

Kitchen Story

Project and developer details

Company name : Kitchen Story Pvt. Ltd.

Business goal : Kitchen Story is an e-commerce portal that lets people shop basic food items on their website. Their goal is to build a functional website that allows users to shop the food items.

Developer details:

Name	Nirosh Prakash
Designation	Full stack developer
Company	Kitchen Story Pvt. Ltd.

Sprint planning

Sprint 0:

- Requirements gathering.
- Requirements analysis.
- Project estimation.
- Development sprints planning.

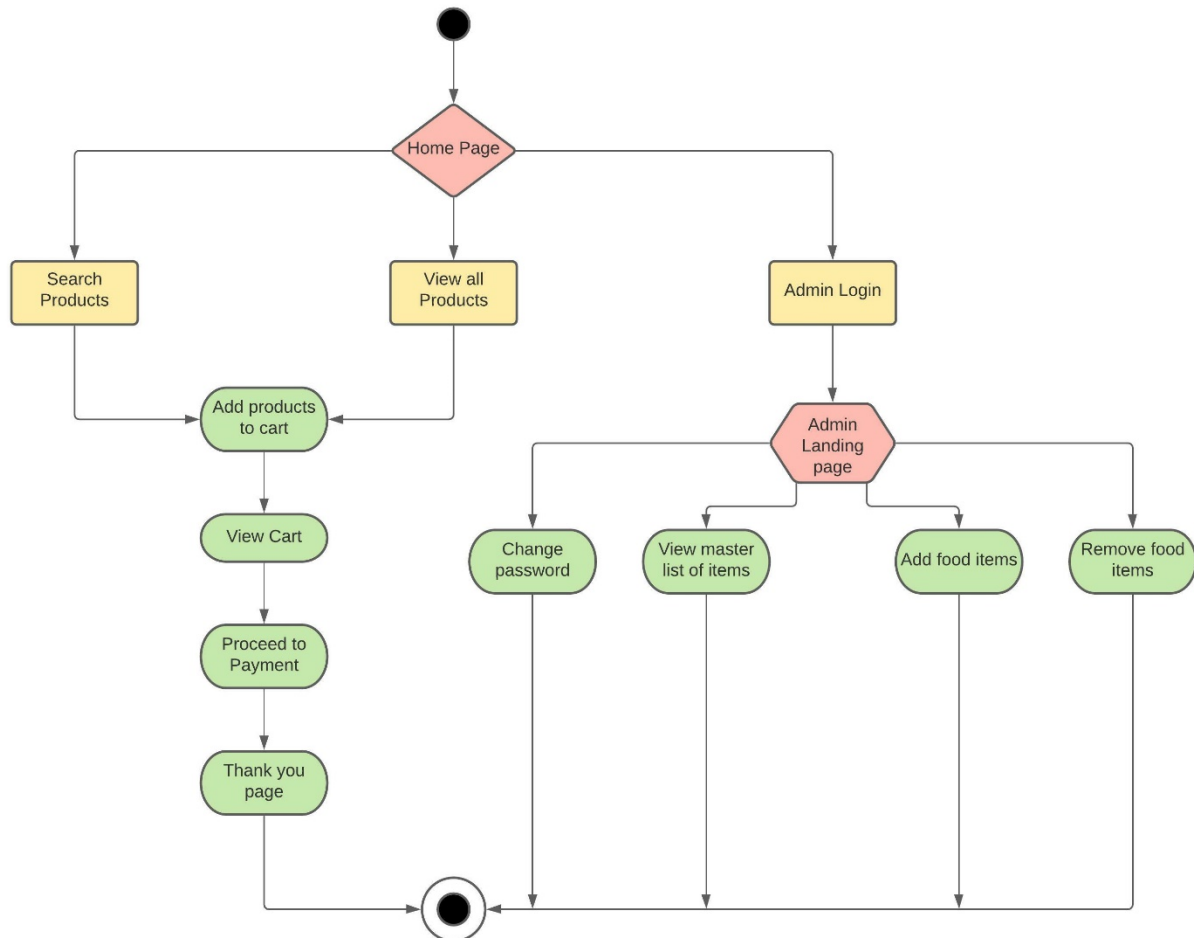
Sprint 1:

- Setting up of codebase.
- Creating a github repository and pushing the code base.
- Development activities.

