



FULL STACK E-COMMERCE PROJECT

BATCH 5

Guided by:

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Mr.Harsha

Project Members:

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Tools used:

Front-end:

- Angular 11 using VS code
- Okta Developer

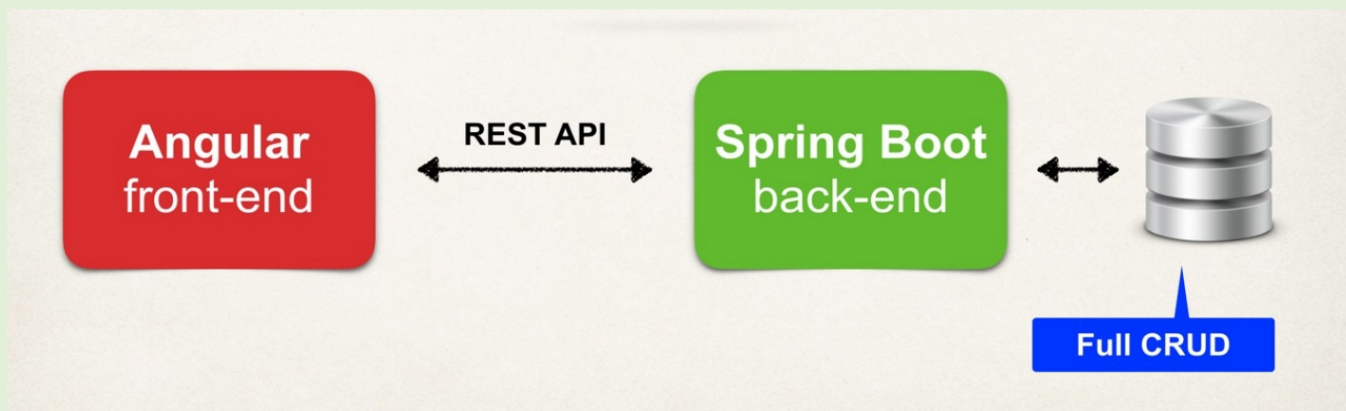
Back-end:

- Java 8 and Spring Boot using STS 4.9

Database:

- MySQL 8.0 using Workbench

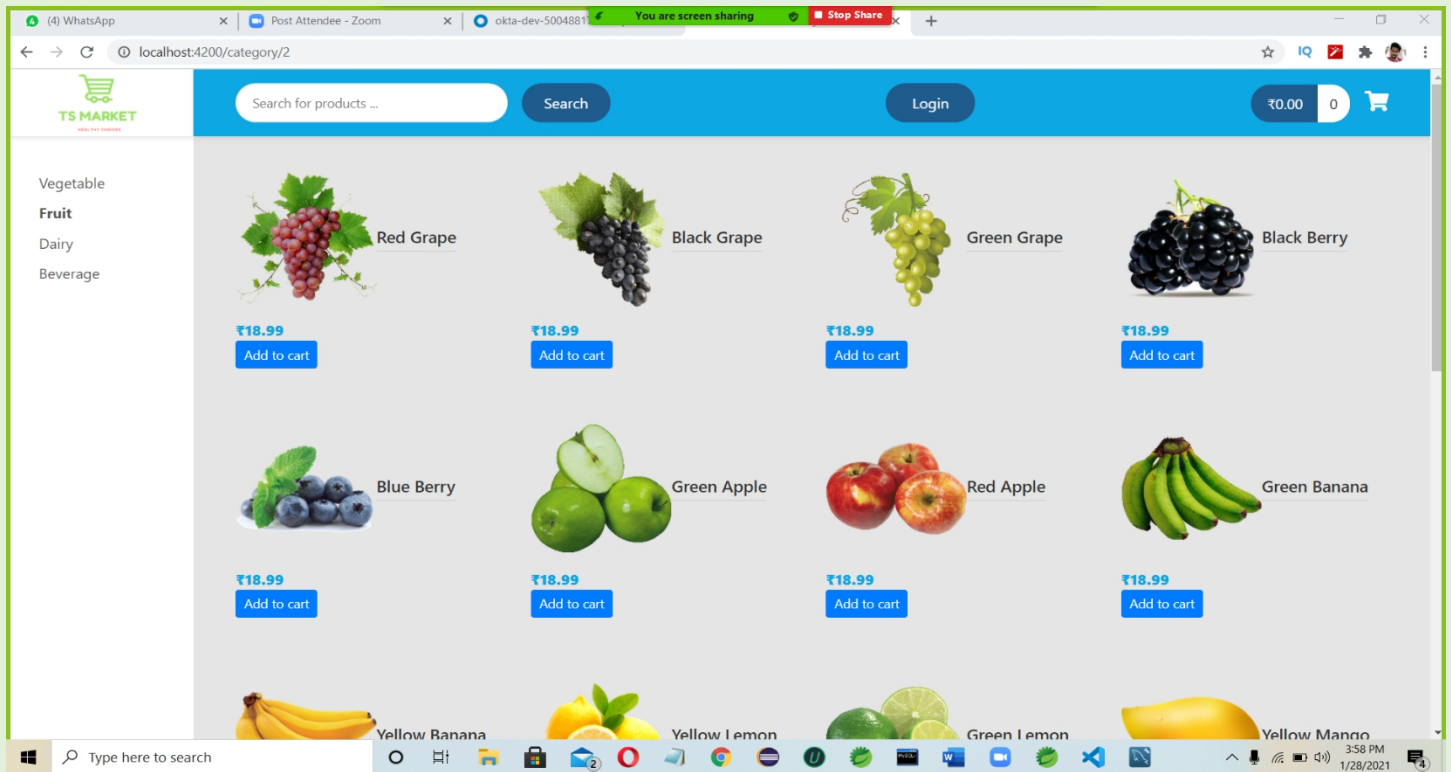
Full Stack



Requirements:

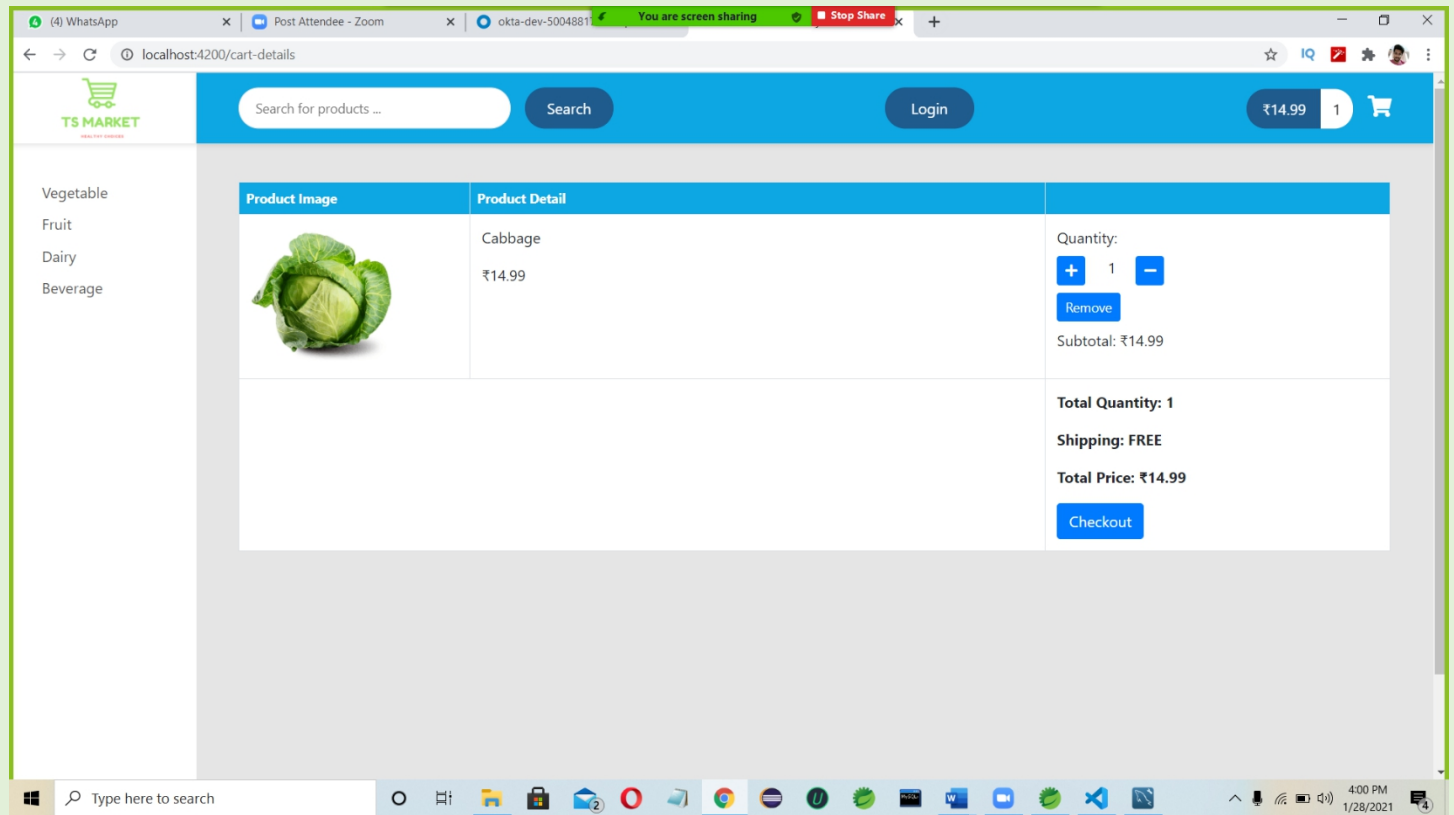
- Show a list of products
- Add Products to shopping cart (CRUD)
- Shopping cart checkout
- User Registration & Login/Logout using Okta Developer
- Track previous orders for logged in users

