

A Pizza order system is and modern, realistic and practical cloud-based solution for a Pizza Restaurant.

This system consists of a website we developed which is hosted on the cloud (Microsoft Azure) and a cloud-based management APP which we also developed to access and manage the back-end data which is collected and stored on the SQL Server in Microsoft Azure.

Work involved consisted of:

Website:

Front End Coding – Client Side: HTML, CSS, JavaScript order form and various on page JavaScript functions.

Back End Coding – Server Side: C# ASP.NET Web Form with SQL Insert Procedure Code.

APP:

Front End Web APP – Microsoft PowerApp Development & connection string to Azure SQL Server.

The website package was developed in Visual Studio, the APP was developed on Microsoft PowerApps dev platform.

Folder Contents

1. Data Dictionary
2. Gant Chart
3. Instructions (this document)
4. Doughbros.mp4 – Video
5. [Link \(if required\) to download the zip file containing \(200MB\)](#)
 - a. Visual Studio Solution for the Website
 - b. Hardcopy of the PowerApp

Overview

As our pizza order system is and modern, realistic and practical solution therefore, it is all cloud-based. There are no local files required to run however, there is an APP used to access the back-end data stored on the server, this app has been shared with you.

- Website is hosted on the cloud – you can open the Visual Studio Solution to check this out
- Microsoft PowerApp is hosted on the cloud – a special link has been shared with you from Michael by email on the 21/04/20 @ 12:55pm. Click the link in the email to open the app or, you can access it by visiting <https://make.powerapps.com/> and click Apps. To check this out you can click the three dots and edit. You can *import the canvas app* if the APP does not appear on the screen.

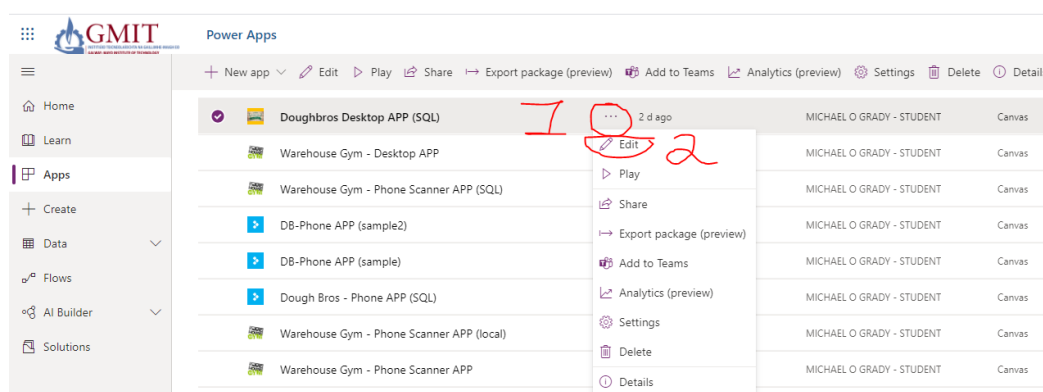


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Instructions

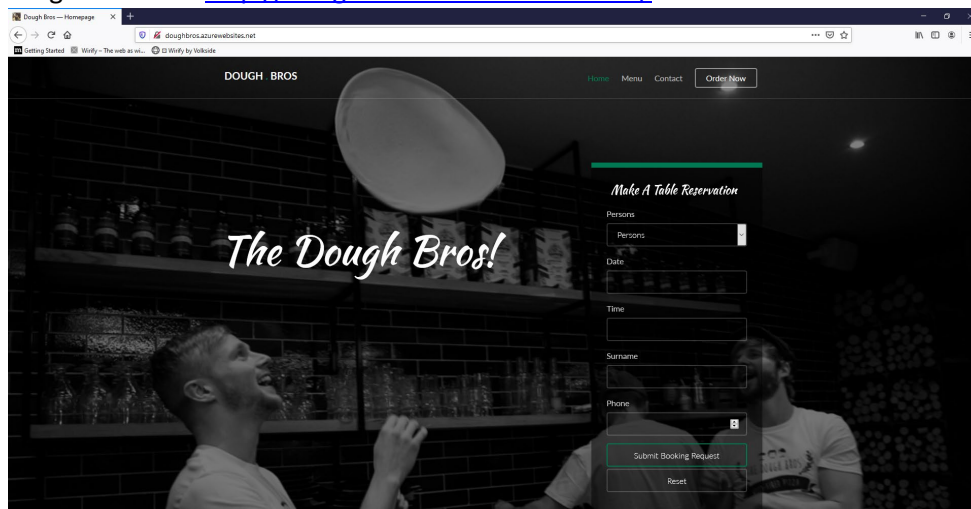
There is also a link to the video hosted on YouTube to give understanding of how the system works. This is accessible on the website's [About](#) page. Our intention is to keep this website hosted indefinitely.

