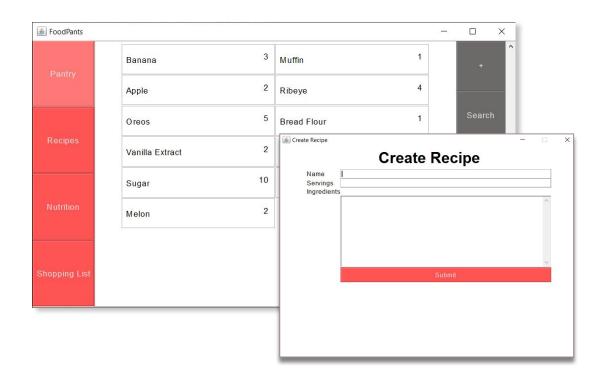


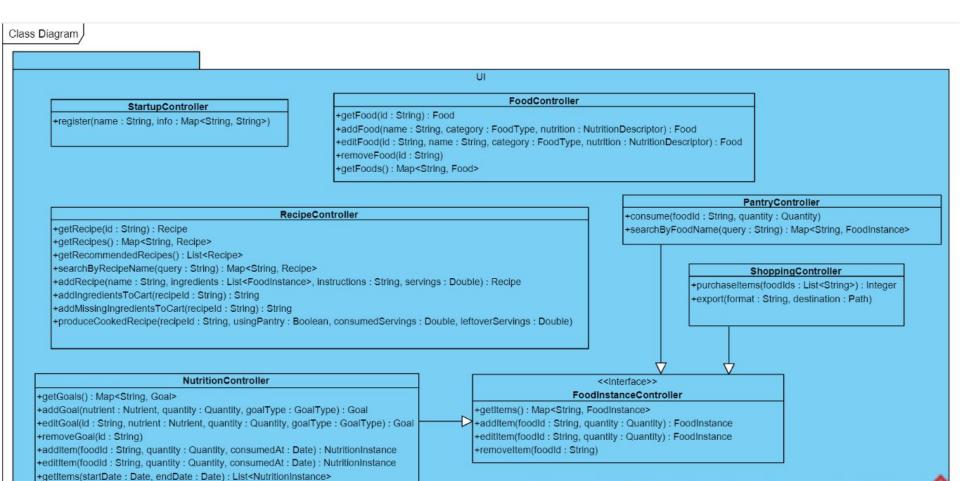


Demo User Interface

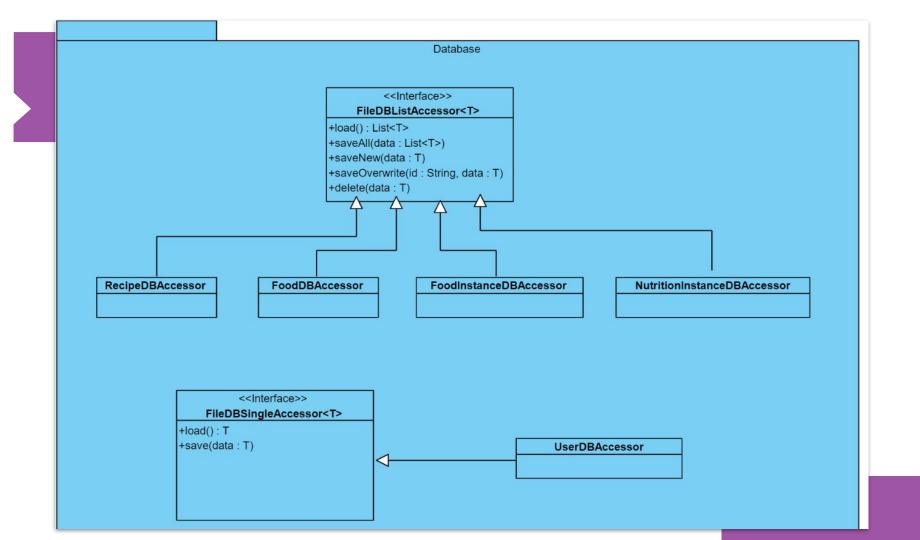












Class Name	PantryController					
GRASP Pattern Controller Description A controller for the pantry. This class handles input events directed at the Paportion of the application. It also serve						
Description	A controller for the pantry. This class handles input events directed at the Pantry portion of the application. It also serves to separate the UI from business logic to maximize reusability.					