Sprint 2:

- Create specification document with flow of application and flow chart.
- List core concepts and algorithms beings used in the application.
- Bug fixes.

Application flowchart



Core concepts used in the project

Languages used for development : HTML, CSS, Javascript, Java

Key core concepts:


- HTML, Bootstrap, CSS, Javascript
- Object oriented programming in Java.
- Spring Boot.
- JPA.
- Hibernate.
- Control statements.
- Exception handling.
- Maven.
- SQL.

Product capabilities

Kitchen Story is a web portal that provides admin login capabilities and is capable of performing the following operations:

1. Allow admin user login.
2. Allow admin users to change their login password.
3. Business level operations for admin users:
 - View master list of items.
 - Allow logged in admin users to add new food products.
 - Remove food products.
4. Allow customers to search specific products, add them to the cart, make payment and checkout.
5. Allow customers to view all products, add them to the cart, make payment and checkout.
6. Close the application.

Project creation snapshot



Project

- ☒ Maven Project
- ☐ Gradle Project

Language

- ☒ Java ☐ Kotlin
- ☐ Groovy

Spring Boot

- ☐ 2.6.0 (SNAPSHOT) ☐ 2.6.0 (RC1)
- ☐ 2.5.7 (SNAPSHOT) ☒ 2.5.6 ☐ 2.4.13 (SNAPSHOT)
- ☐ 2.4.12

Project Metadata

Group

com.kitchenstory

Artifact

kitchenstory.com

Name

kitchenstory.com

Description

E-commerce portal for Kitchen Story.

Package name

com.kitchenstory

Packaging

☒ Jar ☐ War

Java

☐ 17 ☒ 11 ☐ 8

Dependencies ADD DEPENDENCIES... CTRL + B

Spring Web WEB

Build web, including RESTful, applications using Spring MVC. Uses Apache Tomcat as the default embedded container.

Spring Data JPA SQL

Persist data in SQL stores with Java Persistence API using Spring Data and Hibernate.

JDBC API SQL

Database Connectivity API that defines how a client may connect and query a database.

H2 Database SQL

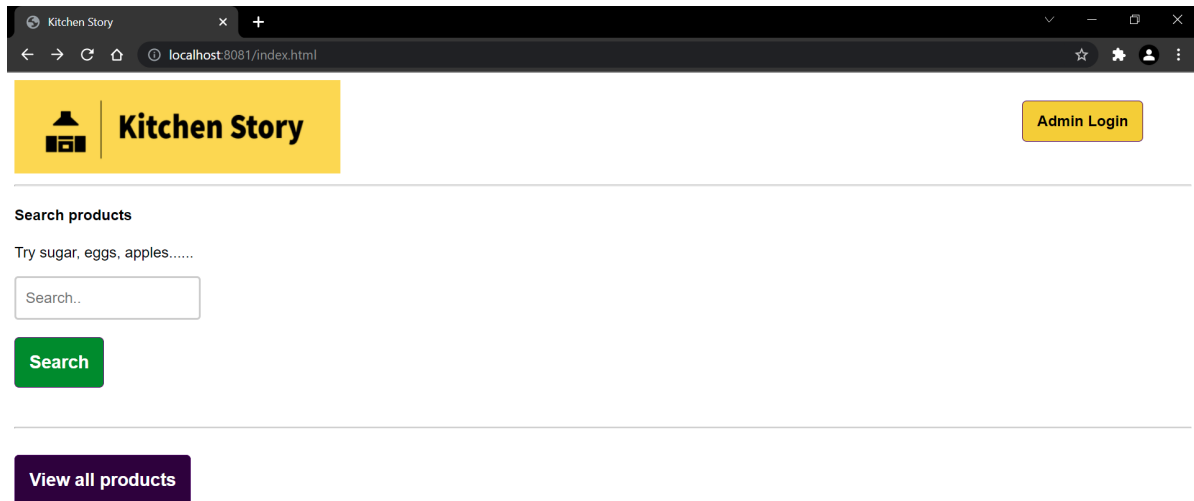
Provides a fast in-memory database that supports JDBC API and R2DBC access, with a small (2mb) footprint. Supports embedded and server modes as well as a browser based console application.

