

# Sprint Review: Management System (GotoGro-MRM) for Goto Grocery Inc.

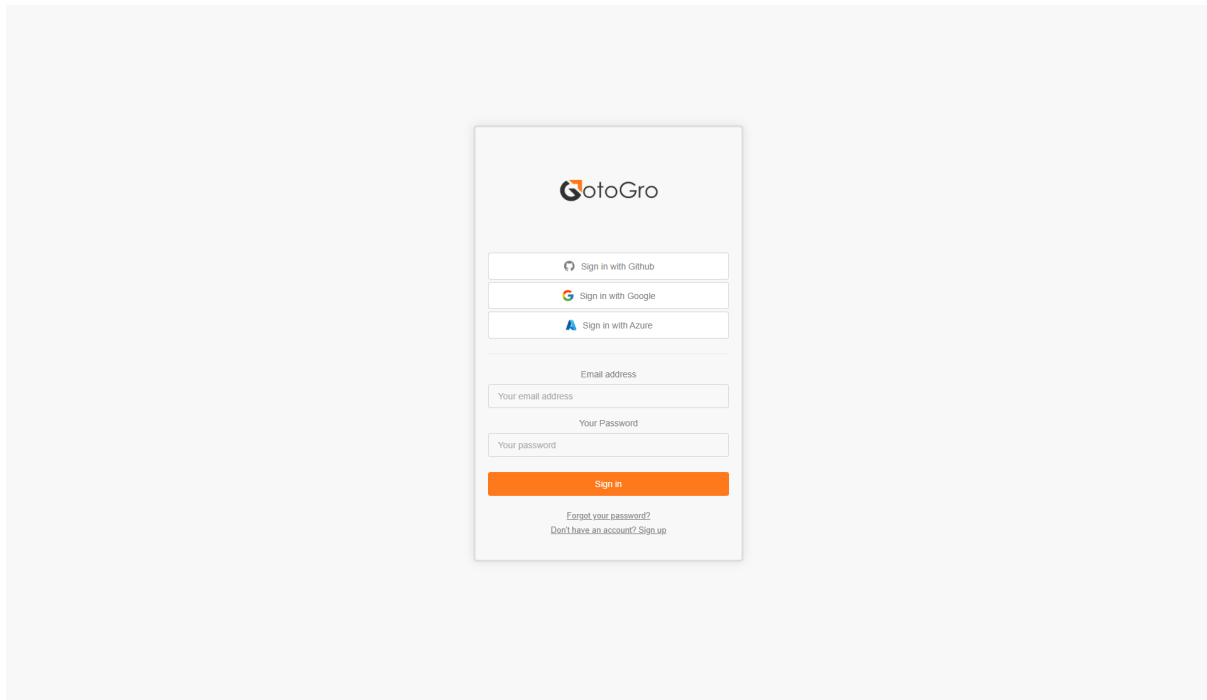
Team: MSP_CL4_T1	
Name	ID
<i>Enzo Peperkamp</i>	<i>102895415</i>
<i>Nelchael Kenshi Turija</i>	<i>103057559</i>
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<i>Marella Morad</i>	<i>103076428</i>
<i>Lachlan Martin</i>	<i>103067448</i>