To access the back-end management system:

1. Access it by clicking the link you received in the email or, visit <https://make.powerapps.com/> and click Apps.
2. You can use this APP to manage orders coming through from the website. You can create an order your own order on the website and manage it through to completion yourself from the APP.
3. Follow through and create an order as below.

Pizza Order System

1. Click the following link to visit <http://doughbros.azurewebsites.net/>



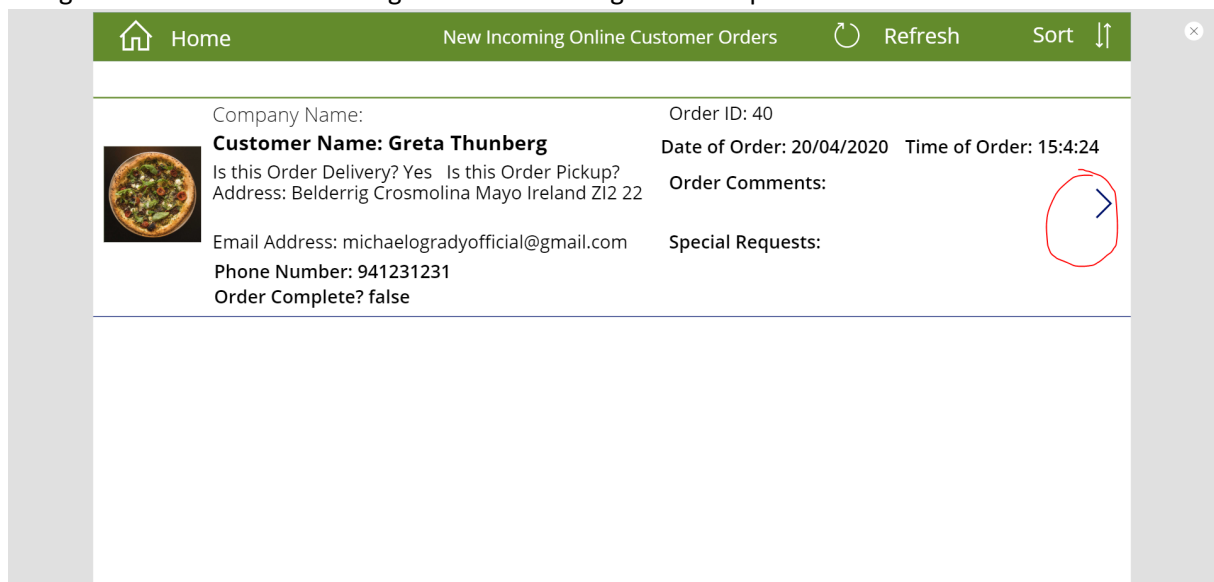
2. To order a pizza, scroll down the index page to the pizza order form and fill it out with your correct email address.



- Open the Doughbros Management APP to manage the order – a link to this will have been shared with you. Username and password is not required to access to the APP.



- (as a staff member you can now manage the system) Watch your order come in by clicking the New Incoming Orders button. Click the right arrow to manage the new pizza order.



- The information contained on Page 1 is designed for the Kitchen Staff to prepare the order items. Proceed by clicking the next page link.



6. The information contained on Page 2 is designed for the Till Operator to Manage the Order and the Delivery Driver to arrange delivery. Proceed by clicking the edit page link.

Customer Order Information		
CompanyName	FirstName	LastName
	Greta	Thunberg
Street	City	County
Belderrig	Crosmolina	Mayo
Country	ZIP	Phone
Ireland	Z12 22	941231231
Email	Pickup	PickupTime
michaelogradyofficial@gmail.com		
PickupDate	Comments	SpecialRequests
TimeOfOrder	DateOfOrder	Delivery
15:4:24	20/04/2020	Yes
Total	VAT	DeliveryCharge
€ 21.50	€ 4.94	€ 2.79
GrandTotal	OrderComplete	
€ 29.23	false	

7. The Till Operator manages the order and confirms all information is correct. Proceed by clicking next page until you reach the final page.

