

CATER MATE

Catering business order tracking system

Agenda:

- Overview & Background
- Demo
- Technical Architecture
- Wire frame & Schema Diagram
- Technical Challenges
- Lessons Learned
- Future Improvements
- Q & A

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Overview & Background:

- Existing solution:

Excel sheets with formula - difficult for the owner to change

- New solution:

A web-based application that is easy to use and change information

- Application for Optum:

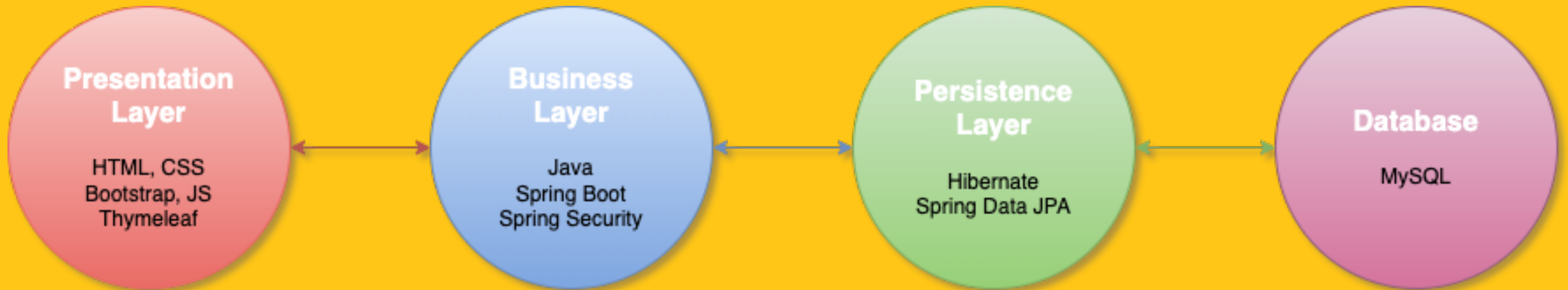
A generic shopping application with products, shopping cart, order, customer information

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Demo:

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Technical Architecture:



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Wire frame:

<https://github.com/supamasS/cater-mate/blob/main/doc/Cater%20Mate-wireframe.pdf>

Schema Diagram:

https://github.com/supamasS/cater-mate/blob/main/Sirichotiyakul_Supamas_Schema.pdf

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Technical Challenges:

- Thymeleaf can only return a single object with form submission

Solution: - create a dto object containing all needed information

- use PathVariable to provide menu item id

- Bi-directional relationship creates infinite JSON object in RestController - order and order_item

Solution: unidirectional relationship

- Order and checkout pages combined made the page too complicated

Solution: separate out order page and checkout page

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Lessons Learned:

- Thymeleaf does not work the way I assumed
 - should have spent more time learning it in more detail first
- Project Management
 - Narrow down the project scope for the given time frame
- Making decisions early and finishing implementation early
 - left time for improvements later on in the project without much stress
- Project management with priorities and daily goals is critical

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Future Improvements:

- Ingredients
- List of ingredients for each menu item
- Kitchen pick sheet
- Save customer information with user login
- List products by popularity