This lab aims to bridge database systems (like Pine Valley Furniture) with web-based interfaces and move toward Business Intelligence. Here's a breakdown of all requirements and deliverables expected for this lab:

✅ Lab Requirements (Step-by-step)
🔷 Database Recap (Background Knowledge)
You should be familiar with the following tables from your existing Pine Valley Furniture DB:

CUSTOMER_T

ORDER_T

ORDER_LINE_T

PRODUCT_T

🧩 Part 1: User Interface Development
You need to create HTML prototypes (frontend only) for the following five modules:

1️⃣ New Customer Registration
HTML form with fields: Name, Email, Password, Phone, Address.

"Register" button.

Basic form validation (optional but ideal).

2️⃣ Product Search
A search input box (by product name, category, or price range).

A "Search" button.

Display of matching products in table or card layout.

3️⃣ Product Selection and Order Placement
A page showing product list (with Add to Cart or Select checkbox).

Option to enter quantity and add to cart.

A summary section to confirm order and "Place Order" button.

4️⃣ Product Catalog Update
Admin-style interface to add/edit/delete products.

Fields: Product ID, Name, Description, Price, Stock, Category.

Buttons: Add Product, Update Product, Delete Product.

5️⃣ Payment Provision
Payment form with fields: Card Number, Expiry, CVV, Name on Card.

Buttons: "Pay Now" or "Confirm Payment".

🔷 Navigation & Layout
Create a menu using and with internal links:

Home

Register

Search Products

Order Products

Catalog Update

Payment

Help

Ensure all pages are linked and test in the browser.

Layout Options:

Use HTML tables for structured layout, or

Use CSS flow-based layout (divs, flexbox or grid).

🆘 Help Pages
Simple help text for each major function (e.g., how to register, how to place an order, etc.).

Can be added as a popup, tooltip, or separate HTML page.

🎨 Styling
Use internal or external CSS.

Make pages visually appealing using styles (colors, padding, margins, fonts).

Optional: Use hover effects, transitions, or mobile responsiveness.

📊 Part 2: Business Intelligence Features (Theoretical Implementation)
i) Transform Order System → Customer Segmentation
Goal: Group customers based on behavior (e.g., frequent buyers, location, product type).

Analyze CUSTOMER_T, ORDER_T, ORDER_LINE_T.

Build logic or UI to segment by:

Purchase frequency

Total spent

Preferred categories

Location

ii) Add User Profiling to System
Store user preferences and order history.

Use profiles to show:

Recommended products

Personalized discounts

Preferred payment methods

iii) Targeted Marketing Implementation
Use customer profile + segmentation to:

Send promotional emails

Suggest deals during login

Show targeted ads in the UI

✅ Summary of Deliverables
Task Deliverable
UI Design Paper sketches (manual) of 5 interfaces
HTML/CSS 5 separate .html pages (Registration, Search, Order, Catalog, Payment)
Navigation Menu (in all pages) with links to other pages
Help Pages At least one help page or section per main feature
CSS Styling Style sheet applied to all pages
BI Features Explanation/documentation of BI ideas (no coding needed yet)
i have created home .aspx and .vb i have also write the code of register and search .aspx and .vb both but i have just made home the start page nd buld the solution for getting solution of register

and search do i need to make them register ans search the tart pges also on eby one in this way we willbe able evr to see the compiled output of all the files we need to make ? isnt it the lab requiremnt to have all the option on one page just asking guide m eaccordingly