Online Customer Order

Merchandise: DoughBroShirtGreen [0], DoughBroSocks [0], Standard [1], Medium [0], Large [0]

Pizza Size: [0]

Dough Bro's Classic Branded Pizzas: HeyPesto [0], ThePeterStringer [0], HailCaesar [1], TheIrishMargherita [0], PoshPeperoni [0], HamMushroom [0], RicottaBeJokin [0], Supremo [0], WhizKaleLeafA [0]

Special Extra Toppings: GubenChorizo [0], SpicyChilli [1], LemonChicken [0], ChipotleMayo [0], Pineapple [0], Sweetcorn [0], HotHoney [0], SrirachaSauce [0], Mozzarella [0], TomatoSauce [0], Mushroom [0], ShavedGarlic [0]

Other Popular Pizza Favourites

Next Page >

8. Once the order is complete, the Till Operator toggles the Order Complete as Yes, and clicks the button Notify Customer.

Online Customer Order

Other Popular Pizza Favourites

CompanyName: [], FirstName: Greta, LastName: Thunberg, Street: Belderrig

City: Crosmolina, County: Mayo, Country: Ireland, ZIP: Z12 22

Phone: 941231231, Email: michaelogradyoffici, Pickup: [], Delivery: Yes

PickupDate: [], PickupTime: [], TimeOfOrder: 15:4:24, DateOfOrder: 20/04/2020

Total: € 21.50, VAT: € 4.94, DeliveryCharge: € 2.79, GrandTotal: € 29.23



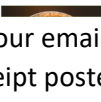
Comments: []

SpecialRequests: []

