

Grocery Delivery Application

Team members and Enrollment numbers

Damini Gadpal (EONFWL629541)

Sravani Simma(EBEON0722627757)

Arunprasath Sivakumar(EBEON0722624976)

KarvinBritto M (EBEON0722626000)

Krishnaraj B(EBEON0722625017)

Guided by
Varadarajan A

Grocery Delivery Application

- ▶ Admin Module (Damini)
- ▶ Order Module (Sravani)
- ▶ Customer Details Module (ArunPrasadh)
- ▶ Delivery Management System(Karvin)
- ▶ Product Details (Krishnaraj)

Grocery Delivery Application

Order Module

Goals:

- How to add product into cart
- How to achieve payment process
- How to view order status
- How to maintain offers and discounts

Submodules:

- ▶ Cart
- ▶ Payment
- ▶ Order details
- ▶ Offers and discounts

Module 1:Cart

Definition: Shopping cart enables customers to select products , review what they selected , make modifications or add extra items if needed , and purchase the products.

Module interconnection:

when ever customer click on the “add to cart” button . it redirect to the cart this action control by productconroller.java class

Module 2:Payment

- Definition: Online payments refer to the electronic exchange of currency through the internet. These payment usually consist of the transfer of monetary funds from a customer's bank or credit or debit account, into the seller's bank account

Module interconnection:

This this payment process control by payment controller

Module 3: Order Details

- Definition: Order Details consists name of the item ,order number, total price, discount price, order date , order status.

Module interconnection:

In this module customer when ever click on “my order” it redirect to `customer/my_account` it is control by `Orderdetailcontroller.java`

Module 4: Offers and Discounts

Definition: The offer which is made to an individual or to a specific group of individual is said to be specific offer

Module interconnection:

Offers and Discounts control by ProductAdmController.java

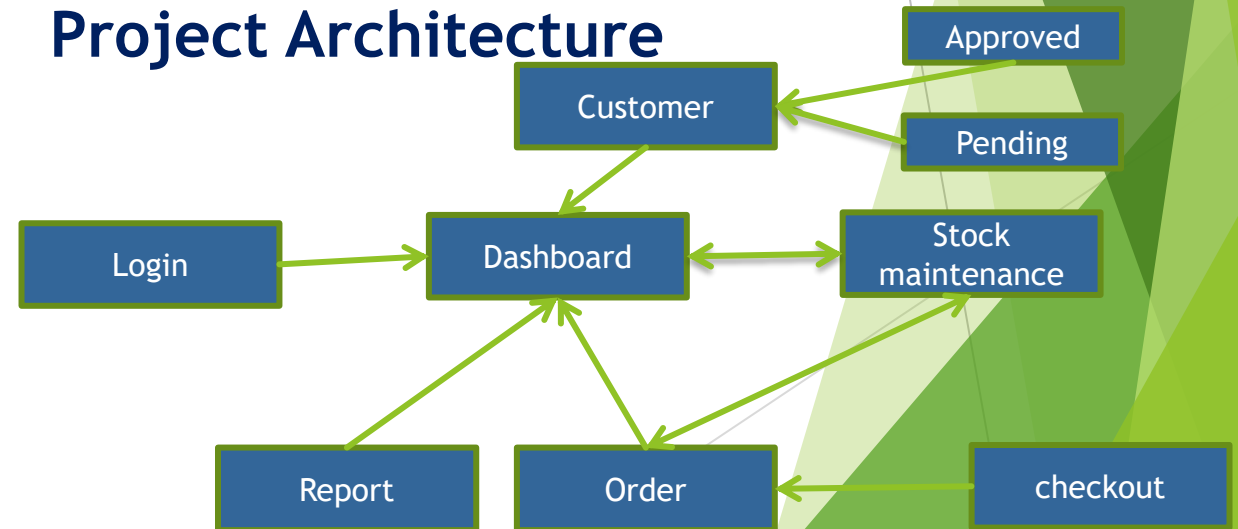
In this module admin can add product name , product description , and mrp rate, price, product status, product img.

When ever click on submit “/saveProduct” is control by ProductAdminController.java