Thymeleaf TEMPLATE ENGINES

A modern server-side Java template engine for both web and standalone environments. Allows HTML to be correctly displayed in browsers and as static prototypes.

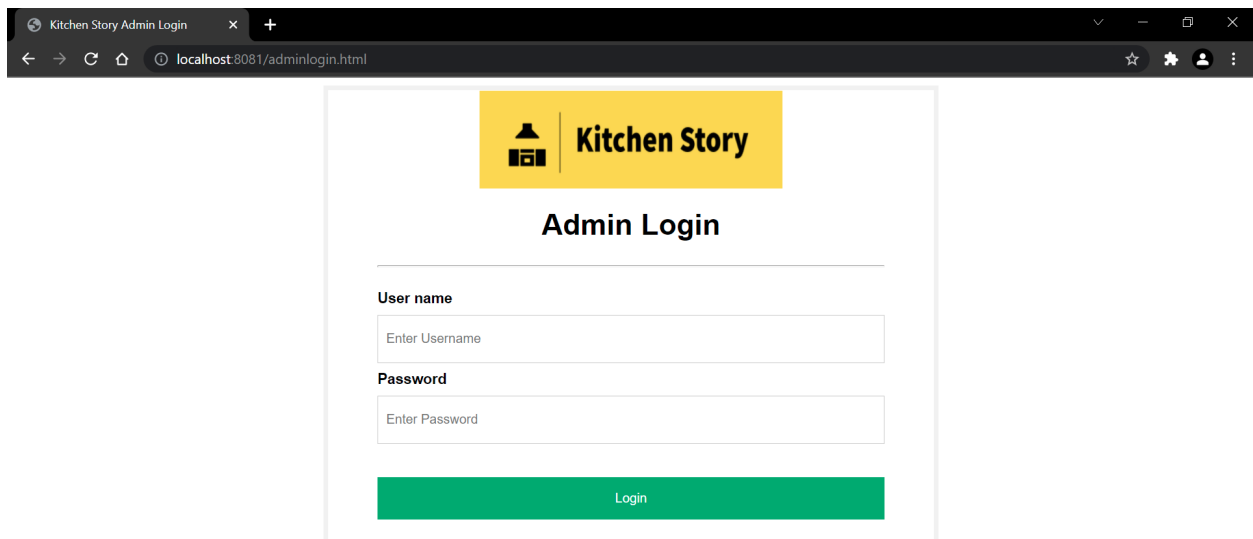
Application snapshots

Home page:



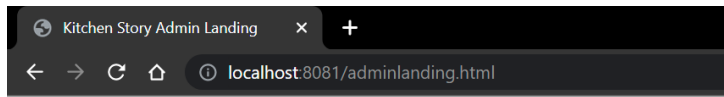
The screenshot shows a web browser window with the title 'Kitchen Story' and the URL 'localhost:8081/index.html'. The page features a yellow header with the 'Kitchen Story' logo and an 'Admin Login' button. Below the header, there is a 'Search products' section with a placeholder text 'Try sugar, eggs, apples.....', a search input field, and a green 'Search' button. At the bottom, there is a purple button labeled 'View all products'.

Admin login page:

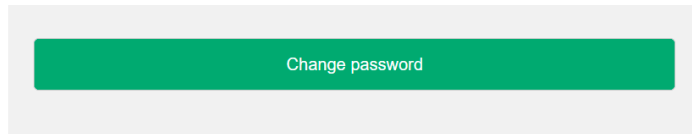


The screenshot shows a web browser window with the title 'Kitchen Story Admin Login' and the URL 'localhost:8081/adminlogin.html'. The page features a yellow header with the 'Kitchen Story' logo. Below the header, there is a section titled 'Admin Login' containing a 'User name' label, an input field with placeholder text 'Enter Username', a 'Password' label, an input field with placeholder text 'Enter Password', and a green 'Login' button.