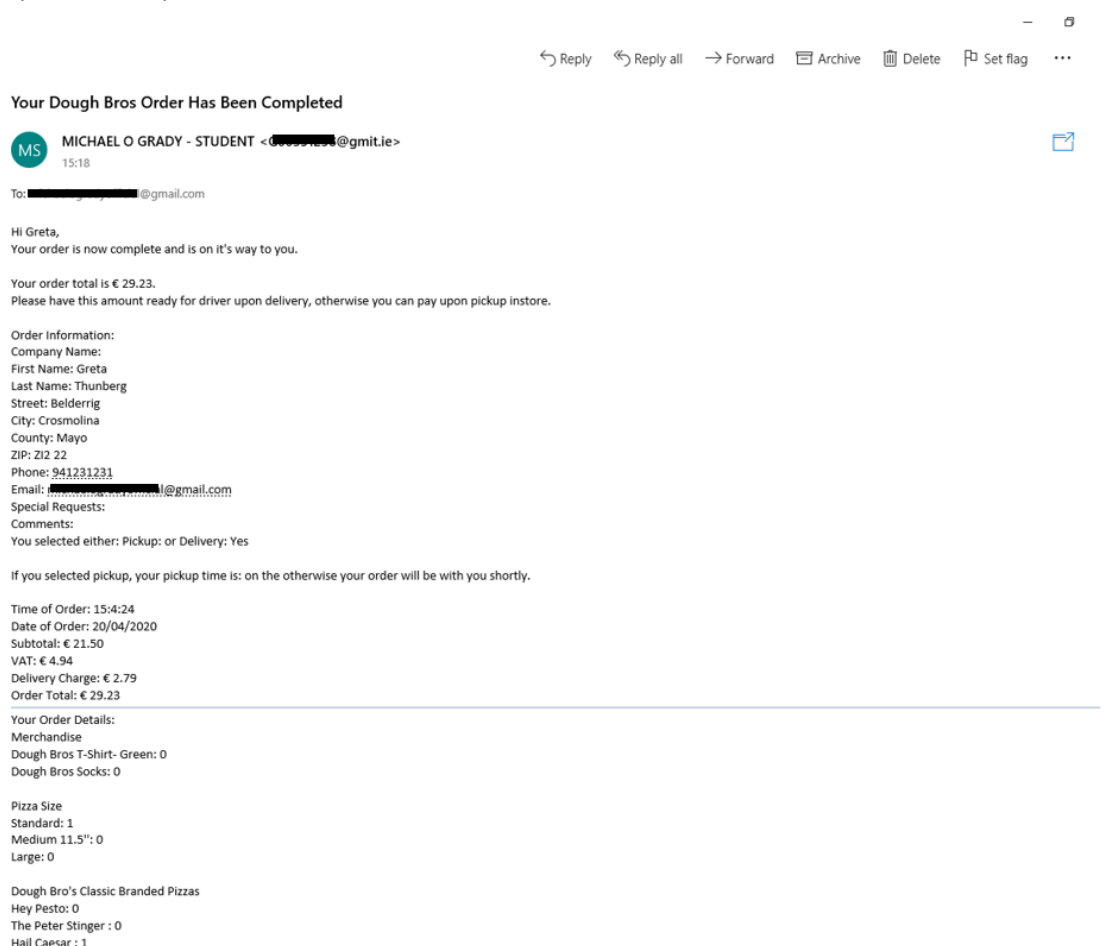
OrderComplete: ☐ No

Notify Customer

- An email notification has now been sent to the customer and the order is marked as complete. The order has now been moved from New Incoming Orders to Manage Existing/Historic Orders page as below.

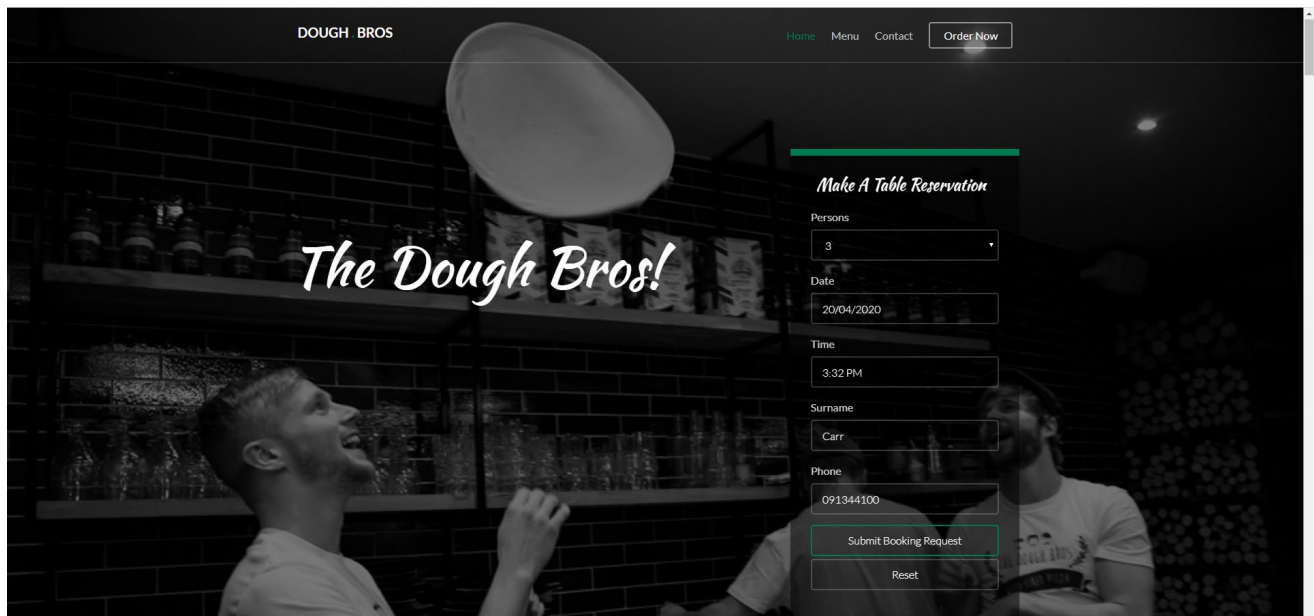
Home	Old Completed Historic Orders	Refresh	Sort
 <p>Company Name: Customer Name: Greta Thunberg Is this Order Delivery? Yes Is this Order Pickup? Address: Belderrig Crosmolina Mayo Ireland Z12 22 Email Address: michaelogradyofficial@gmail.com Phone Number: 941231231 Order Complete? true</p>	<p>Order ID: 40 Date of Order: 20/04/2020 Time of Order: 15:4:24 Order Comments: Special Requests:</p>		
 <p>Company Name: Customer Name: Michael O'Grady Is this Order Delivery? Yes Is this Order Pickup? Address: Street1 City1 County1 Country1 ZIP1 90J Email Address: g00351238@gmit.ie Phone Number: 871114444 Order Complete? true</p>	<p>Order ID: 39 Date of Order: 20/04/2020 Time of Order: 2:11:16 Order Comments: Special Requests: extra ketchup</p>		
 <p>Company Name: Customer Name: Eggs Benedict Is this Order Delivery? Yes Is this Order Pickup? Address: Street1 City1 County1 Country1 ZIP1 90J Email Address: g00351238@gmit.ie Phone Number: 871114444 Order Complete? true</p>	<p>Order ID: 38 Date of Order: 19/04/2020 Time of Order: 23:36:46</p>		

- Check your email (the email you used when submitting the order). You will now see the order confirmation and receipt posted to your email address notifying you when your order is ready for pickup or when to expect delivery.

