Online Food Ordering System Project Rubrik

Requirements	Implementation	Status
Minimum 6 Classes	Implemented 12+ Classes including User, Restaurant, Menu, MenuItem, Order, Payment etc.	✓ Exceeded
Overloaded Methods	Examples: process() in CreditCardPayment, getRestaurantMenu()	✓ Implemented
Overloaded Constructors	Examples: User, Restaurant, CreditCardPayment all have multiple constructors	✓ Implemented
Vararg Overloading	Menu.addItems(MenuItem...) takes variable number of menu items	✓ Implemented
Nested Classes	User.Rewards as a static nested class	✓ Implemented
Abstract Class	Payment is an abstract class	✓ Implemented
Interface	Multiple interfaces: PaymentProcessor, RestaurantFilter, etc.	✓ Exceeded
Hierarchical Inheritance	Payment → CreditCardPayment, DigitalWalletPayment	✓ Implemented
Multiple Inheritance	RestaurantSearchService implements both CuisineFilter and PriceFilter	✓ Implemented
Wrappers	Used Double, Integer wrappers in Restaurant class	✓ Implemented
Package	Default package structure throughout	✓ Implemented
Exception Handling	OrderException, PaymentException, try-catch blocks in FoodOrderingSystem	✓ Implemented
I/O: File Handling	FileOrderHistoryManager for reading/writing order history	✓ Implemented
Scanner Class	Used extensively in FoodOrderingSystem for user input	✓ Implemented
Multithreading	DeliveryTracker implements Runnable	✓ Implemented