# Sprint Review Completion Evidence:

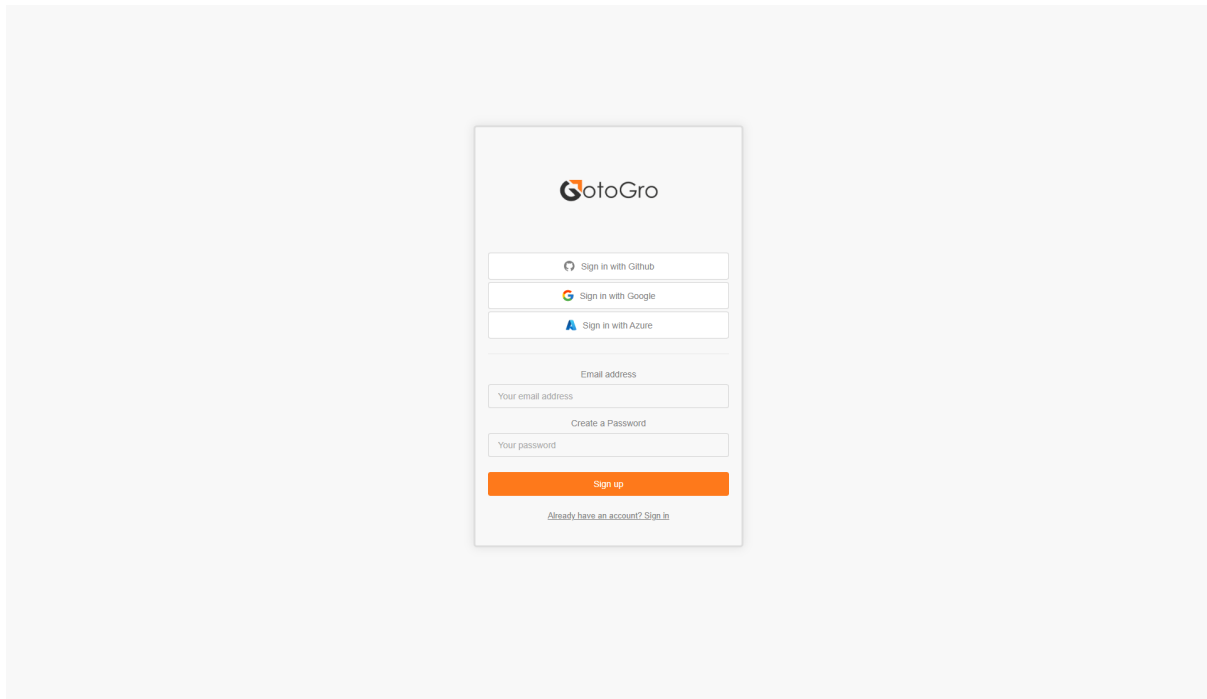
## [Link to GotoGro Live Website](#)

### Screenshots from various screens:

#### Sign In Page:

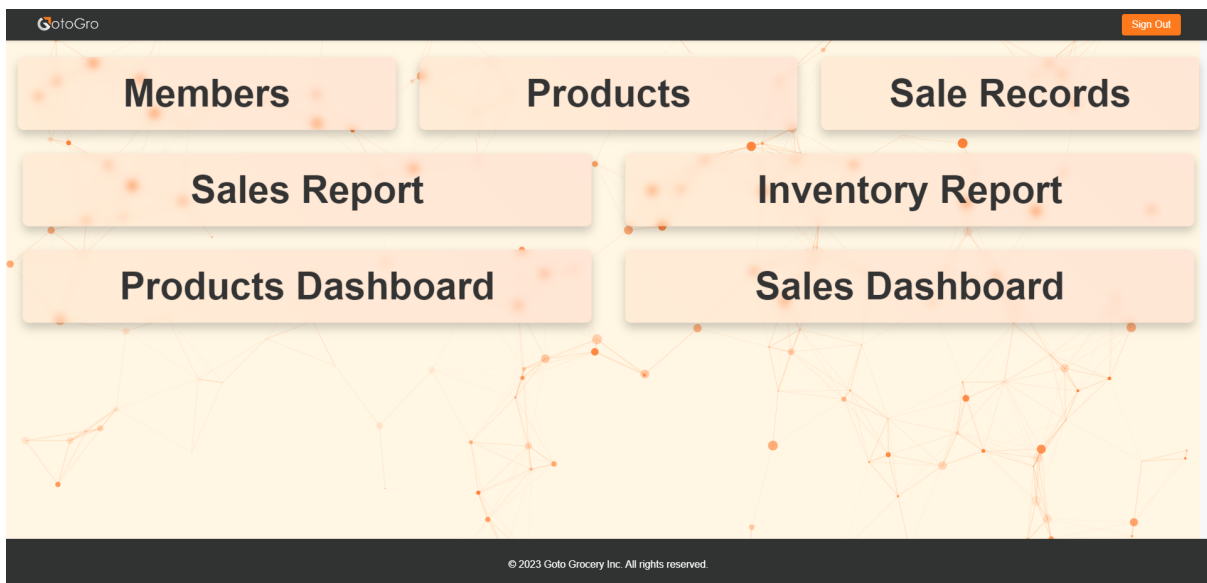


## Sign Up Page:



The Sign Up page for GotoGro features a central white card on a light gray background. At the top of the card is the GotoGro logo. Below the logo are three social login buttons: 'Sign in with Github', 'Sign in with Google', and 'Sign in with Azure'. Under these is a section for email and password creation. It includes a text input for 'Email address' with the placeholder 'Your email address', a 'Create a Password' label, and a text input for 'Your password'. An orange 'Sign up' button is positioned below the password field. At the bottom of the card, a link reads 'Already have an account? Sign in'.