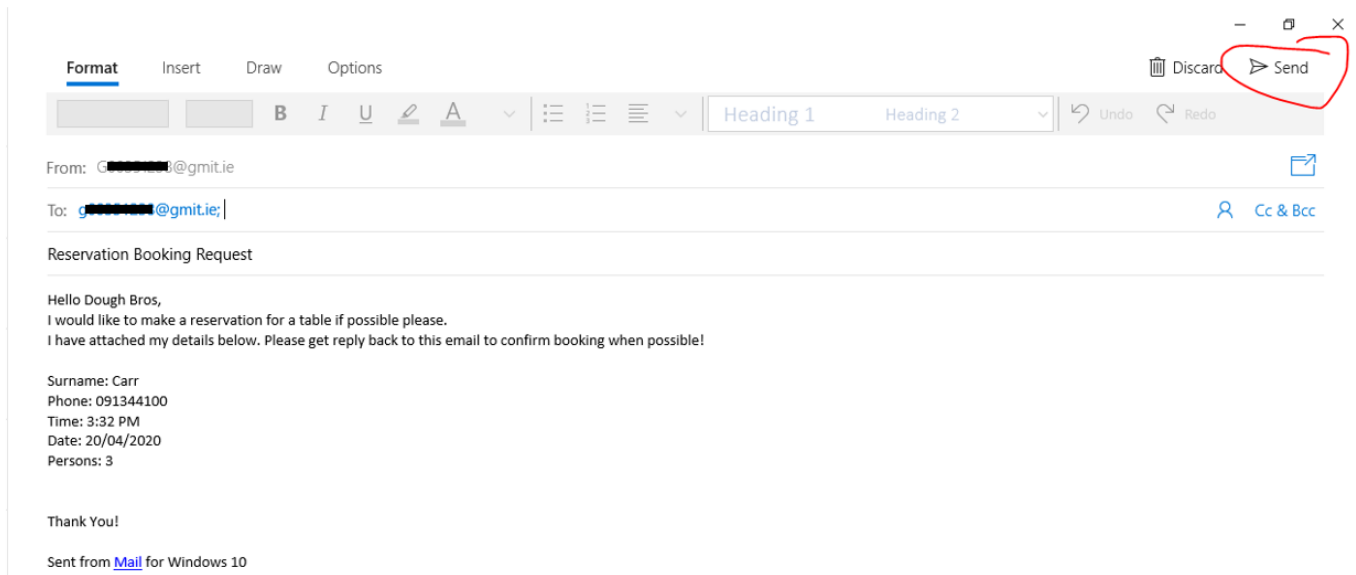


Make a Table Reservation at the Restaurant

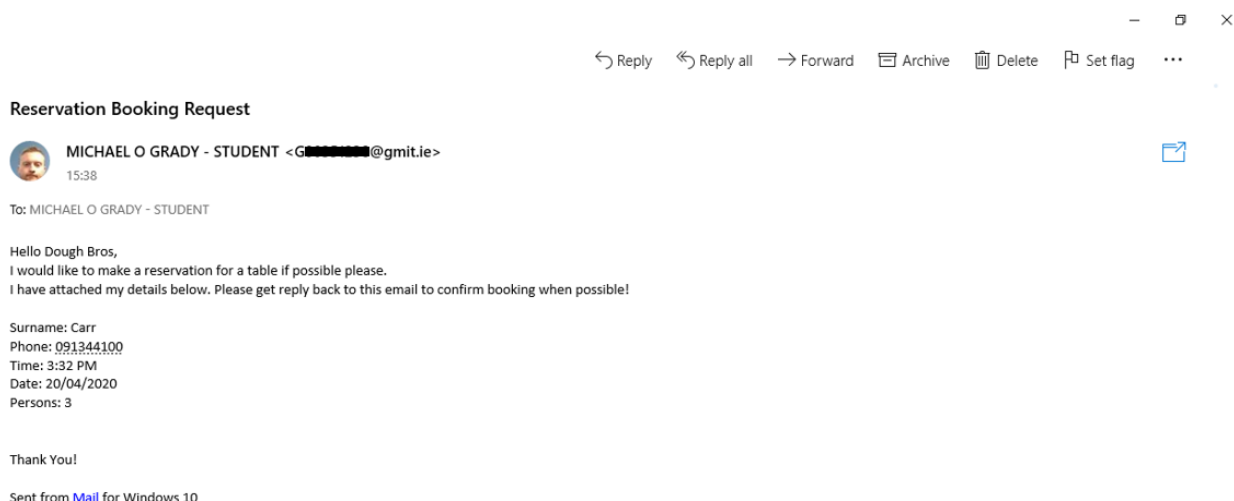
- To make a reservation for a table at the restaurant, fill up the JavaScript form and click the Submit Booking Request button. This will open the email application on your device.