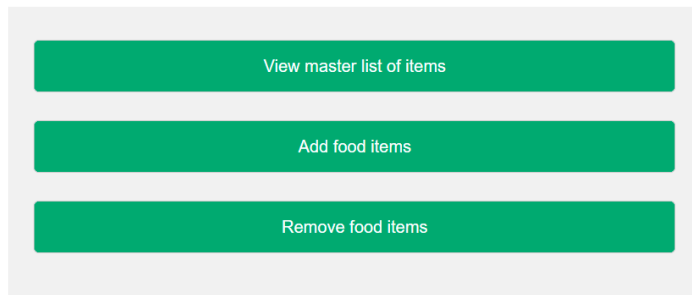
Admin landing page:



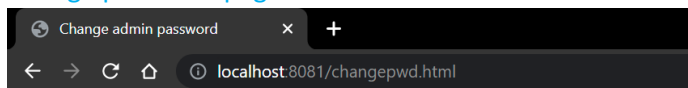
ADMIN CONSOLE



Choose from below options:



Change password page:



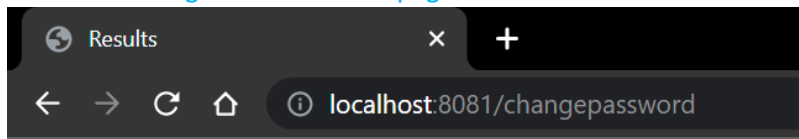
Kitchen Story - Change admin password

Old Password

New Password

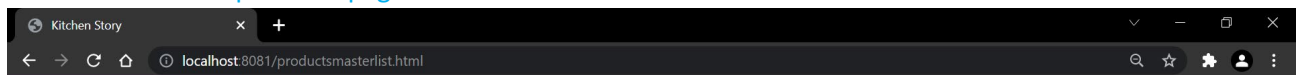
Submit

Password changed confirmation page:








Password change successful.

View master list of products page:




PRODUCTS MASTER LIST

 <p>Apples 1kg Product ID: apple Price: ₹ 200</p>	 <p>Spinach Product ID: spinach Price: ₹ 50</p>	 <p>Horlicks 1Kg Product ID: horlicks Price: ₹ 250</p>	 <p>Wheat Flour 1Kg Product ID: wheatFlour Price: ₹ 220</p>
 <p>Eggs 1 Dozen Product ID: eggs Price: ₹ 75</p>	 <p>Sugar 1Kg Product ID: sugar Price: ₹ 80</p>	 <p>Pepper powder 100gm Product ID: pepperPowder Price: ₹ 120</p>	 <p>Chicken Product ID: chicken Price: ₹ 180</p>

Add food item page:

Browser tabs: Add new product

Address bar: localhost:8081/addnewproduct.html



Kitchen Story

ADD NEW FOOD PRODUCT

Product name*

Product ID*

Available product stock*


Price*

Product Image*
 orange.jpg

Food item added confirmation page:

Browser tabs: Results

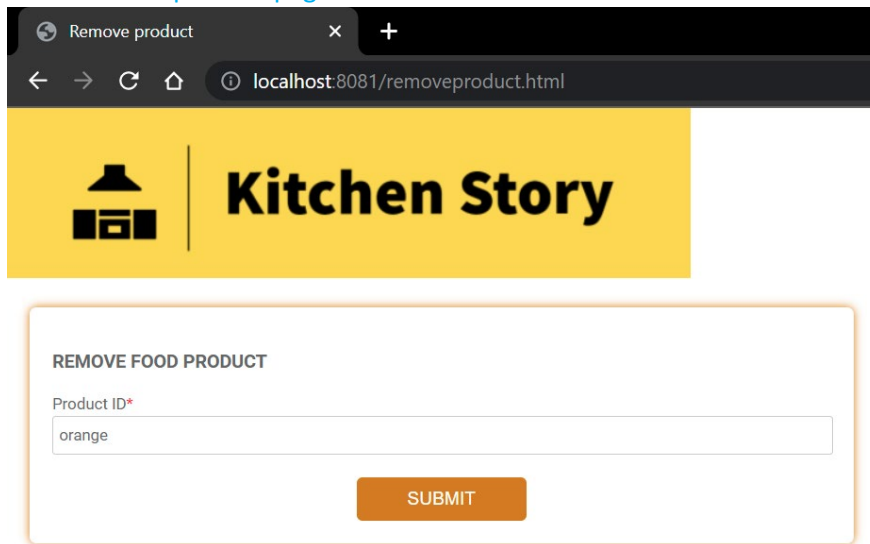
Address bar: localhost:8081/addnewproduct