## Home Page:



Members Home:

Includes Member Search, Adding a New Member, Editing, Deleting and Retrieving a Member.

GotoGro

Sign Out

Members Home

Search members...

Search

Clear

Add New Member

First Name	Last Name	Email	Date Joined	Action
Elijah	White	elijah.white@example.com	2023-10-06T01:56:33.871	<div>Retrieve</div>
Lily	Harris	lily.harris@example.com	2023-10-06T01:58:36.454	<div>Edit</div> <div>Delete</div>
Michael	Martin	michael.martin@example.com	2023-10-06T13:32:55.807	<div>Edit</div> <div>Delete</div>
Emily	Johnson	emily.johnson@example.com	2023-10-12T12:36:45.616	<div>Edit</div> <div>Delete</div>
Benjamin	Smith	benjamin.smith@example.com	2023-10-12T11:25:53.043	<div>Edit</div> <div>Delete</div>
Olivia	Williams	olivia.williams@example.com	2023-10-15T13:56:39.077	<div>Edit</div> <div>Delete</div>
Ava	Brown	ava.brown@example.com	2023-10-04T14:34:16.213	<div>Edit</div> <div>Delete</div>
Lucas	Davis	lucas.davis@example.com	2023-10-04T14:58:09.654	<div>Edit</div> <div>Delete</div>
Mia	Miller	mia.miller@example.com	2023-10-04T15:01:41.926	<div>Edit</div> <div>Delete</div>
William	Wilson	william.wilson@example.com	2023-10-04T15:03:27.999	<div>Edit</div> <div>Delete</div>

Edit Member (Validations):

GotoGro

Sign Out

Member Details

First Name:

Elijah

Last Name:

Required

Email:

elijah.white@example

Invalid Email

Date Joined:

2023-10-06T01:56:33.871

Save

Cancel

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GotoGro

Sign Out

Add Member

First Name:

Required

Last Name:

Required

Email:

Required

Date Joined:

Add Member

Cancel
















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Includes Product Search, Adding a New Product and a Preview of the products. Clicking on a Product takes the user to edit the product details.

[Sign Out](#)

### Products Home

[Search](#)
[Clear](#)
[Add New Product](#)

 <p><b>Duck</b></p> <p>Duck breast 500 gram</p> <p><b>\$ 100</b></p> <p>14 Left</p>	 <p><b>Compact Refrigerator</b></p> <p>Keep your beverages and snacks cold in this fridge</p> <p><b>\$ 99.99</b></p> <p>20 Left</p>	 <p><b>French Press Coffee Maker</b></p> <p>Brew rich and aromatic coffee with this press</p> <p><b>\$ 24.99</b></p> <p>40 Left</p>	 <p><b>External Hard Drive</b></p> <p>High-capacity external hard drive for data storage and backup</p> <p><b>\$ 524</b></p> <p>4 Left</p>	 <p><b>Laptop</b></p> <p>High performance laptop</p> <p><b>\$ 1000</b></p> <p>12 Left</p>
 <p><b>Tablet</b></p> <p>Slim and lightweight tablet with a large display</p> <p><b>\$ 450.25</b></p> <p>13 Left</p>	 <p><b>Fitness Tracker</b></p> <p>Advanced fitness tracker with heart rate monitoring and GPS</p> <p><b>\$ 9</b></p> <p>46 Left</p>	 <p><b>Digital Camera</b></p> <p>Professional-grade digital camera with 4K video recording</p> <p><b>\$ 88</b></p> <p>15 Left</p>	 <p><b>Gaming Console</b></p> <p>Next-generation gaming console with cutting-edge graphics</p> <p><b>\$ 761</b></p> <p>28 Left</p>	 <p><b>Bluetooth Headphones</b></p> <p>High-quality wireless headphones with noise cancellation</p> <p><b>\$ 120.5</b></p> <p>13 Left</p>
 <p><b>Wireless Keyboard and Mouse Combo</b></p> <p>Ergonomic wireless keyboard and mouse set for enhanced productivity</p> <p><b>\$ 380</b></p> <p>17 Left</p>	 <p><b>Stainless Steel Water Bottle</b></p> <p>Reusable and eco-friendly water bottle</p> <p><b>\$ 15.99</b></p> <p>70 Left</p>	 <p><b>Leather Wallet</b></p> <p>Stylish leather wallet with multiple card slots</p> <p><b>\$ 24.99</b></p> <p>80 Left</p>	 <p><b>Camping Tent</b></p> <p>2-person tent for outdoor adventures</p> <p><b>\$ 69.99</b></p> <p>15 Left</p>	 <p><b>Gaming Mouse</b></p> <p>High-precision gaming mouse with customizable buttons</p> <p><b>\$ 59.99</b></p> <p>50 Left</p>

Edit a Product:

GotoGro

Sign Out

Product Details

Image URL/Path:<sup>\*</sup>

https://archives.bulbagarden.