2. An email will have populated on your email client. By clicking the send button the email will be sent to the email address specified in the JavaScript code on the website. You can overrule this to manage the reservation yourself. Change the TO: (to your email address) and send.



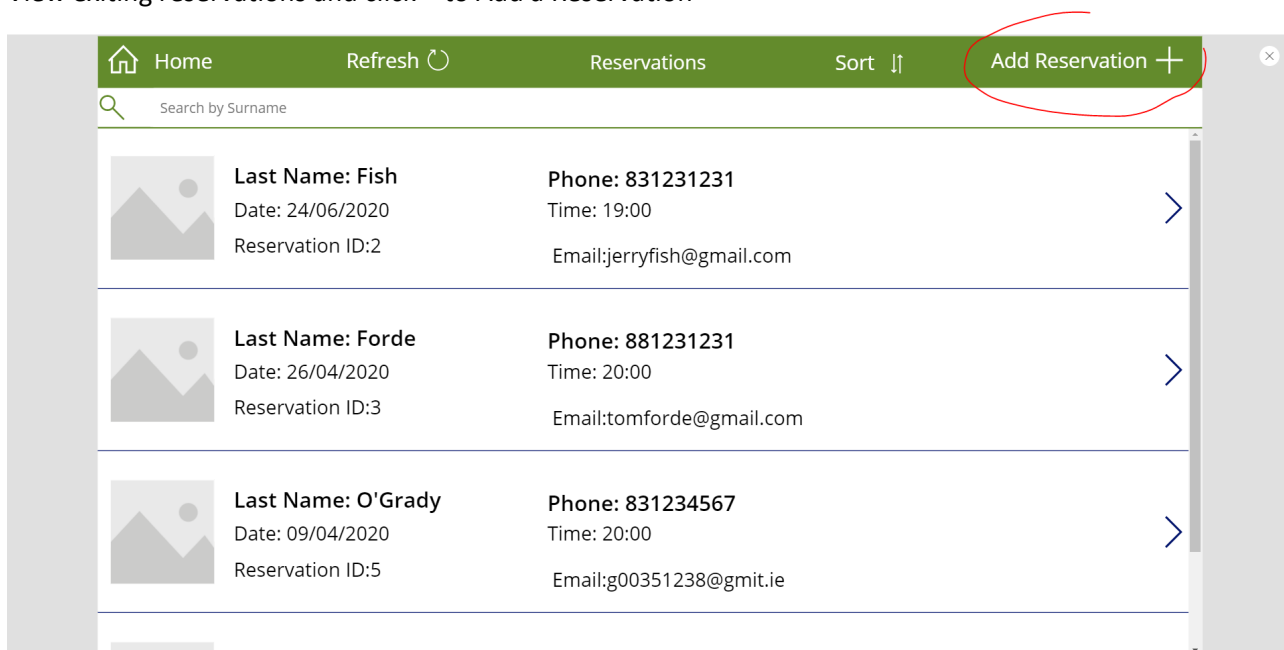
- You'll receive a reservation request (as a staff member of Doughbros). You can check your diary and reply back to the email should the date and time be unavailable, otherwise proceed to confirm the order as follows.



