

# Eproject

## E-Project for Semester No.3

### ICE CREAM

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**Ho Chi Minh City, 12/06/2024**

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## INTRODUCE EPROJECT – PROJECT NAME

### 1. Problem definition of project: (Introduce project)

### 2. List of Inputs to the Website:

✓ Admin:

- Login.
- Create/Read/Update/Delete(CRUD)  
User/Book/Recipe/Membership/NewRecipe/Orders.
- Search/Pagination
- Approve new recipe

✓ User:

- Register/Login/Logout/Change Password.
- Buy recipe, membership/ Renew membership
- Create new recipe for member
- Change profile
- Feedback
- View recipe, order

### 3. List of Outputs Expected from the Website

✓ Admin:

✓ User:

### 4. Overview of Processes Involved in the Website

- Manage User, Book, Recipe, Membership, NewRecipe, Orders.
- Users purchases membership
- Register, Login, Change Password, Change profile
- Buy or view recipe

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- Check order
- Logout

## 5. Hardware and Software Required for Implementing the Project

✓ Hardware:

- 64 Megabytes of RAM or better.
- .Net Framework.

✓ Software:

- Visual Studio 2022.
- Microsoft SQL Server Management Studio 19.

## 6. Flow chart of User

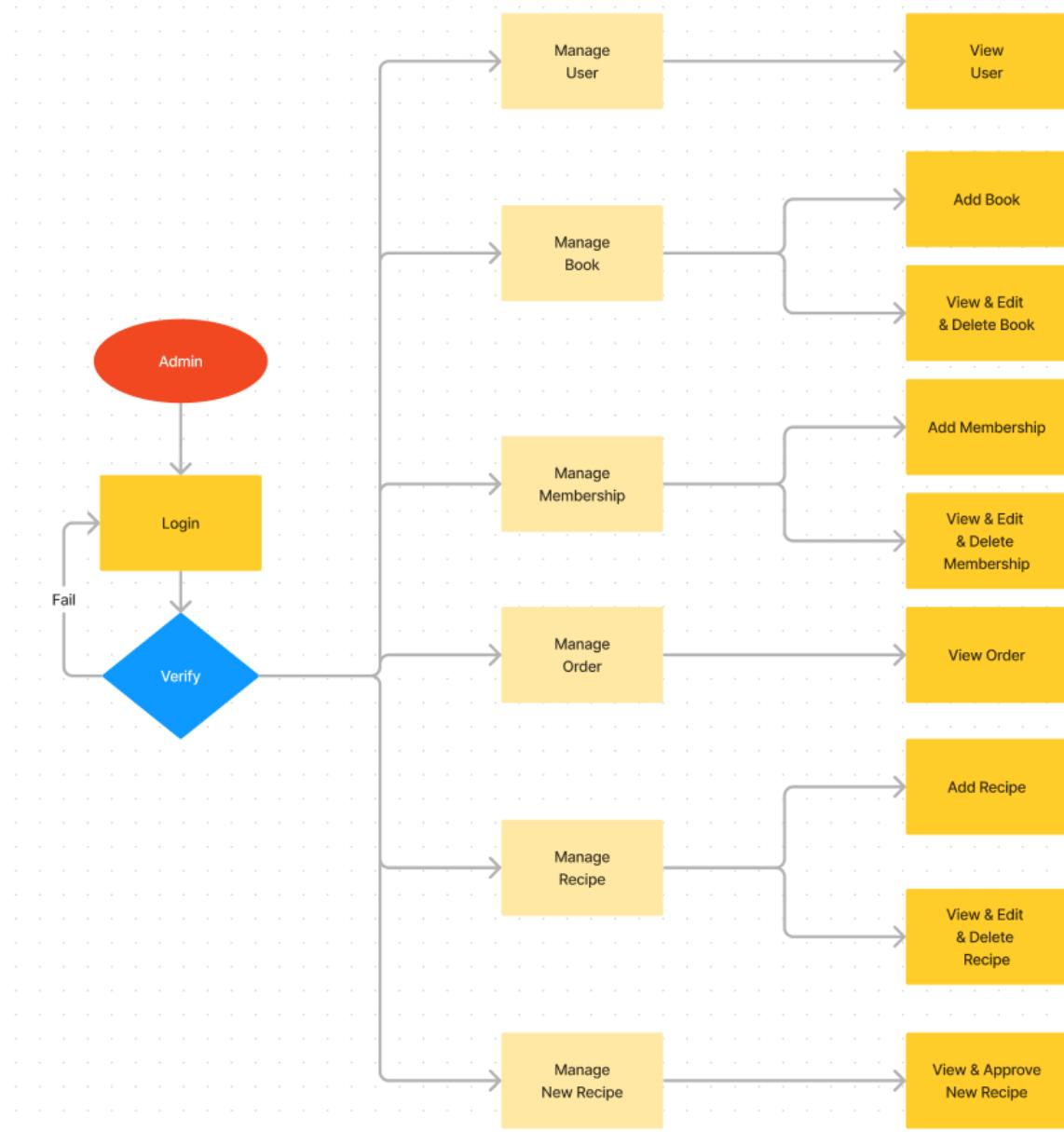
✓ Admin:

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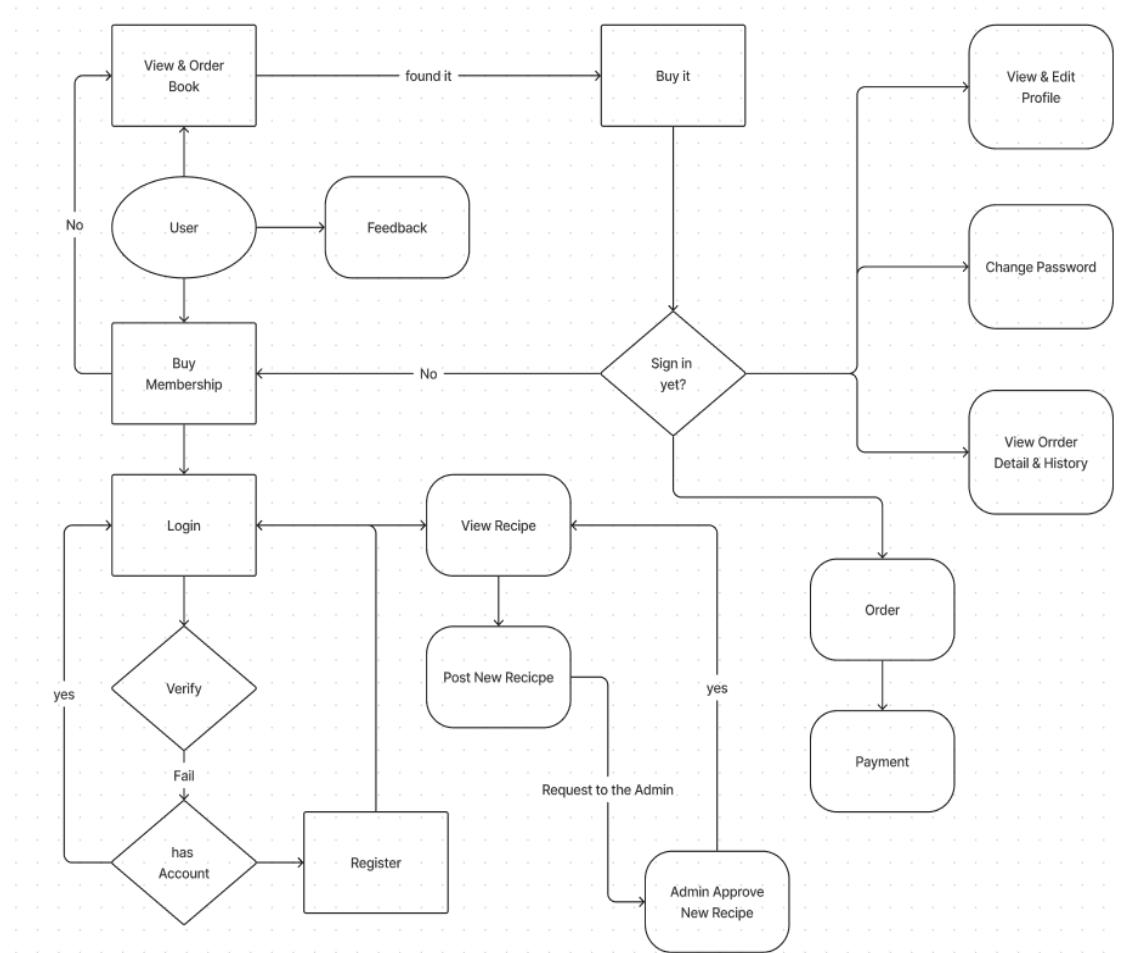
✓ User:

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## 6. Table assigning tasks to members (for Leader)

### HỆ THỐNG ĐÀO TẠO LẬP TRÌNH VIÊN QUỐC TẾ APTECH

STT	Function	Function Detail	Level	Recipient	Note	Type
<b>Database</b>						
1	Create Database		Medium	Lê Văn Anh		
2	Drawing Diagram		Low	Lê Văn Anh		
<b>Guest (No login required)</b>						
1	Build template	Design user website	Low	Lê Văn Anh		
2	About us	Get list information of about us	Low	Lộc Trần		
3	Contact		Low	Lộc Trần		
4	Search with keywords		Low	Lộc Trần		
5	Pagination		Medium	Lộc Trần		
6	Map and location		High	Lộc Trần		
	Product / service introduction		Low	Lộc Trần		
<b>Client (Required to login)</b>						
1	Login	Register	Medium	Hoàng Đức Lương	Encrypt password	
		Login, logout	Medium	Hoàng Đức Lương	Encrypt password	
2	Personal information	Profile (user information)	High	Hoàng Đức Lương		
		Change password	Low	Hoàng Đức Lương	Encrypt password	
		Forgot password	Medium	Hoàng Đức Lương	Encrypt password	
3	Order Details	Get information of order	High	Hoàng Đức Lương		Sales website / Service website
		Update order status	Low	Hoàng Đức Lương		Sales website / Service website
		Cancel order	Medium	Hoàng Đức Lương		Sales website / Service website
5	Shopping cart management		High	Kháng Dỹ		Sales website / Service website
6	Save favorite products		Low	Kháng Dỹ		Sales website / Service website
7	Payment management		Medium	Kháng Dỹ		Sales website / Service website
8	Manage order shipping		High	Kháng Dỹ		Sales website
9	Compare products		Low	Kháng Dỹ		Sales website
10	Comment		Medium	Kháng Dỹ		
11	Rating		High	Kháng Dỹ		
<b>Admin</b>						
1	Manage web	Edit and update	Low	Lộc Trần		
		Manage news content	Medium	Lộc Trần		
		Manage comments	High	Lộc Trần		
		Send email	Low	Lộc Trần		
2	Manage user	Get information user	Medium	Lộc Trần		
		Get orders of user (details of order)	High	Lộc Trần		Sales website
		Get information claims of user	Low	Lộc Trần		
3	Manage product	Product sold	Medium	Lê Văn Anh		Sales website
		Product in stock	High	Lê Văn Anh		Sales website
		Product out of stock	Low	Lê Văn Anh		Sales website
		Discounted products	Medium	Lê Văn Anh		Sales website
		Product brand management	High	Lê Văn Anh		Sales website
		Manage product attributes and variations	Low	Lê Văn Anh		Sales website
4	Manage sales	Order management	Medium		Sort by closest order	Sales website / Service website
		Show order status	High			Sales website / Service website
		Manage service list	Low			Sales website / Service website
5	Decentralize administrative to admins		Medium	Hoàng Đức Lương		

## INSTRUCTION TO RUN THE PROJECT

### 1. Import database and tables into SQL Server

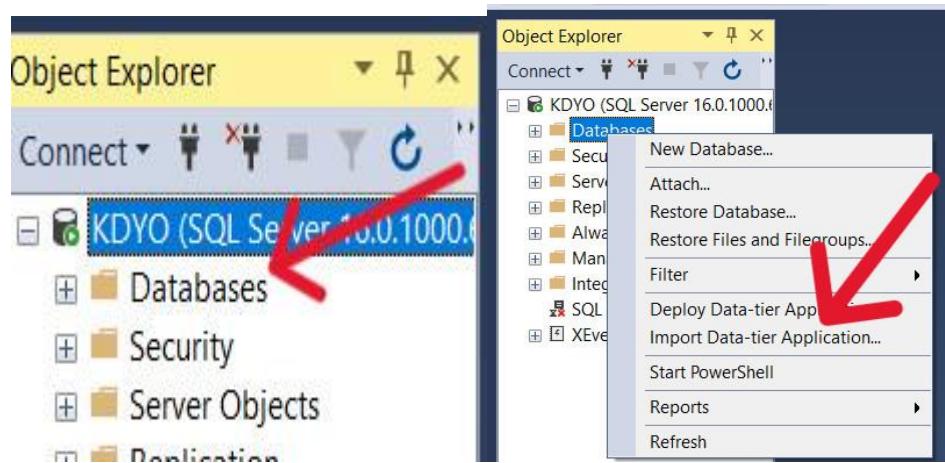
You open SQL Server and import file ProjectDAK3.bacpac I sent you:

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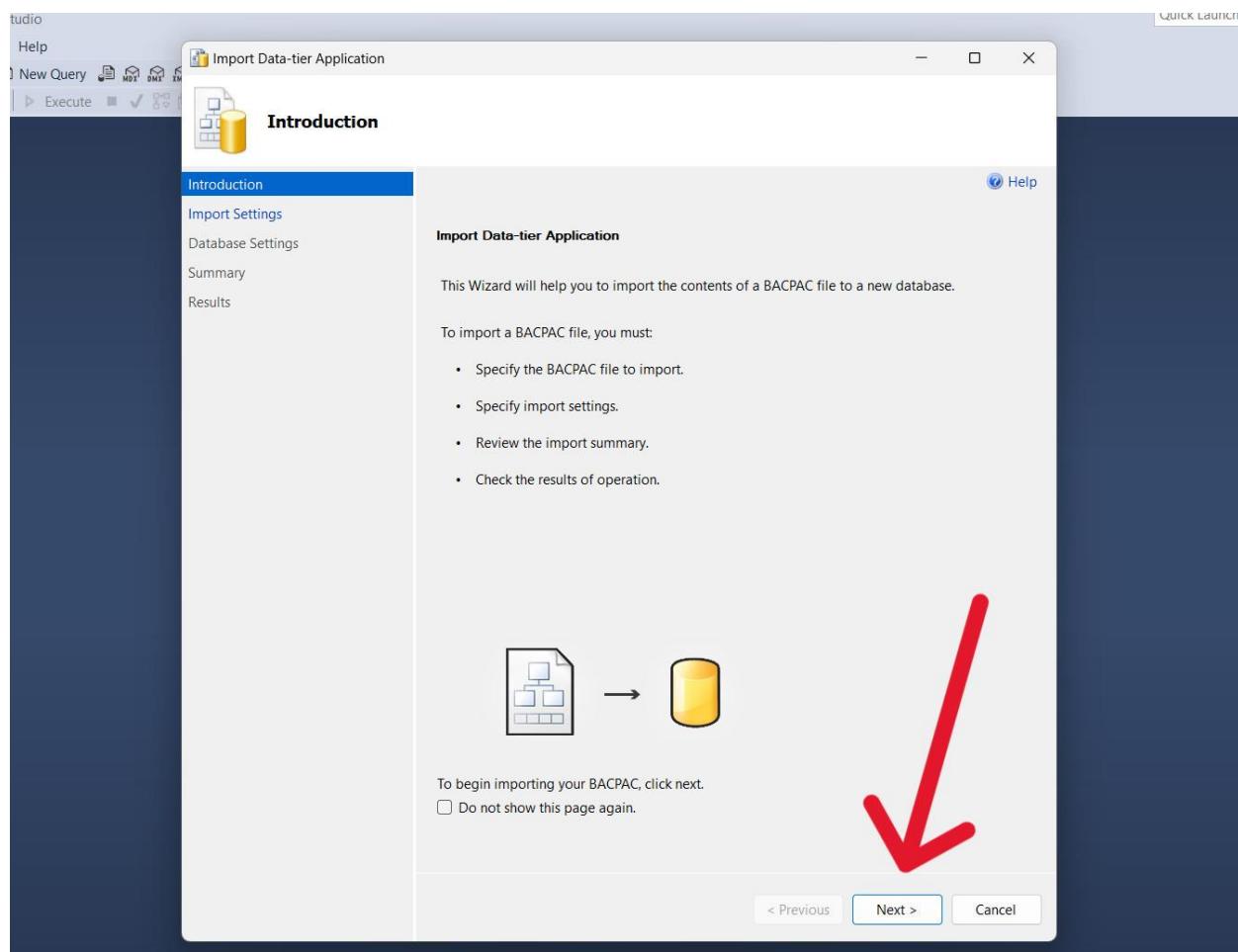


