**DigitalChef**

**Class diagrams**

**2.1 Model Package**

com.grazitti.digitalchef.model

**MenuItem**

-id: long

-name: String

-price: float

-active: boolean

-dateOfLaunch: Date

-category: String

-freeDelivery: boolean

**Cart**

-menuItemList: List<MenuItem>

-total: double

**2.2. Util Package**

com.grazitti.digitalchef.util

**DateUtil**

+convertToDate(date: String): Date

**2.3. Dao package**

com.grazitti.digitalchef.dao

**MenuItemDaoCollectionImpl**

-menuItemList: List<MenuItem>

+MenuItemDaoCollectionImpl()

+getMenuItemListAdmin(): List<MenuItem>

+getMenuItemListCustomer(): List<MenuItem>

+modifyMenuItem(menuItem: MenuItem): void

+getMenuItem(menuItemId: long): MenuItem

**CartDaoCollectionImpl**

-userCarts: HashMap<Long, Cart>

+CartDaoCollectionImpl()

+addCartItem(userId: long, menuItemId: long): void

+getAllCartItems(userId: long): List<MenuItem> raises CartEmptyException

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**MenuItemDaoCollectionImplTest**

+main(args[]: String): void

+testGetMenuItemListAdmin(): void

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+testModifyMenuItem(): void

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**java.lang.Exception**

**CartEmptyException**

<<exception>>

**ConnectionHandler**

+getConnection(): Connection

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**3.1 Class diagram**

com.grazitti.digitalchef.dao

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**4.1. Class diagram:**

The below diagram denotes the methods that needs to be implemented for this use case.

Method wise specification is defined in the document.

com.grazitti.digitalchef.dao

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**5.1. Class diagram**

com.grazitti.digitalchef.dao

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**CartEmptyException**

<<exception>>

**ConnectionHandler**

+getConnection(): Connection

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**CartDaoSqlImplTest**

+main(args[]: String): void

+testAddCartItem(): void

+testGetAllCartItems(): void

+testRemoveCartItem(): void

**6.1. Class diagram – Add to Cart**

com.grazitti.digitalchef.dao

**MenuItemDaoCollectionImpl**

-menuItemList: List<MenuItem>

+MenuItemDaoCollectionImpl()

+getMenuItemListAdmin(): List<MenuItem>

+getMenuItemListCustomer(): List<MenuItem>

+modifyMenuItem(menuItem: MenuItem): void

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**java.lang.Exception**

**CartEmptyException**

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**ConnectionHandler**

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+main(args[]: String): void

+testAddCartItem(): void

+testGetAllCartItems(): void

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**7.1 Class diagram – View cart**

com.grazitti.digitalchef.dao

**MenuItemDaoCollectionImpl**

-menuItemList: List<MenuItem>

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+getMenuItemListAdmin(): List<MenuItem>

+getMenuItemListCustomer(): List<MenuItem>

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+main(args[]: String): void

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**8.1 Remove cart item**

com.grazitti.digitalchef.dao

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