- Open the Reservations section of the APP



- View exiting reservations and click + to Add a Reservation



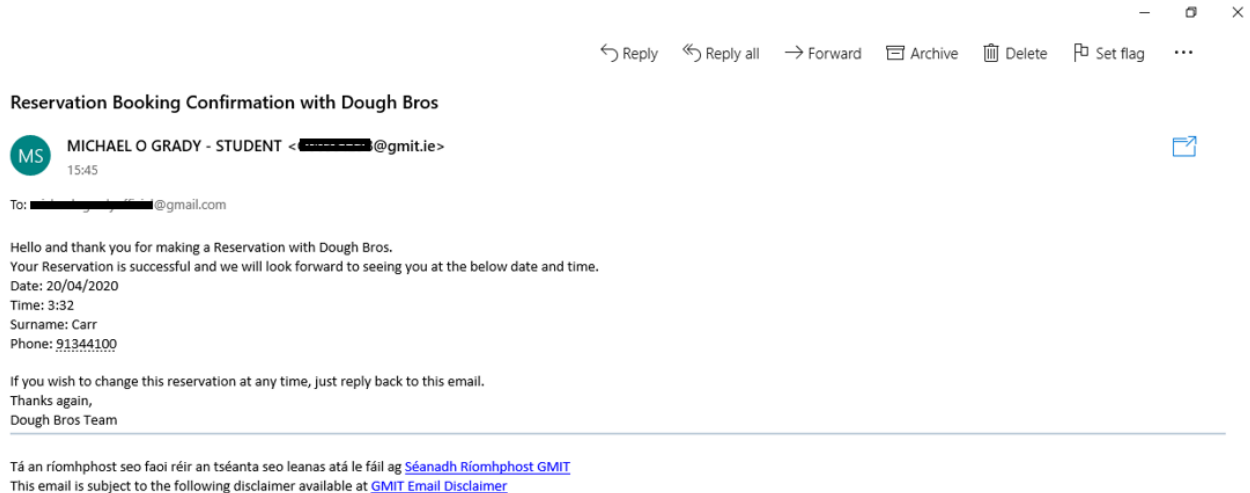
6. Enter the Reservation details from the customers email and click Send Email Confirmation to Customer button. Ensure your email is correct as notification will be sent.

Reservation form fields:

- ReservationID
- Date: 20/04/2020
- Time: 3:32
- Email: michaelogradyofficial@gmail.com
- * Phone: 091344100
- LastName: Carr

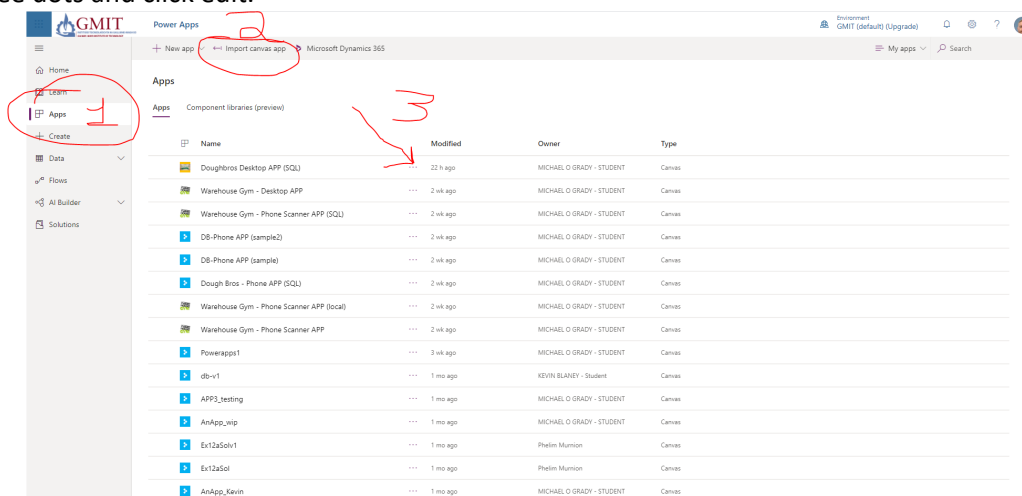
Buttons: Cancel, Back, Delete, Save, Send Email Confirmation to Customer

7. A prepopulated email is sent to the customer confirming their booking Reservation. Check your email.



To see how the Order Management System (APP) was created

1. Visit <https://make.powerapps.com/>
2. The APP should be already visible to you, just move to step 3, otherwise Import the PowerApp from the zip file we provided above.
3. Click the three dots and click edit.



Dough Bro's Cloud Schema