Showing list of products:



Description: This is the home page of our project with pagination support, search by keyword and filtering by product categories.

Add Products to shopping cart (CRUD):



Description: This is the Cart-page with **CRUD** (Create, Read, Update and Delete) support.

Shopping cart checkout:

The screenshot shows a web browser window with the URL `localhost:4200/checkout`. The page features a blue header with the TS Market logo, a search bar, a 'Search' button, a 'Login' button, and a shopping cart icon showing a total of ₹14.99 and 1 item. On the left, a sidebar lists product categories: Vegetable, Fruit, Dairy, and Beverage. The main content area is divided into two sections: 'Customer' and 'Shipping Address'. The 'Customer' section contains three input fields for 'First Name', 'Last Name', and 'Email'. The 'Shipping Address' section contains four input fields: 'Country' (a dropdown menu), 'Street', 'City', and 'State' (a dropdown menu). The Windows taskbar at the bottom shows the time as 4:01 PM on 1/28/2021.

Search for products ... Search Login ₹14.99 1

Vegetable
Fruit
Dairy
Beverage

Customer

First Name
Last Name
Email

Shipping Address

Country
Street
City
State

This screenshot shows the same checkout page as the previous one, but with the 'Credit Card' section visible. The 'Credit Card' section includes input fields for 'Card Type' (dropdown), 'Name on Card', 'Card Number', 'Security Code', 'Expiration Month' (dropdown with '1' selected), and 'Expiration Year' (dropdown with '2021' selected). Below this is the 'Review Your Order' section, which displays the following information: 'Total Quantity: 1', 'Shipping: FREE', and 'Total Price: ₹14.99'. The rest of the page layout, including the header, sidebar, and taskbar, remains identical to the previous screenshot.

