application
 - Customers place food orders
 - Restaurants view food orders
- Technologies used
 - Spring MVC + Spring Security
 - Thymeleaf
 - Hibernate
 - MySQL



Demo

The image features a dark navy blue background. On the left side, there are two overlapping geometric shapes: a blue parallelogram and a light green parallelogram, both tilted at an angle. The green shape is positioned slightly to the right and above the blue one. The text 'Design Patterns' is written in a white, sans-serif font, centered horizontally in the right half of the image.

Design Patterns



Main Design Patterns Used

- Dependency Injection
- Strategy Design Pattern



Dependency Injection

- Providing Data-access objects to controllers
 - Gives a layer of indirection
 - Testability



Strategy Pattern

- Provides a layer of indirection
 - Pieces of code that use the interface don't need to change with the implementation
 - Testability
 - Separation of concerns