Product Name:<sup>\*</sup>

Duck

Description:<sup>\*</sup>


Duck breast 500 gram

Price:<sup>\*</sup>

100

Stock Level:<sup>\*</sup>

14



Duck

Duck breast 500 gram

\$ 100

14 Left

Save

Cancel

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Add Product (Validations):

GotoGro

Sign Out

Add Product

Image URL/Path:<sup>\*</sup>

Required

Product Name:<sup>\*</sup>

Required

Description:<sup>\*</sup>

Required

Price:<sup>\*</sup>

Required

Stock Level:<sup>\*</sup>

Required

Image Preview

Product Name

Description

\$ 0

0 Left

Save

Cancel

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Sale Records Home:

GotoGro

Sign Out

Sale Records Home

Search sale records by Sale ID

Search

Clear

Add New Sale Record

Sale ID	Member ID	Sale Date	Quantity	Total Amount	Action
504	52	2023-09-19	97	\$9700	<div>EditDelete</div>
505	8	2023-07-28	30	\$3000	<div>EditDelete</div>
506	14	2023-10-14	12	\$1200	<div>EditDelete</div>
507	17	2023-09-08	31	\$3100	<div>EditDelete</div>
508	62	2023-07-16	12	\$1200	<div>EditDelete</div>
509	35	2023-07-08	18	\$1800	<div>EditDelete</div>
510	28	2023-07-29	66	\$6600	<div>EditDelete</div>
511	29	2023-09-28	31	\$3100	<div>EditDelete</div>
512	50	2023-09-15	19	\$1900	<div>EditDelete</div>
513	32	2023-08-10	65	\$6500	<div>EditDelete</div>

Edit a Sale Record:

GotoGro

Sign Out

Sale Record Details

Member ID

Grace Hall (52)

Product ID

Duck (12)

Sale Date

19/09/2023

Quantity

97

Total Amount

\$9700

Save

Cancel

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Add a Sale Record:

GotoGro

Sign Out

Add Sale Record

Member ID:<sup>\*</sup>

Select a Member

Required

Product Name:<sup>\*</sup>

Select a Product

Required

Sale Date:<sup>\*</sup>

dd / mm / yyyy

Required

Quantity:<sup>\*</sup>

0

Total Amount:

\$0

Add Sale Record

Cancel

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Sales Reports Home:

GotoGro

Sign Out

Sales Report

Month:

Select...

Year:

Submit

Clear

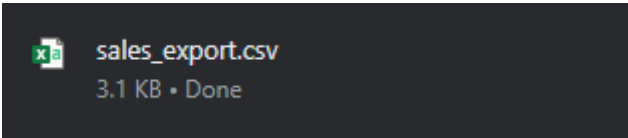
Export

Toggle Filter Menu

Reset Filters

Sale ID	Member ID	Product ID	Sale Date	Quantity	Total Amount
504	52	12	2023-09-19	97	9700
506	14	12	2023-10-14	12	1200
507	17	12	2023-09-08	31	3100
511	29	12	2023-09-28	31	3100
512	50	12	2023-09-15	19	1900
514	21	12	2023-09-29	3	300
515	20	12	2023-10-12	83	8300
516	33	12	2023-09-01	83	8300
518	12	12	2023-09-10	10	1000
523	51	12	2023-10-11	5	500
524	51	12	2023-09-26	24	2400
530	40	12	2023-08-25	32	3200

Export sales report:





Sample of the Exported CSV Report:

sale_id	member_id	product_id	sale_date	quantity	total_amount
504	52	12	19/09/2023	97	9700
506	14	12	14/10/2023	12	1200
507	17	12	8/09/2023	31	3100
511	29	12	28/09/2023	31	3100
512	50	12	15/09/2023	19	1900
514	21	12	29/09/2023	3	300
515	20	12	12/10/2023	83	8300
516	33	12	1/09/2023	83	8300
518	12	12	10/09/2023	10	1000
523	51	12	11/10/2023	5	500
524	51	12	26/09/2023	24	2400
530	40	12	25/08/2023	32	3200
534	36	12	4/09/2023	64	6400
538	3	12	30/09/2023	74	7400
539	50	12	4/09/2023	92	9200