Kitchen Story

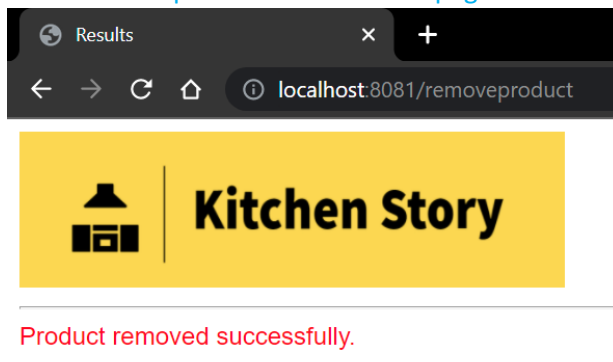
Product added successfully.

Remove food product page:

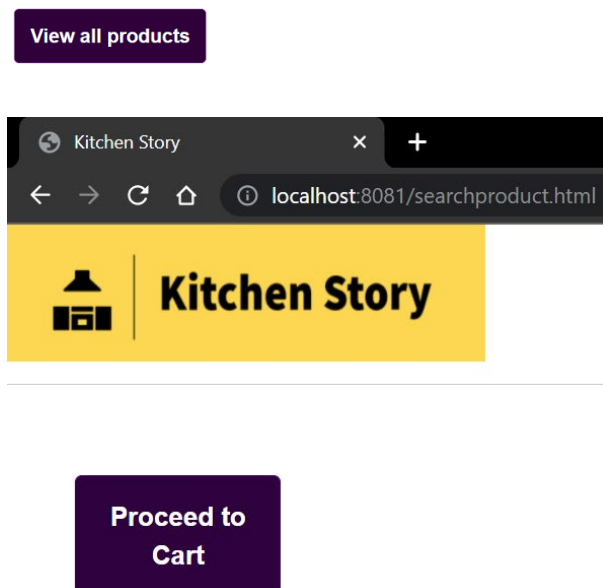
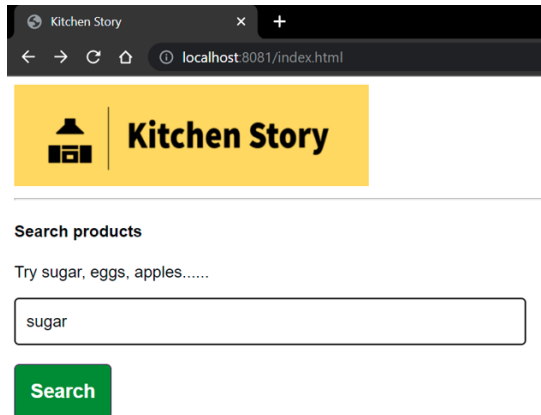


The screenshot shows a web browser window with a single tab titled 'Remove product'. The address bar displays 'localhost:8081/removeproduct.html'. The page features a yellow header with a black icon of a house with a chimney and the text 'Kitchen Story'. Below the header, the main content area is white and contains the heading 'REMOVE FOOD PRODUCT'. Under this heading is a form with a label 'Product ID*' and a text input field containing the word 'orange'. A brown 'SUBMIT' button is positioned below the input field.

