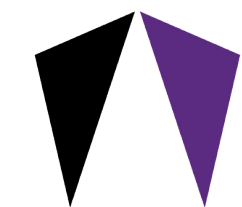


DEPARTMENT OF

Computer Science



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SCIENCE & ENGINEERING



Naturally Curly Cook

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Advisor: Dr. Lisa Ball

Client: Kelly Ball

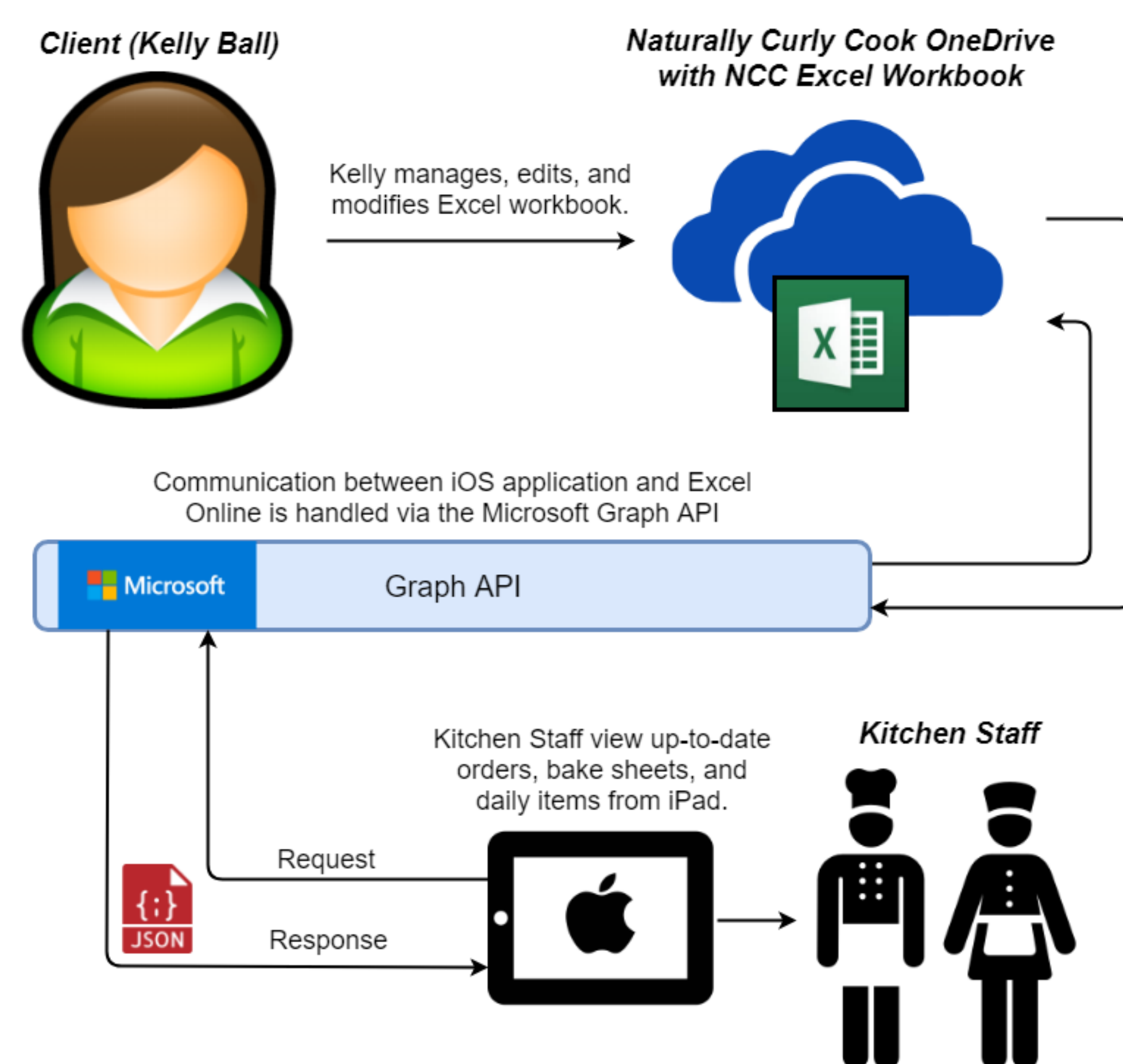


Background

Naturally Curly Cook is a baking business that does catering, standing coffee shop orders, and Farmer's Markets. Currently, Naturally Curly Cook is having difficulty with its current pen and paper ordering system and inefficient invoicing. The purpose of the Naturally Curly Cook Team is to create an iOS application that streamlines ordering and invoicing.

The application will display a daily baking list and what the bakers must bake with a check box system to ensure everything has been baked. It will also display weekly orders. Orders can be added, edited, and deleted while still maintaining the orders that do not change week to week. Excel will act as the database for all customers, orders and quantities to be stored. In addition to the ordering process, an invoicing process will allow invoices to be automatically generated from the week's orders. The new invoicing process will be generated from Excel and will allow for different pricing options and it will update with week to week changes. The intent of this project is to create a more automatic and efficient business while cutting costs and most importantly retaining data integrity.