Inventory reports home:

GotoGroSign Out

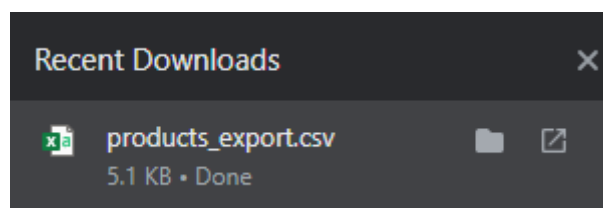
Inventory Report

Load InventoryExport

Toggle Filter MenuReset Filters

Product ID	Product Name	Description	Price	Stock Quantity
1	Laptop	High performance laptop	\$1000	12
2	Lumina Desk Lamp	Elegant desk lamp with adjustable brightness	\$29.99	30
3	Camping Tent	2-person tent for outdoor adventures	\$69.99	15
4	Bluetooth Headphones	High-quality wireless headphones with noise cancellation	\$120.5	13
5	Digital Camera	Professional-grade digital camera with 4K video recording	\$88	15
6	Tablet	Slim and lightweight tablet with a large display	\$450.25	13
7	Gaming Console	Next-generation gaming console with cutting-edge graphics	\$761	28
8	Wireless Keyboard and Mouse Combo	Ergonomic wireless keyboard and mouse set for enhanced productivity	\$380	17
9	Fitness Tracker	Advanced fitness tracker with heart rate monitoring and GPS	\$9	46
10	External Hard Drive	High-capacity external hard drive for data storage and backup	\$524	4
11	Electric Kettle	Boil water quickly with this electric kettle	\$19.99	60
12	Duck	Duck breast 500 gram	\$100	14
13	Classic Coffee Mug	Simple yet stylish ceramic coffee mug	\$7.99	120
14	Compact Refrigerator	Keep your beverages and snacks cold in this fridge	\$99.99	20
15	Adventure Backpack	Durable backpack for outdoor enthusiasts	\$39.99	60

Export Inventory report:



Sample of the Exported CSV Report:

product_id	product_name	description	price	stock_quantity
1	Laptop	High performance laptop	1000	12
2	Lumina Desk Lamp	Elegant desk lamp with adjustable brightness	29.99	30
3	Camping Tent	2-person tent for outdoor adventures	69.99	15
4	Bluetooth Headphones	High-quality wireless headphones with noise cancellation	120.5	13
5	Digital Camera	Professional-grade digital camera with 4K video recording	88	15
6	Tablet	Slim and lightweight tablet with a large display	450.25	13
7	Gaming Console	Next-generation gaming console with cutting-edge graphics	761	28
8	Wireless Keyboard and Mouse Combo	Ergonomic wireless keyboard and mouse set for enhanced productivity	380	17
9	Fitness Tracker	Advanced fitness tracker with heart rate monitoring and GPS	9	46
10	External Hard Drive	High-capacity external hard drive for data storage and backup	524	4
11	Electric Kettle	Boil water quickly with this electric kettle	19.99	60
12	Duck	Duck breast 500 gram	100	14
13	Classic Coffee Mug	Simple yet stylish ceramic coffee mug	7.99	120
14	Compact Refrigerator	Keep your beverages and snacks cold in this fridge	99.99	20
15	Adventure Backpack	Durable backpack for outdoor enthusiasts	39.99	60
16	Electric Toothbrush	Keep your teeth clean with this electric toothbrush	39.99	45
17	Portable Blender	Blend your favorite smoothies on the go	34.99	45
18	Smart Home Thermostat	Control your home temperature with your phone	89.99	25
19	Fitness Tracker 3	Track your health and fitness with this device	49.99	55

Edit Product (From Inventory Report):