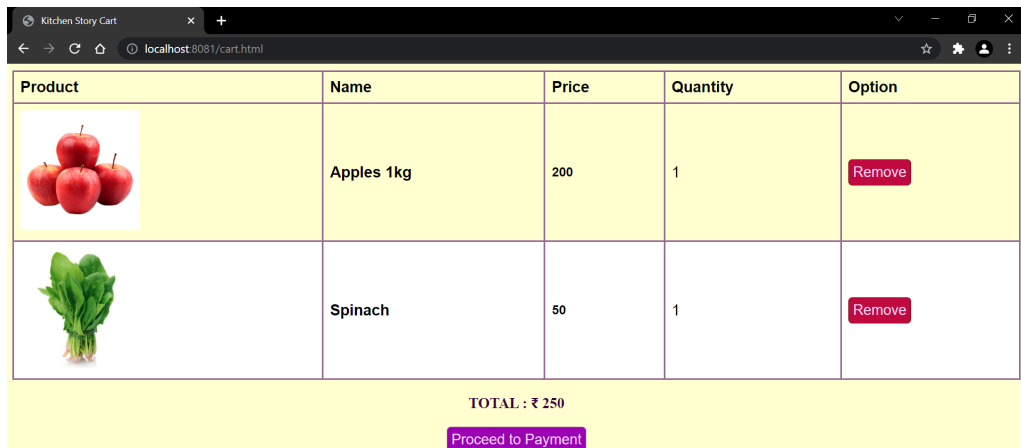
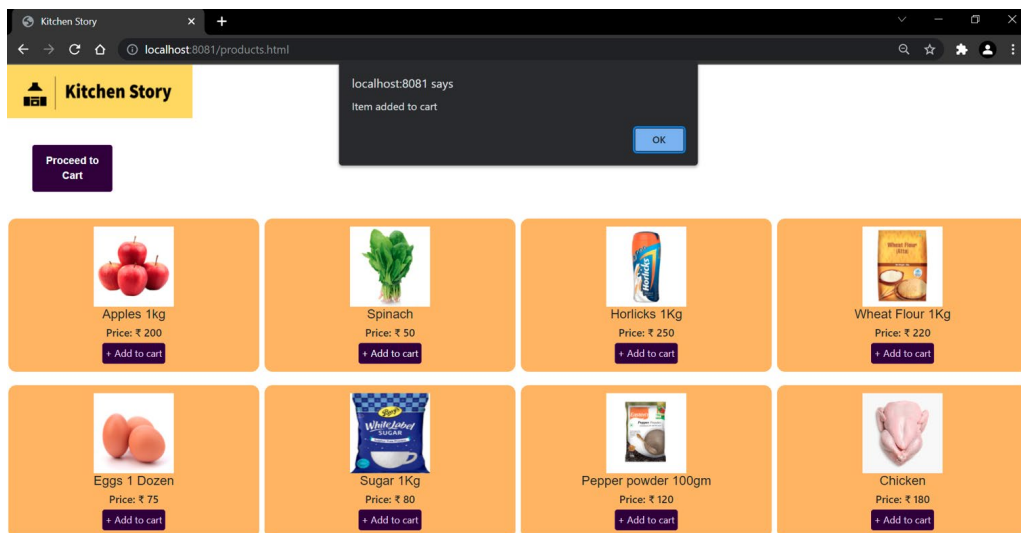
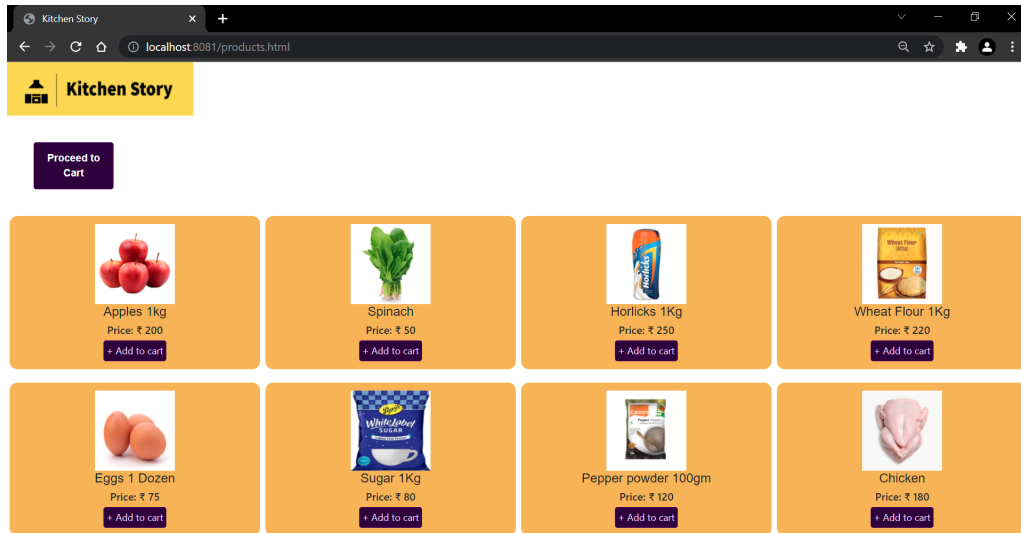
Remove food product confirmation page:

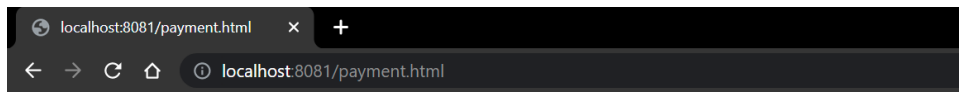


1. Search product functionality:

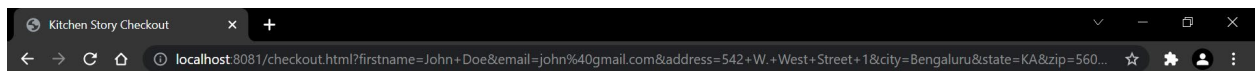


2. View all products functionality





Billing Address		Payment	
Full Name		Accepted Cards	
<input type="text" value="John Doe"/>			
Email		Name on Card	
<input type="text" value="john@gmail.com"/>		<input type="text" value="John More Doe"/>	
Address		Credit card number	
<input type="text" value="542 W. West Street 1"/>		<input type="text" value="1111-2222-3333-4444"/>	
City		Exp Month	
<input type="text" value="Bengaluru"/>		<input type="text" value="September"/>	
State	Zip	Exp Year	CVV
<input type="text" value="KA"/>	<input type="text" value="560035"/>	<input type="text" value="2022"/>	<input type="text" value="352"/>
Continue to checkout			



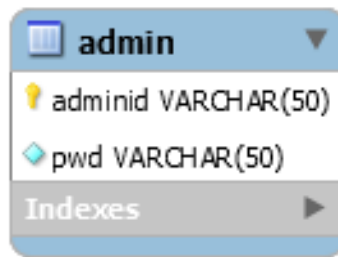
Thank you for shopping with us

Your payment is successful. Your final total is : ₹ 250

[Go to home](#)

Database snapshots

ER diagram:



Database creation:

Query 1 x

Limit to 1000 rows

```
1 create database kitchenstory;
2
```

Output

Action Output

#	Time	Action	Message
✓ 1	19:06:45	create database kitchenstory	1 row(s) affected

Creation of **admin** table:

Query 1 x

Limit to 1000 rows

```
1 create table admin(
2     adminid varchar(50) not null,
3     pwd varchar(50) not null,
4     primary key(adminid)
5 );
```

Query 1

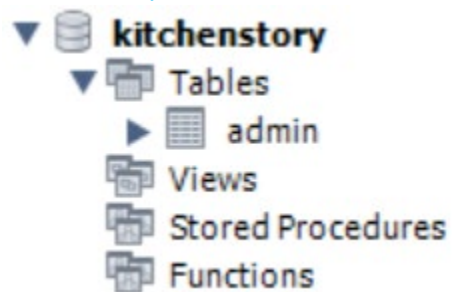
Limit to 1000 rows

```
1 • select * from admin;
```

Result Grid

	adminid	pwd
▶	admin1@kitchenstory.com	admin1@123
	admin2@kitchenstory.com	hello@123
	admin3@kitchenstory.com	abc#576
	admin4@kitchenstory.com	\$1234abcd
	admin5@kitchenstory.com	xyz@#123
*	NULL	NULL

Kitchen Story database tables:



Git repository : <https://github.com/niroshprakash1995/Kitchen-Story>

Conclusion

The e-commerce portal development for Kitchen Story Pvt. Ltd. has laid the necessary foundation to enhance the product in the future and provide additional features to its customers. Some of the key enhancements to the application that can be added include:

1. Functionality to allow users view different categories of products.
2. Allow users to compare products that belong to the same category.
2. Provide a rich user experience through enhanced end-to-end development.
3. Additional functionalities such as order tracking, different payment options, delivery options etc. can be added in the future.

The relevant stakeholders can review the current functionality and implementation, and plan a full-fledged enhanced development and release in the future.