Search for products ... Search Login ₹14.99 1

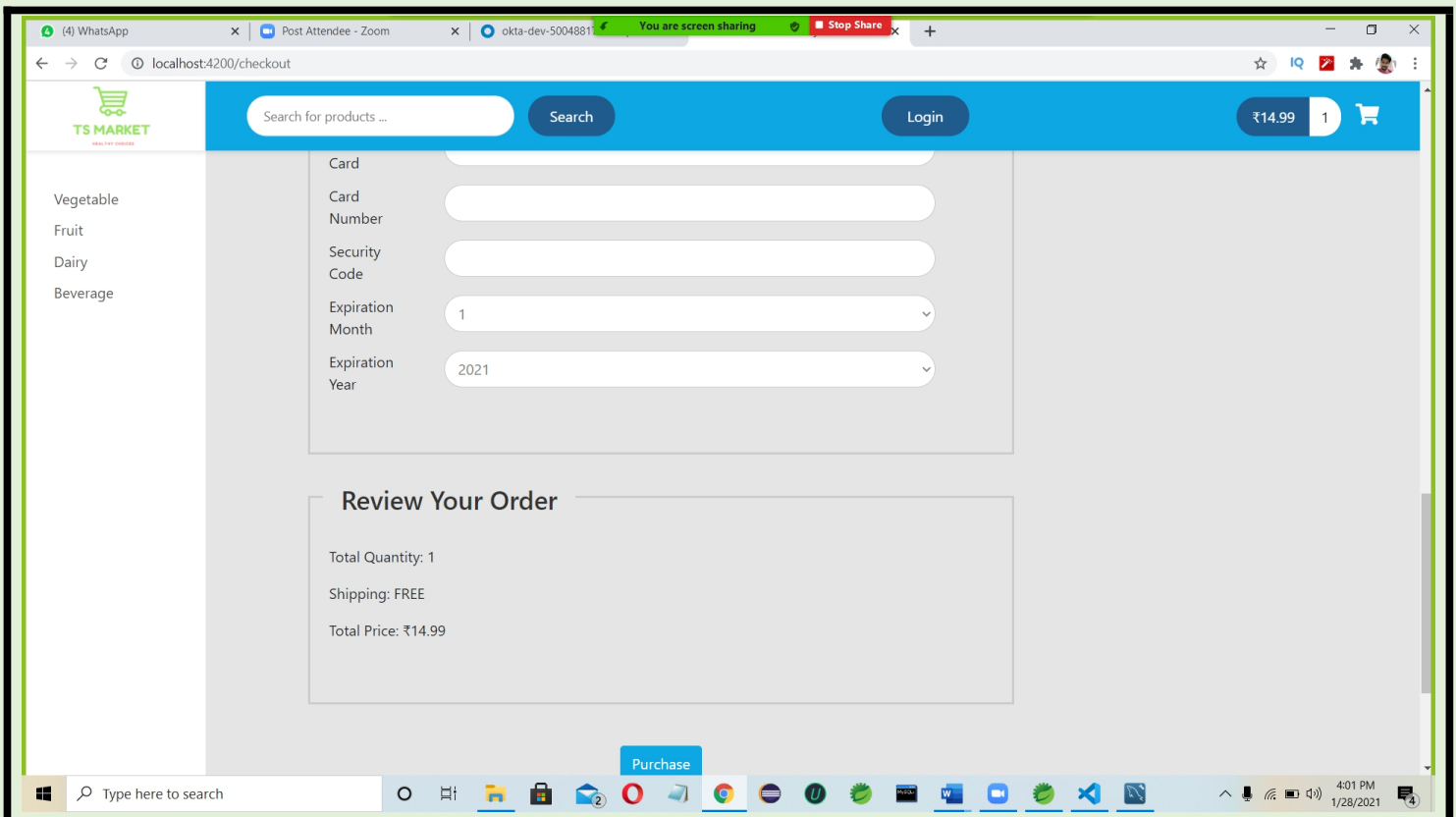
Vegetable
Fruit
Dairy
Beverage

Credit Card

Card Type
Name on Card
Card Number
Security Code
Expiration Month
Expiration Year