Edit Product

Product Id

1

Product Name

Laptop

Description

High performance laptop

Price

1000

Stock Quantity

12

Image

https://i.ebayimg.com/images/g/IWAAAOSwriVkrBJJ/

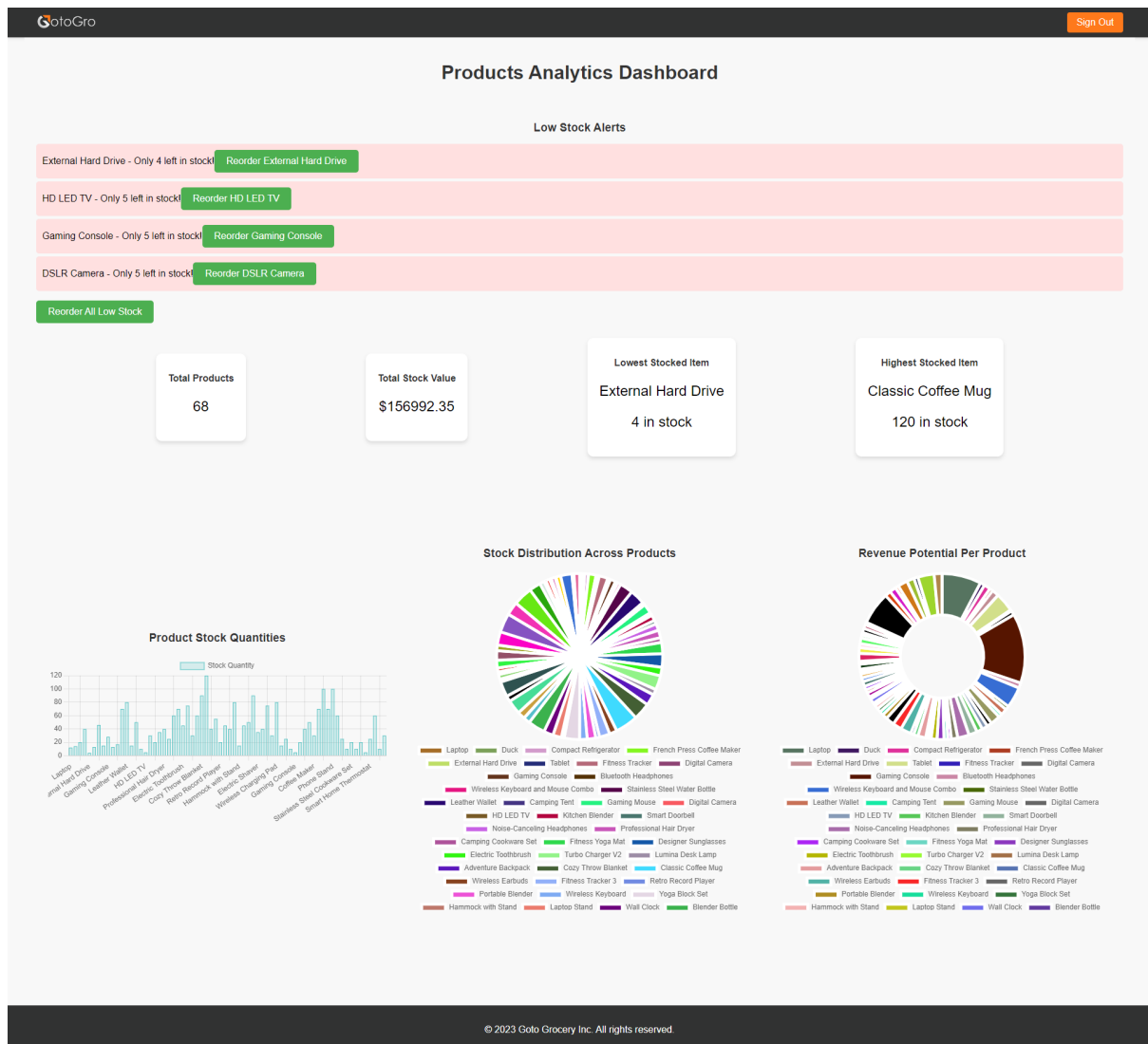
Deleted

true

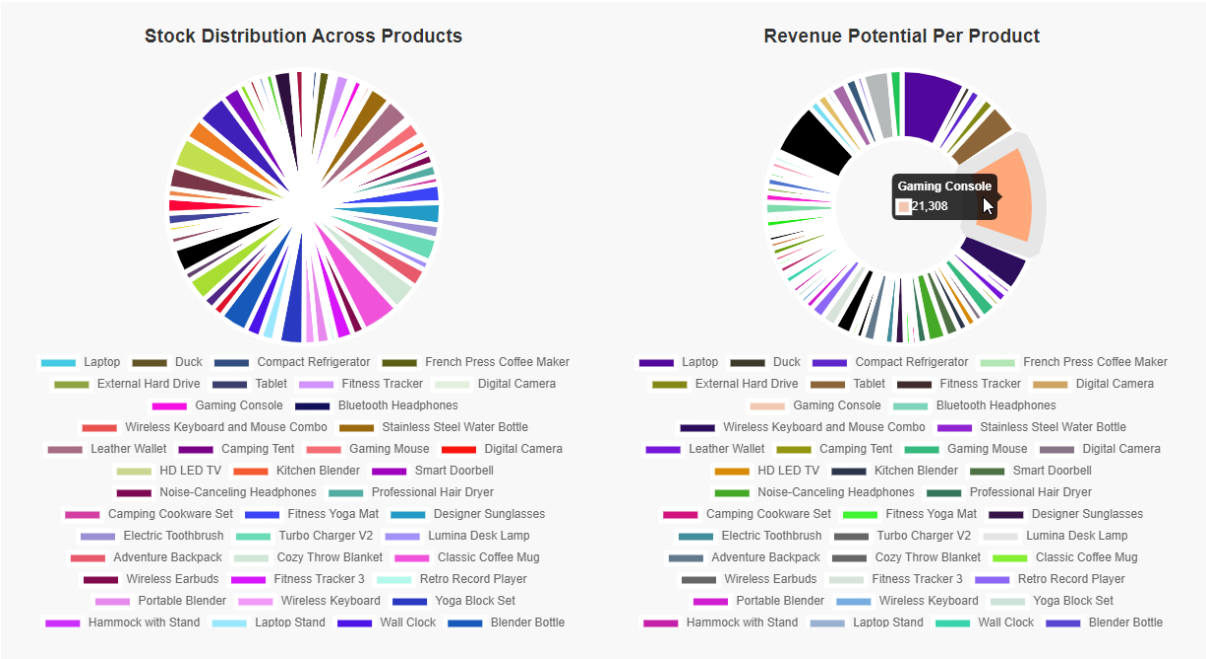
Save

Cancel

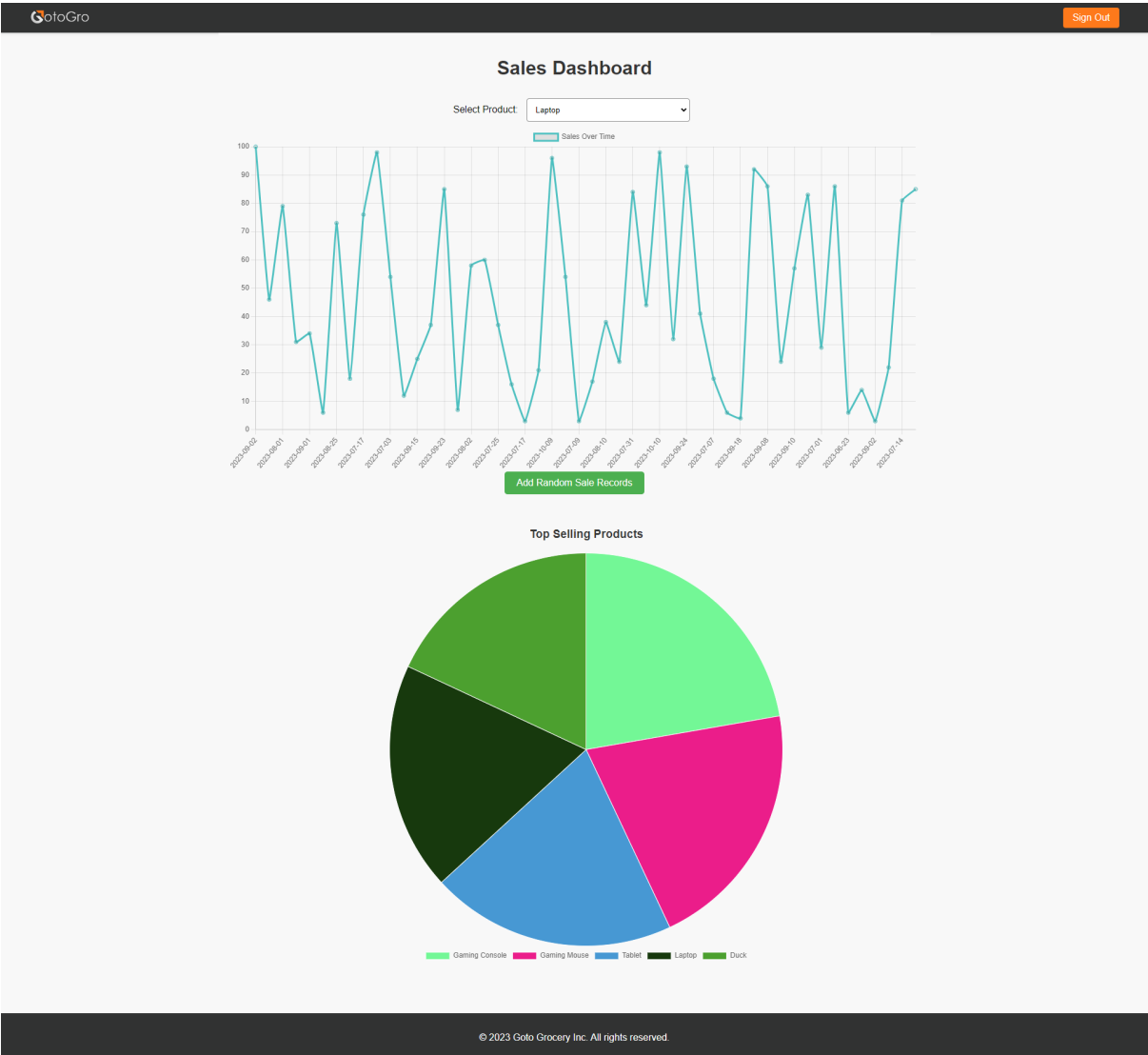
## Product Analytics dashboard:



Responsive graphs:



Sales Analytics dashboard (with dynamic graph):



# Sprint Review Meeting Minutes

**Date:16/10/2023**

The meeting commenced with Alex's discussion of the goals that were set out to complete during Sprint 2. The primary goals included making the user interface cleaner, more robust, addressing bug fixes, and enhancing core functionality for Goto Grocery's employees.

The Jira board was then shown, and all except one backlog item was shown as being complete.

The backlog item that wasn't addressed as complete was to "Create a prediction algorithm (F16)". This was discussed by Alex as a non-specific scoped item, which leads to a discussion between him and the stakeholder on its broad nature. Marella has stated that this item feels more like an "epic" rather than a backlog item, which the stakeholder has agreed upon.

Suggestion by the stakeholder: Define a clear criteria and a definition of done for this backlog item and to put this backlog item back for Sprint 3.

The burndown charts are then shown and Enzo has reported that it's perfect in comparison to the estimated and actual effort it took to complete the backlog items for Sprint 2. The reason why it's not showing perfectly is due to the burndown chart not showing the transition from "in progress" to "testing" until a task is completed. It was also discussed that some backlog items have had their story points changed.

The team then discussed their estimation techniques, where Marella has discussed that analogy-based estimation techniques were particularly helpful, as the team has mentioned that leveraging the team's experience from Sprint 1 to Sprint 2 was really helpful, as backlog items found in Sprint 1 are similar to backlog items in Sprint 2. Marella then discussed the utilisation of WBS during sprint 1 which helped with the initial estimation of hours to be spent for tasks.

Lachlan then proceeded with testing demos and presented test cases. Lachlan then introduced a fully automated testing framework that worked perfectly when hosted locally, but faced difficulties when the framework was being utilised through the hosted website. The team observed that the execution of all tests and discussed how easy it was to use the automated testing features.

The stakeholder then posed a question in regards to testing: How difficult was it to use and implement?

Lachlan answered that the entire framework was easy to use. There are two different versions of Selenium, and Lachlan utilised the IDE version because it's easier to setup. It's a lot more limited compared to the other version, but with this software project, the IDE is more than sufficient. He also mentioned that the software is easier to test locally compared to on the website as it is faster.

Lachlan then proceeded to show the dashboards created during sprint 2. Alex explains that he's happy with how it shows analytical data for non-technical users who don't want to see raw data.

The stakeholder then asks if the graphs found within the dashboard are based on real data.

The team then showed that it does use real data, as the graphs show test data that was just made during the demonstration.

The team then demonstrated the fuzzy search functionality, which can search through the description or the product name instead.

The product owner then provided future sprint suggestions to be done:

1. Adding a prediction algorithm for future sprints.
2. Customization of dashboards such as custom colours for specific products, or the ability to change how the dashboard looks so that users can have their own custom dashboards so they know what to expect.

The stakeholder then provided future sprint suggestions:

1. Consistency in colour palettes within pages
2. Consistency in button placements within pages
3. Editing functions to be easily accessible within rows, instead of having a button that leads to another page
4. The idea of having a long reports to be separated into pages
5. The idea of having the search filters found at the top of the page instead of the bottom of the page.

Action Items for the next sprint

1. Definition of done, or a clear criteria for the user prediction algorithm backlog item for the next sprint
2. Address issues related to consistency in design, button placement, and color schemes
3. Explore improvements in paging for long lists and filtering and sorting options.
4. Continue working on the automated testing framework's for future sprints