

Semester Project Documentation

Semester Project Title: Campus Delivery System

Student Details

(Fill according to number of team/group members)

	Student Name	Student Reg #	Student Degree
Student-1	Muhammad Saeed Shaikh	2022421	Computer Engineering
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Main Features

(Mention each by numbering as 1, 2, 3 ... etc)

1. Allow businesses to register
2. Allow businesses to manage a catalog
3. Save data about businesses
4. Load Data about businesses
5. Allow customers to order
6. Calculate price
7. Save Order
8. Allow Drivers to register
9. Get orders for driver

Types of Users

(Just Mention the types of users For Example: Teacher, Student ... etc.)

Customer

Business Owner

Driver

Requirements Breakdown

1.1: Create business constructor

1.2 Add business to container

- 1.3 Remove Business from container
- 2.1 Add an item to business catalog
- 2.2 Remove an item from catalog
- 2.3 Change the price of an item
 - 3.1 Save business details
 - 3.2 Save catalog details
- 4.1 Load business details
- 4.2 Load catalog details
- 5.1 Allow customers to select items and quantity
 - 6.1 Calculate price of items
 - 7.1 Save orders in file
 - 8.1 Create new drivers
 - 8.2 Save Drivers
 - 8.3 Load Drivers
- 9.1 Load Orders from file

GUI Screens / Design / Wireframes

(Think what kind of GUI your application should have. Make a simple and easy one, you don't need to create complex design, copy and paste screenshot of your design under this heading)

Features to Coding Matrix

(In the following table you will mention the following items for each feature, mention the items in each column for each feature of your application)

Sr no.	Feature Name	OOP Type Used	Functions Created	Variables / Obj Created	Line of Code Written
1	Catalog Management	Class (Catalog)	findIndex, AddItem, RemoveItem, ChangePrice	iname, iprice	23

2	Business Management	Class (Business), Inheritance (from Catalog)	NewBusiness, FindBusiness, RemoveBusiness, BSave, BLoad, CSave, CLoad, createOrder, calcOrder, printItems, giveItemsNames, giveItemsPrice	name	58
3	Driver Management	Class (Driver, bike, car, van), Inheritance, Polymorphism, Runtime polymorphism	NewDriver, DSave, DLoad, DFind, seatno	Name,numplate,v	54
4	Order Management	Functions	SaveOrder, createOrder, LoadOrders, calcOrder	-	24
5	File Management	Functions	removeLines, SaveOrder, DSave, DLoad, BSave, BLoad, CSave, CLoad	-	30