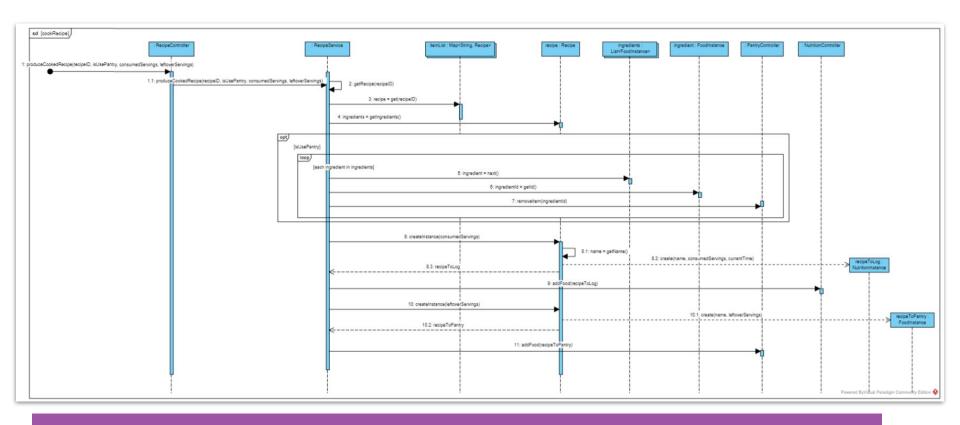
Class Name	Food
GRASP Pattern	Information Expert
Description	An information expert for food types. This class contains all necessary information to store a food type object.

Class Name	PantryService							
GRASP Pattern	Pure Fabrication							
Description	This class handles functionality relating to the pantry within the application. It is dedicated to handling business logic.							

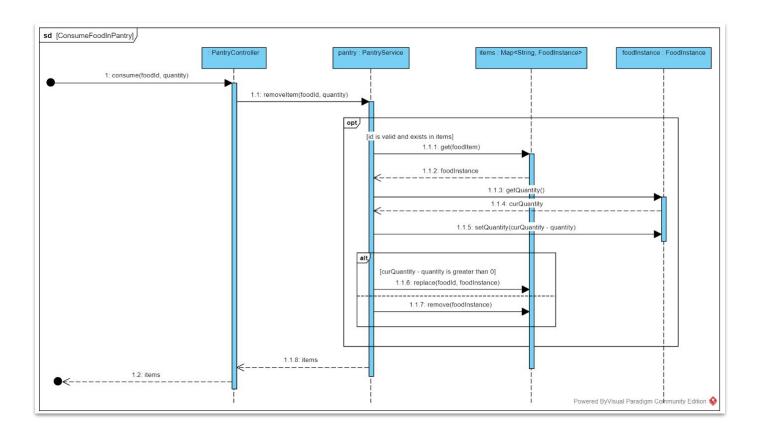
Class Name	RecipeDBAccessor
GRASP Pattern	Low Coupling
Description	This database accessor helps separate the service from the database and keeps the services separated from each other.

Example GRASP

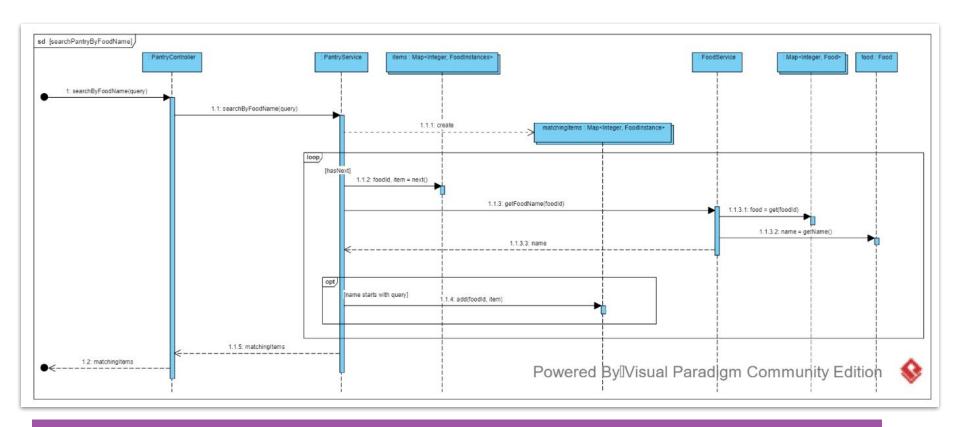




Example Sequence Diagram: Produce Cooked Recipe



Example Sequence Diagram: Consume Food In Pantry



Example Sequence Diagram: Search Pantry

Test Coverage Plan

Our Test Coverage Plan is designed to prescribe the scope, approach, and high-level overview of all testing activities of the FoodPants project. The plan identifies the items to be tested, the features to be tested, and the types of testing to be performed. Unit testing, integration testing, and system testing will be performed using JUnit to ensure code is implemented correctly and robustly and analyzing the UI to ensure that the interfaces among the subsystems operate correctly and all requirements are met for the user.

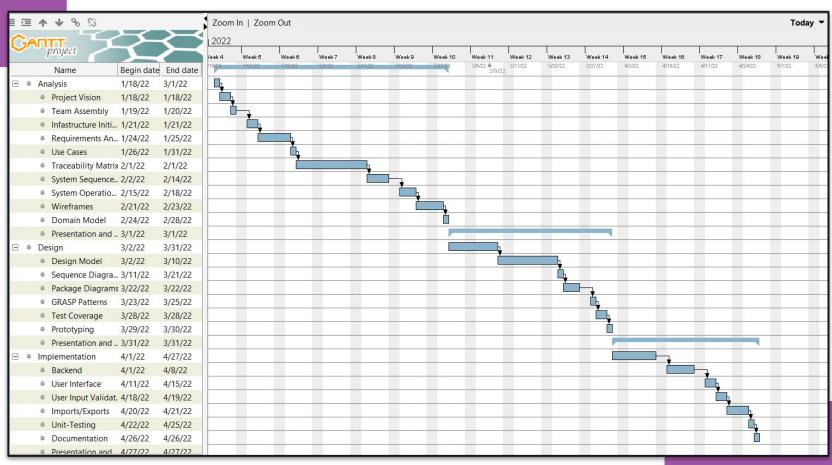


Test Coverage Plan (Cont.)