System Design



iOS Companion App

	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Total
Apple Scone	2 clients order this	2	2	2	2	2	8	20
Banana Nutella Loaf	2 clients order this	1	1	1	1	1	2	8
Banana Nutella	1 client orders this	0	0	2	0	0	0	2
Blueberry Streusel	4 clients order this	8	15	14	12	14	14	89
Cheddar Thyme	2 clients order this	6	6	6	6	6	6	42
Cherry Pie	1 client orders this	0	0	0	1	0	0	1
Chocolate Chip Cookie	2 clients order this	0	10	8	5	5	5	38
Chocolate Kolache	1 client orders this	5	5	5	5	5	5	35

Results and Conclusions

- The iOS application is currently being extensively tested within our client's domain. Naturally Curly Cook will be trained in using the application and modifications will be made to ensure an ease-of-use and user friendly navigation.
- The iOS application can be used by our client to view her daily order, make immediate changes that can be viewed by the rest of employees, and expedite the invoicing process.
- The iOS application can be used by our client's employees to view the orders for the daily bake, check if there are any changes to the orders, and verify the completion of a customer's order for correct invoicing and inventory.
- After testing, the product will be delivered to our client to be incorporated into her business.

Goals

- Develop an iOS application to assist in:
 1. Order Management: Allow our client to view and modify weekly and daily orders. Improve client organization to increase business efficiency and performance.
 2. Inventory Management: Allow easy access of weekly orders to be seen in-kitchen. Enable employees to modify customer's order based on any changes that occurred during the daily bake.
 3. Invoicing: Streamline the invoicing process for our client by allowing immediate invoice generation based off of the customer's weekly orders
- Accomplish this functionality within the context of our client's business domain and environment.

Invoicing with Excel

Product	Price	Quantity	Amount
Blueberry Streusel Muffin	\$ 1.50	27	\$ 40.50
Lemon Poppy Seed Muffin	\$ 1.50	33	\$ 49.50
Rosemary Gorgonzola Scone	\$ 1.50	27	\$ 40.50
Coconut Macaroon	\$ 1.25	31	\$ 38.75
Rose Water Shortbread	\$ 1.60	35	\$ 56.00
Orange Chocolate Chip Scone	\$ 1.50	9	\$ 13.50
Apple Scone	\$ 2.00	9	\$ 18.00
Spinach Quiche	\$ 13.00	8	\$ 96.00
Banana Nutella Loaf	\$ 12.00	1	\$ 12.00

Order Management with Excel

Item	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Customer	Category
Chocolate Cake	4	5	6	2		2	12	Avoca	5
Banana Nutella Muffin		2						Criswell	7
Blueberry Streusel Muffin	3	2		2				Criswell	3
Chocolate Chip Cookie	5	8		5				Criswell	9
Lemon Poppy Seed Muffin	5	6		4				Criswell	7
Banana Nutella Loaf	1	1	1	1	1	1	1	Fiction Coffee	
Blueberry Streusel Muffin	5	5	5	5	5	5	5	Fiction Coffee	1
Cheddar Thyme Scone	4	4	4	4	4	4	4	Fiction Coffee	1
Chocolate Chip Cookie	5	0	5	0	5	5	0	Fiction Coffee	9
Chocolate Kolache	5	5	5	5	5	5	5	Fiction Coffee	4
Heath Brownie	6	0	6	0	6	6	0	Fiction Coffee	
Apple Scone						6	6	Full City Rooster	3
Banana Nutella Loaf						1	1	Full City Rooster	
Blueberry Streusel Muffin	4	4	4	4	4	6		Full City Rooster	1
Coconut Macaroon						10		Full City Rooster	1
Lemon Poppy Seed Muffin	4	4	4	4	3	6		Full City Rooster	7
Orange Chocolate Chip Scone						6		Full City Rooster	3
Rose Water Shortbread						6		Full City Rooster	9
Rosemary Gorgonzola Scone	4	4	4	4	4	6		Full City Rooster	1
Spinach Quiche						2		Full City Rooster	6
Cherry Pie			1			0		Opening Bell	
Cinnamon Rolls			12			12		Opening Bell	
Pecan Pie			1			2		Opening Bell	
Apple Scone	2	2	2	2	2	2	2	Royal Blue Grocery	3
Blueberry Streusel Muffin	3	3	3	3	3	3	3	Royal Blue Grocery	1
Cheddar Thyme Scone	2	2	2	2	2	2	2	Royal Blue Grocery	1
Lemon Crème Scone	2	2	2	2	2	2	2	Royal Blue Grocery	5
Strawberry Muffin	2	2	2	2	2	0		Royal Blue Grocery	0

Acknowledgements

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References

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- <https://www.freshbooks.com>
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