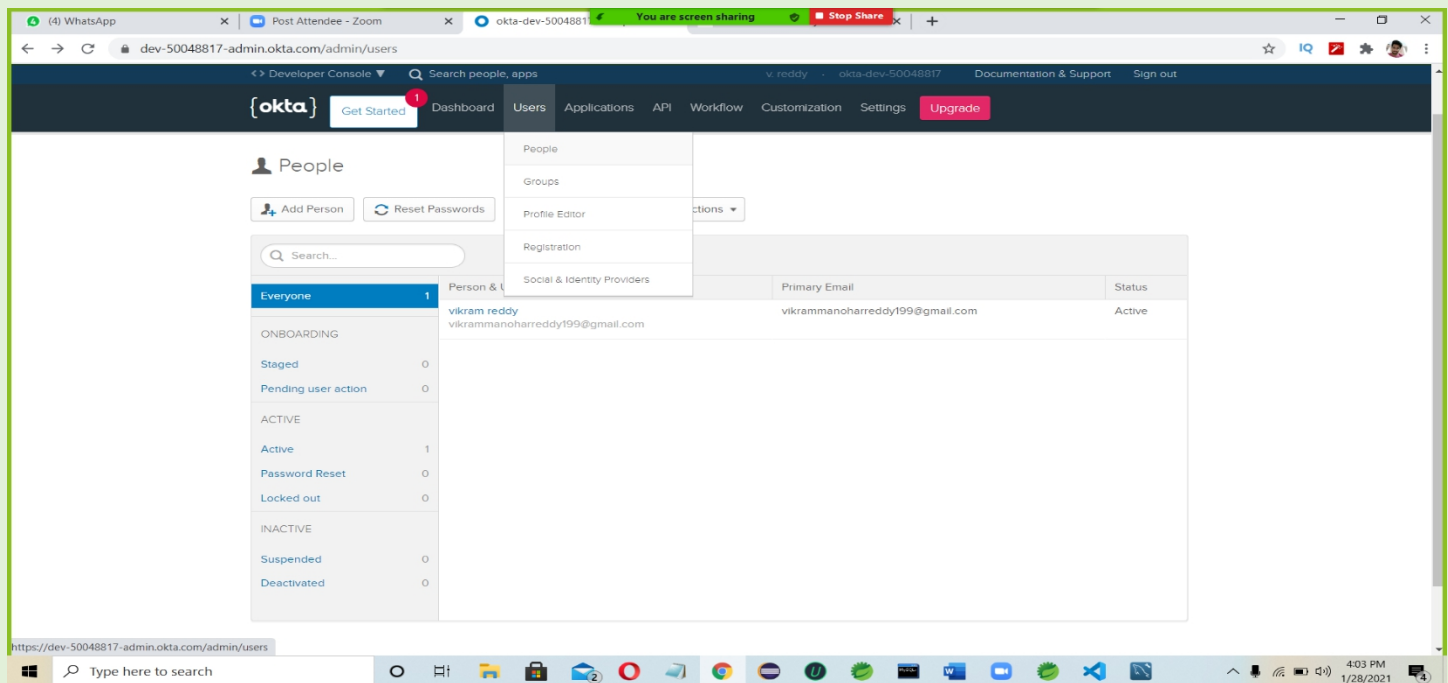
Review Your Order

Total Quantity: 1
Shipping: FREE
Total Price: ₹14.99



Description: This is check-out page of our project where customer(s) has to add his/her Billing address and Shipping address with their credit-card details to confirm his/her purchase successfully.

Okta Developer:



Okta

- Okta.com provides a cloud based authorization server + platform

Authentication

- Login widgets
- Social login
- ...

Authorization

- Role-based access
- API access policies
- ...

User Management

- Admin panel
- Policy assignment
- ...

- Supports industry standards: OAuth 2, OpenID Connect, JWT ...

Free Developer Account

- No credit card required
- Supports 1,000 users

Description: Okta is a secure identity cloud that links all your apps, logins and devices into a unified digital fabric. With Okta, you're up and running on day one, with every app and program You use to work, instantly available. Whether you are at your desktop or on the go, Okta seamlessly connects you to everything you need.

User Registration & Login/Logout using Okta Developer:

The screenshot shows a web browser window with the URL `localhost:4200/login`. The application header is blue with the 'TS MARKET' logo on the left, a search bar in the center, and a 'Login' button on the right. A shopping cart icon shows a total of ₹14.99 and 1 item. On the left sidebar, there are category links: Vegetable, Fruit, Dairy, and Beverage. The main content area displays a 'Sign In' form with the following fields and elements:

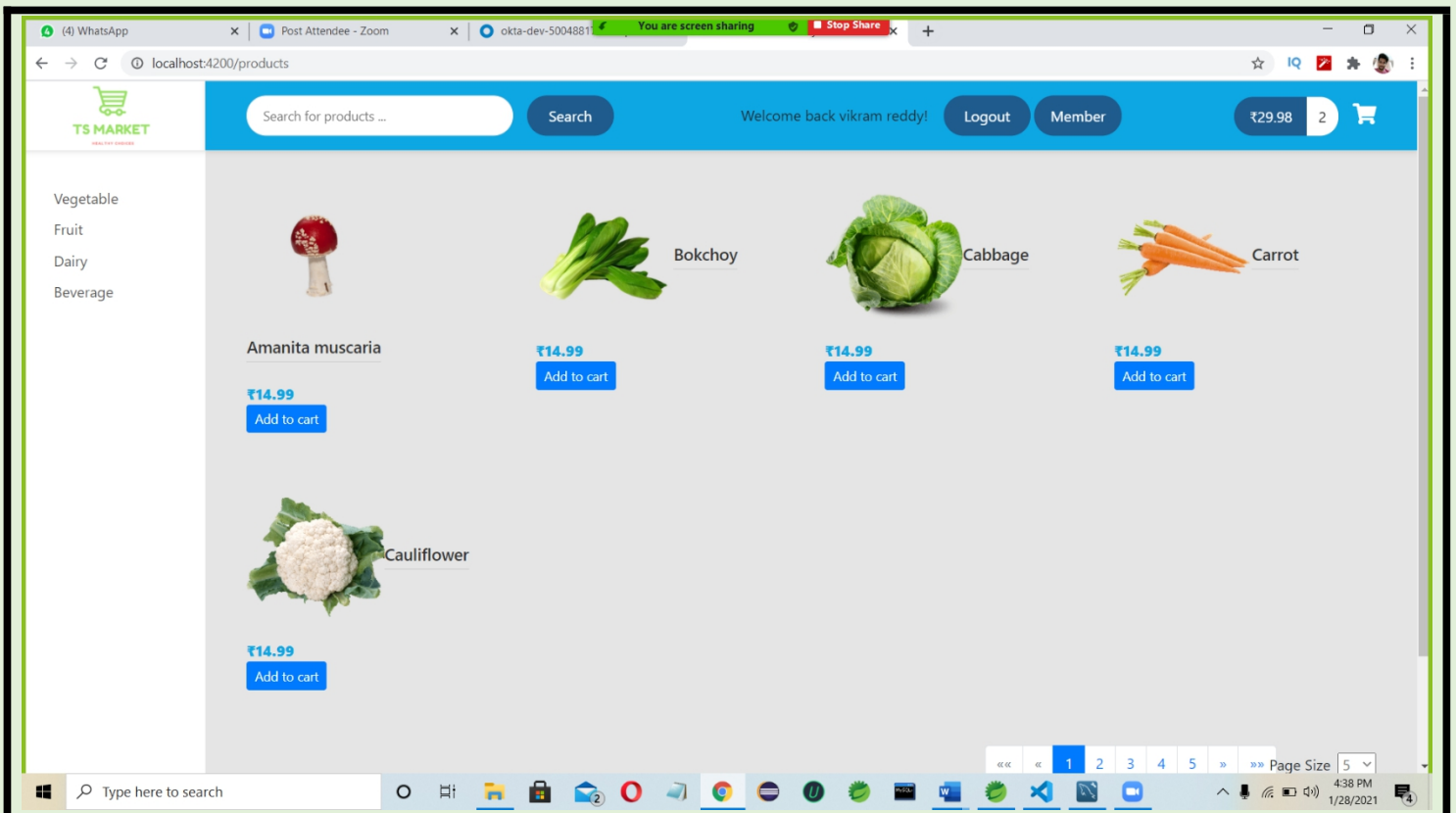
- Username**: A text input field with a red error message below it: 'Please enter a username'.
- Password**: A password input field with a red error message below it: 'Please enter a password'.
- Remember me**: A checkbox labeled 'Remember me'.
- Sign In**: A blue button.
- Need help signing in?**: A link.
- Don't have an account? Sign up**: A link.

The Windows taskbar at the bottom shows the time as 4:05 PM on 1/28/2021.

The screenshot shows the same web browser window, but the main content area displays a 'Create Account' form with the following fields and elements:

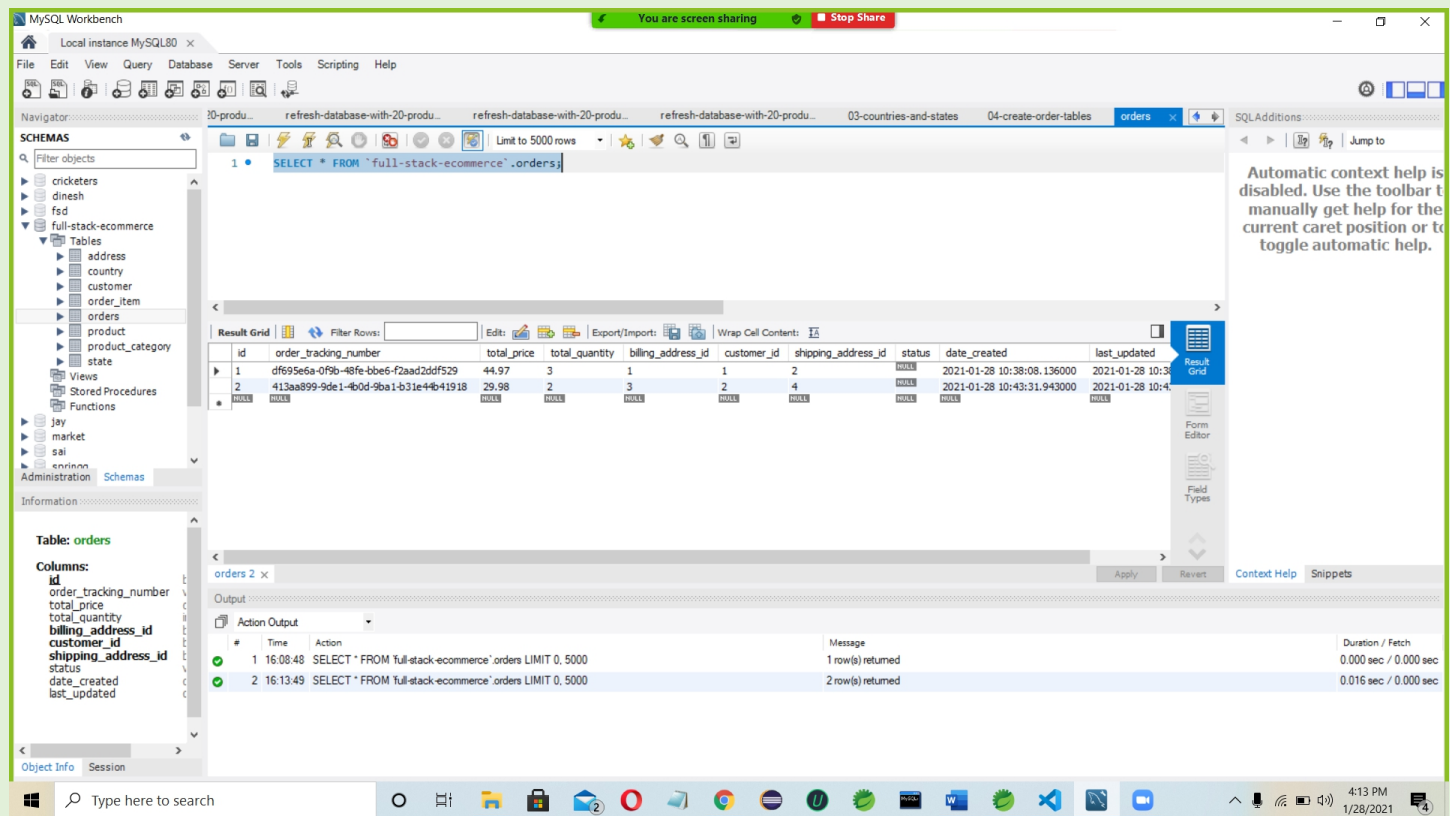
- Email ***: A text input field with a red error message below it: 'This field cannot be left blank'.
- Password ***: A password input field with a red error message below it: 'This field cannot be left blank'.
- First name ***: A text input field.
- Last name ***: A text input field.
- * Indicates required field**: A note.
- Register**: A blue button.
- Back to Sign In**: A link.

The Windows taskbar at the bottom shows the time as 4:05 PM on 1/28/2021.



Description: Using the Okta widget in our project user(s) can register/login using his/her personal credentials.

Track previous orders for logged in users:



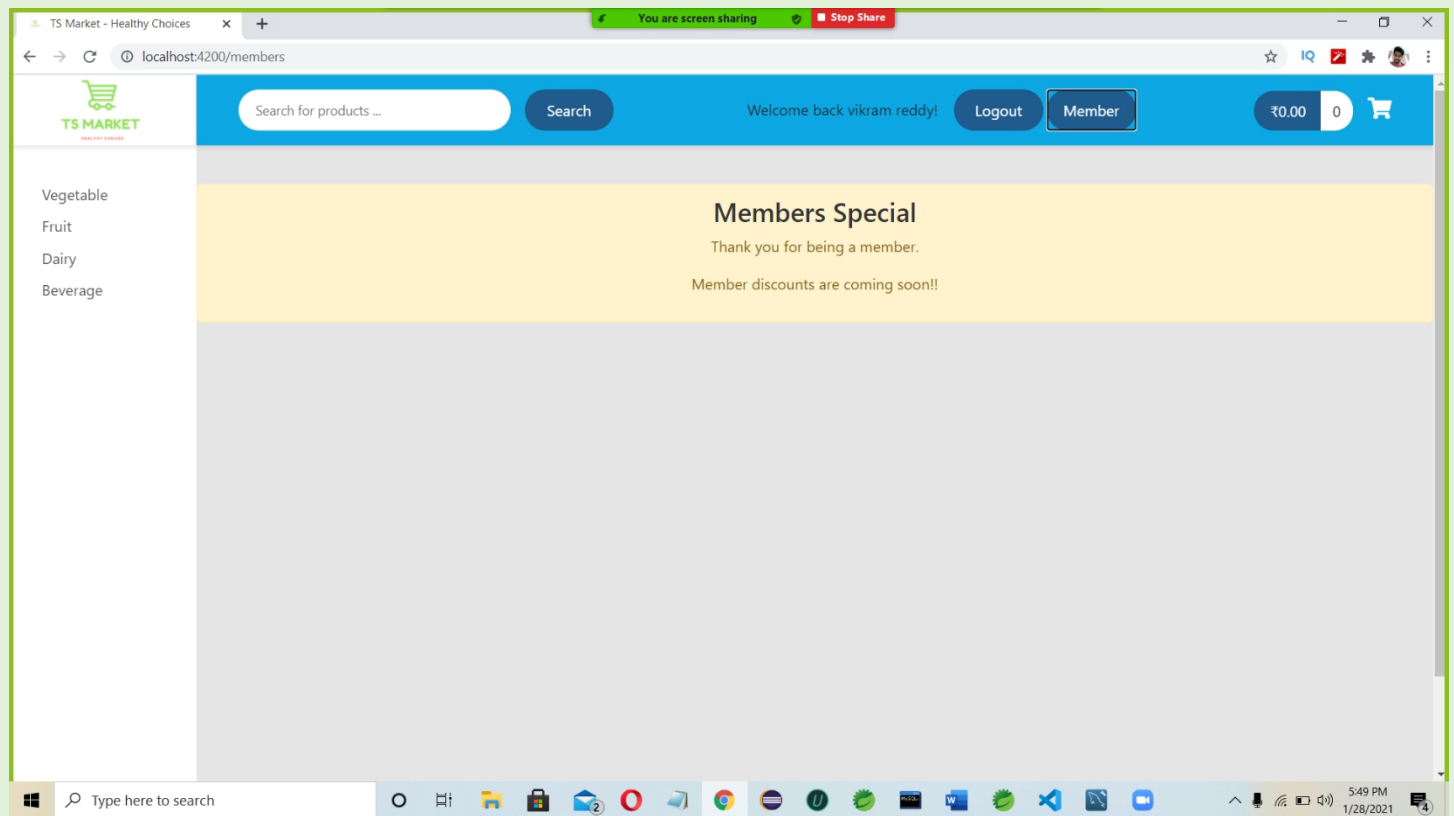
The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'full-stack-e-commerce' expanded, showing tables like 'address', 'country', 'customer', 'order_item', 'orders', 'product', 'product_category', 'state', 'views', 'Stored Procedures', and 'Functions'. The main query editor shows a query: `SELECT * FROM `full-stack-e-commerce`.`orders`;`. The 'Result Grid' displays two rows of data from the 'orders' table. The 'Table: orders' section on the left lists columns: id, order_tracking_number, total_price, total_quantity, billing_address_id, customer_id, shipping_address_id, status, date_created, and last_updated. The 'Output' section at the bottom shows the execution log with two actions: a SELECT query returning 1 row and another returning 2 rows.

id	order_tracking_number	total_price	total_quantity	billing_address_id	customer_id	shipping_address_id	status	date_created	last_updated
1	df695e6a-0f9b-48fe-bbe6-f2aad2dd5f529	44.97	3	1	1	2	NULL	2021-01-28 10:38:08.136000	2021-01-28 10:38:08.136000
2	413aa899-9de1-b6d4-9ba1-b31e4b41918	29.98	2	3	2	4	NULL	2021-01-28 10:43:31.943000	2021-01-28 10:43:31.943000

#	Time	Action	Message	Duration / Fetch
1	16:08:48	SELECT * FROM full-stack-e-commerce `orders` LIMIT 0, 5000	1 row(s) returned	0.000 sec / 0.000 sec
2	16:13:49	SELECT * FROM full-stack-e-commerce `orders` LIMIT 0, 5000	2 row(s) returned	0.016 sec / 0.000 sec

Description: Here, we can see the Database is able to show the tracking ID(s) of Each and every order.

Future scope:



Description: For VIP members of TS MARKET, we are planning to provide special discounts in the future.

THANK YOU!