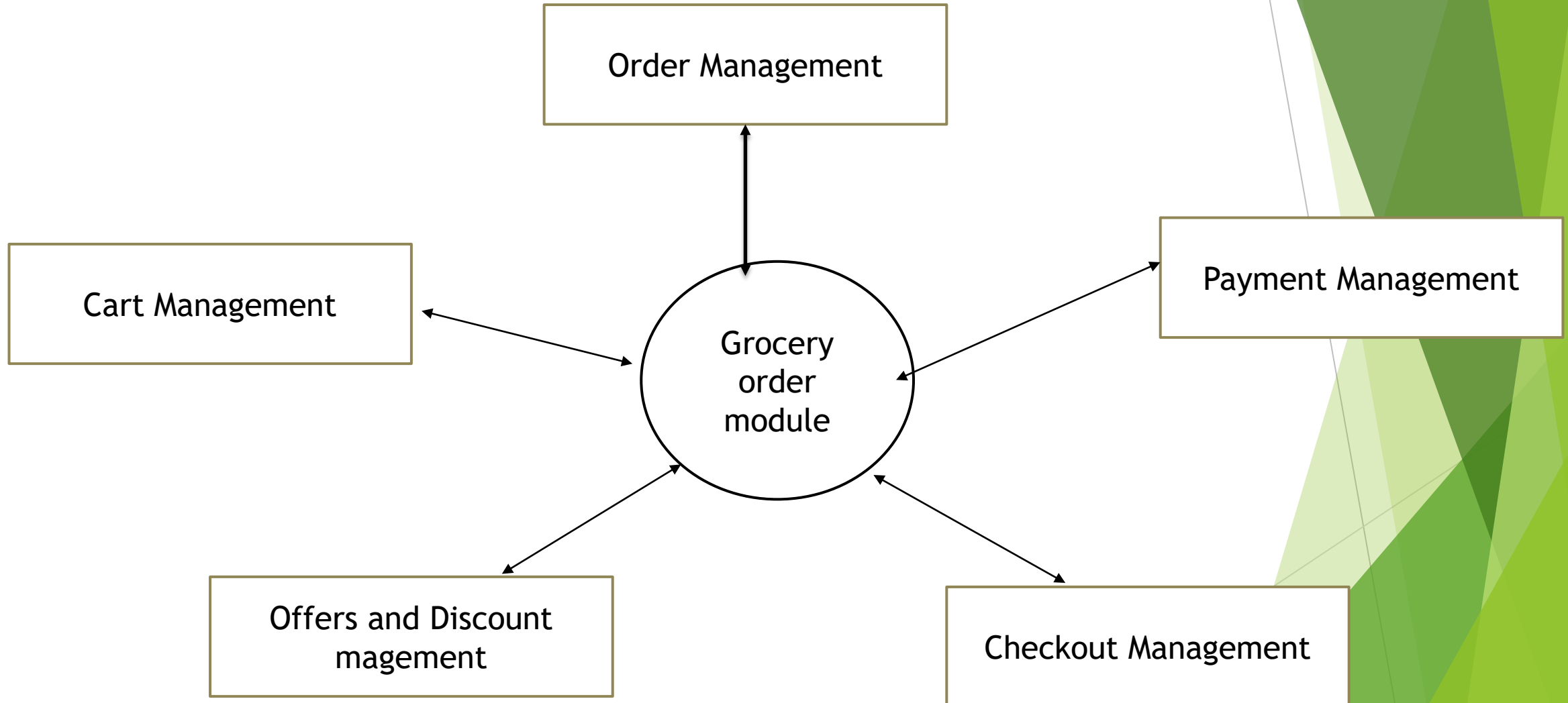
Project overview

project architecture diagram

Project Architecture



Dataflow diagram



Challenging issues

- ▶ While developing my module I faced errors regarding configuration files and while connection between submodules.
- ▶ Later I work on errors and fixed errors and finally I got output.

Testing

► Tested result

Test tool: JUnit test

The screenshot displays the Eclipse IDE interface for a Java project named 'Grocery-Store-Full-Stack-project'. The main editor shows the source code for `ProductAdmController.java`, specifically the `createProduct` method. The code includes logging, file creation, and database operations using Hibernate.

The left sidebar shows the 'JUnit' test runner. It indicates that the tests were 'Finished after 12.951 seconds' with 'Runs: 1/1', 'Errors: 0', and 'Failures: 0'. The test class is `GeneralStoresApplicationTests`.

The bottom console window shows the output of the JUnit test run. It includes various log messages and warnings, such as:

- `com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.`
- `org.hibernate.dialect.Dialect : HHH000400: Using dialect: org.hibernate.dialect.HibernateDialect`
- `org.hibernate.tool.schema.internal.SchemaToolImpl : HHH000490: Using JtaPlatform implementation: [org.hibernate.jta.platform.internal.JtaPlatformImpl]`
- `org.springframework.orm.jpa.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'application'`
- `org.springframework.scheduling.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'`
- `org.springframework.scheduling.concurrent.ThreadPoolTaskExecutor : Adding welcome page template: index`
- `com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown initiated...`
- `com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown completed.`

The Windows taskbar at the bottom shows the system time as 21:51 on 11-12-2022.

Features about the module

- ▶ In Order module customers can easily can find product using search bar
- ▶ Customers can easily zoom items images
- ▶ Customers can easily view the product details
- ▶ Customers can easily add products into cart
- ▶ Customers can easily order grocery items by simple steps

Future enhancement

- ▶ We can give more advance software for grocery delivery application including more facilities.
- ▶ Create the master and slave database structure to reduce the overload of the database queries
- ▶ Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers.

Conclusion

- ▶ Our project is only a humble venture to satisfy the needs of users . Several user friendly coding have also adopted.
- ▶ User can easily interact with my application and also they can buy products by simple steps.
- ▶ Finally my project is implemented and tested according to test cases.