- (1) PANTRY USE CASES (Scope: Pantry system):
- 1.1 Manage pantry (add/edit/remove items manually)
 - Test successful adding of food item (Expected Result: food item should appear in pantry with correct quantity and name)
 - Test successful editing of food item details (Expected Result: food item name or quantity should appear updated to match new entered details)
 - Test successful removal of food items (Expected Result: food item should no longer appear in pantry)
 - Test adding of food item with missing details (Expected Result: program should wait until user enters all missing details or exits without adding)
 - Test adding of food item that already exists (Expected Result: program should add new quantity to already existing quantity of food item that is already in the pantry)
 - Test adding of food item that has new food type (Expected Result: program should prompt use to add a new food type)
- 1.2 Search pantry (by name of food type)
 - Test searching pantry for specific food item (Expected Result: food item with name containing user's query should appear in results)
 - Test searching pantry for query that does not match any food item (Expected Result: program should tell user no match exists)
 - Test searching pantry with query that matches multiple food items (Expected Result: all food items with name containing user's query should appear in results)
- 1.3 Consume specific item (add to nutrition log)
 - Test successful consumption of 1 of food item in pantry (Expected Result: food item should be updated with decremented quantity)
 - Test successful consumption of more than 1 of a food <u>item</u> in pantry (Expected Result: food item should be updated with previous quantity – amount consumed)
 - Test consumption of quantity amount of food item in pantry (Expected Result: quantity left is 0 meaning food item should be removed from pantry)
 - Test consumption of more than quantity amount of food item in pantry (Expected Result: negative quantity left meaning food item should be removed from pantry)



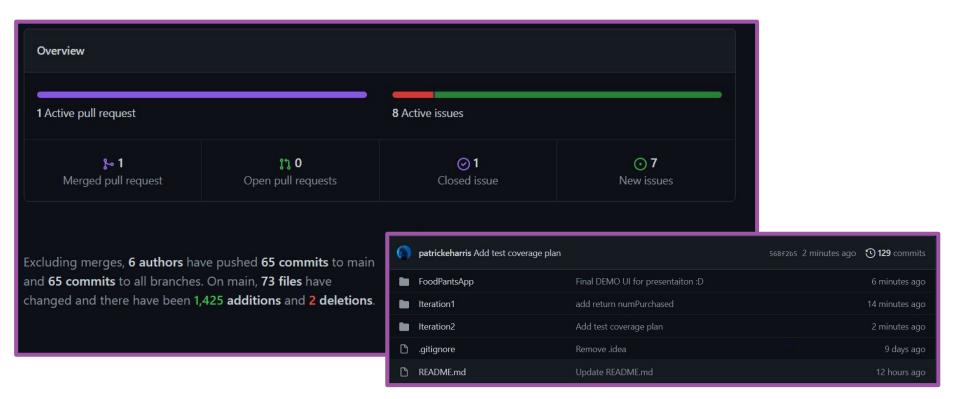
Updated Gantt Project Plan



160+ hours Tracked via Chronos in Trello



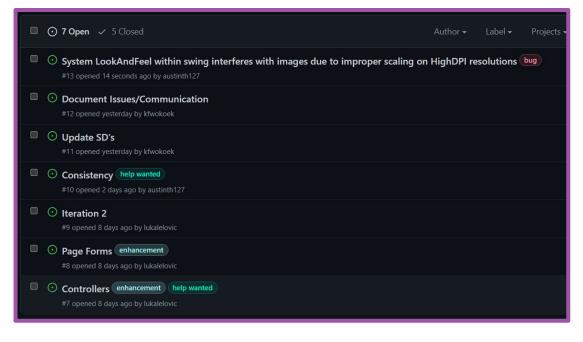
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A Austin_Huizinga1	36h 34m							4h 0m						1h 0m							4h 20m		8h 30
Daniel Luper	33h 8m				1h 15m								21m						1h 20m			6h 50m	11h
Kurt_Wokoek1	22h 34m																		1h 0m	48m	1h 30m	2h 15m	3h 4
Patrick_Harris3	25h 30m																		2h 0m			2h 30m	7h 3
PJ_Wallace1	25h 0m															1h 30m			1h 30m		2h 0m	3h 30m	
Luka_Lelovic1	25h 0m														4h 0m				1h 30m	2h 30m	1h 15m	2h 30m	
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Issue Tracking System





Q/A

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CSI 3471: Software Engineering: Cerny

Credits

Special thanks to all the people who made and released these awesome resources for free:

- Presentation template by <u>SlidesCarnival</u>
- Photographs by <u>Unsplash</u>