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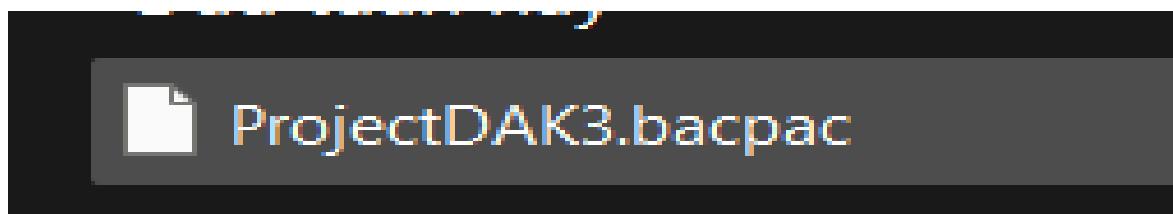
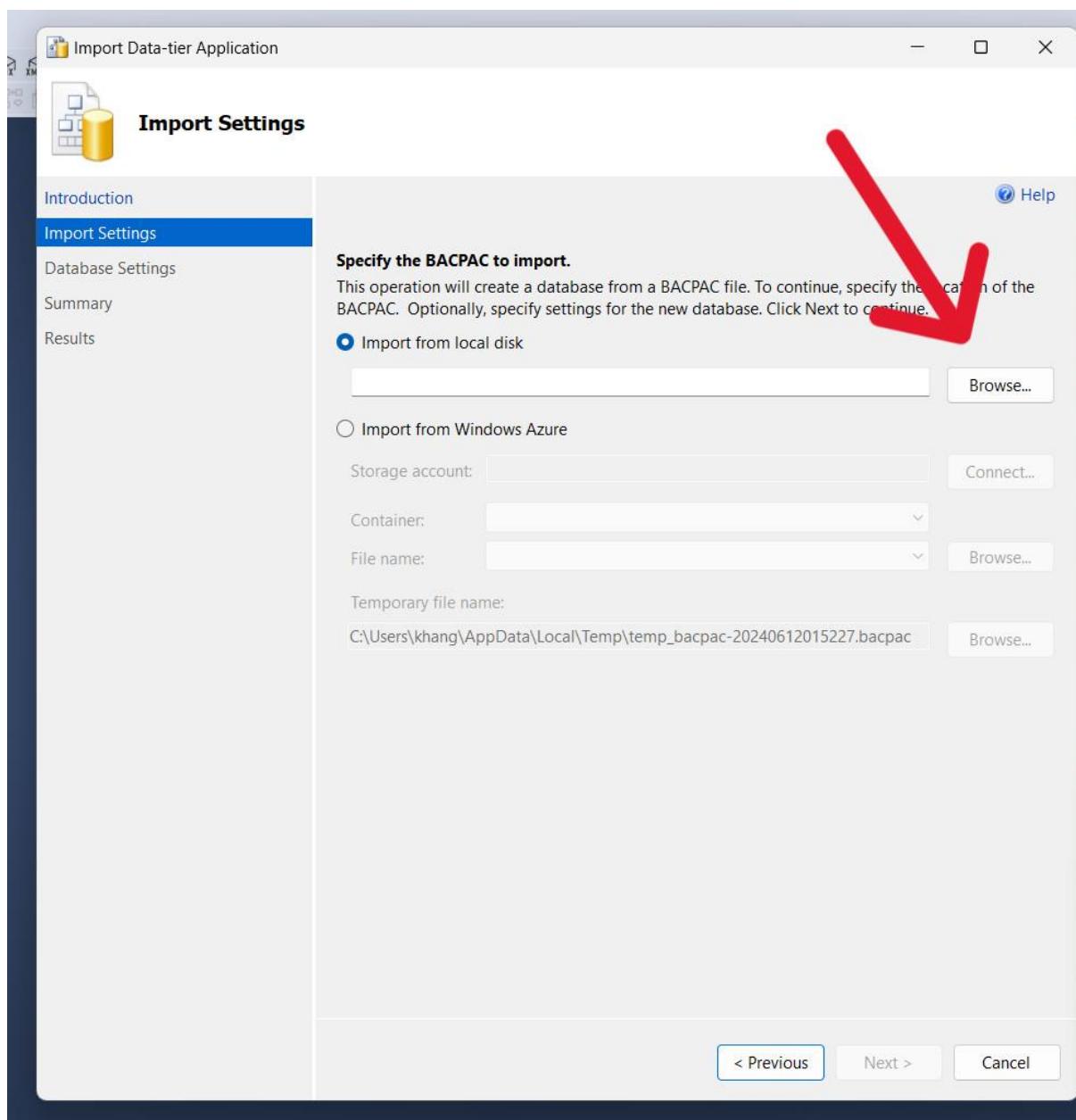


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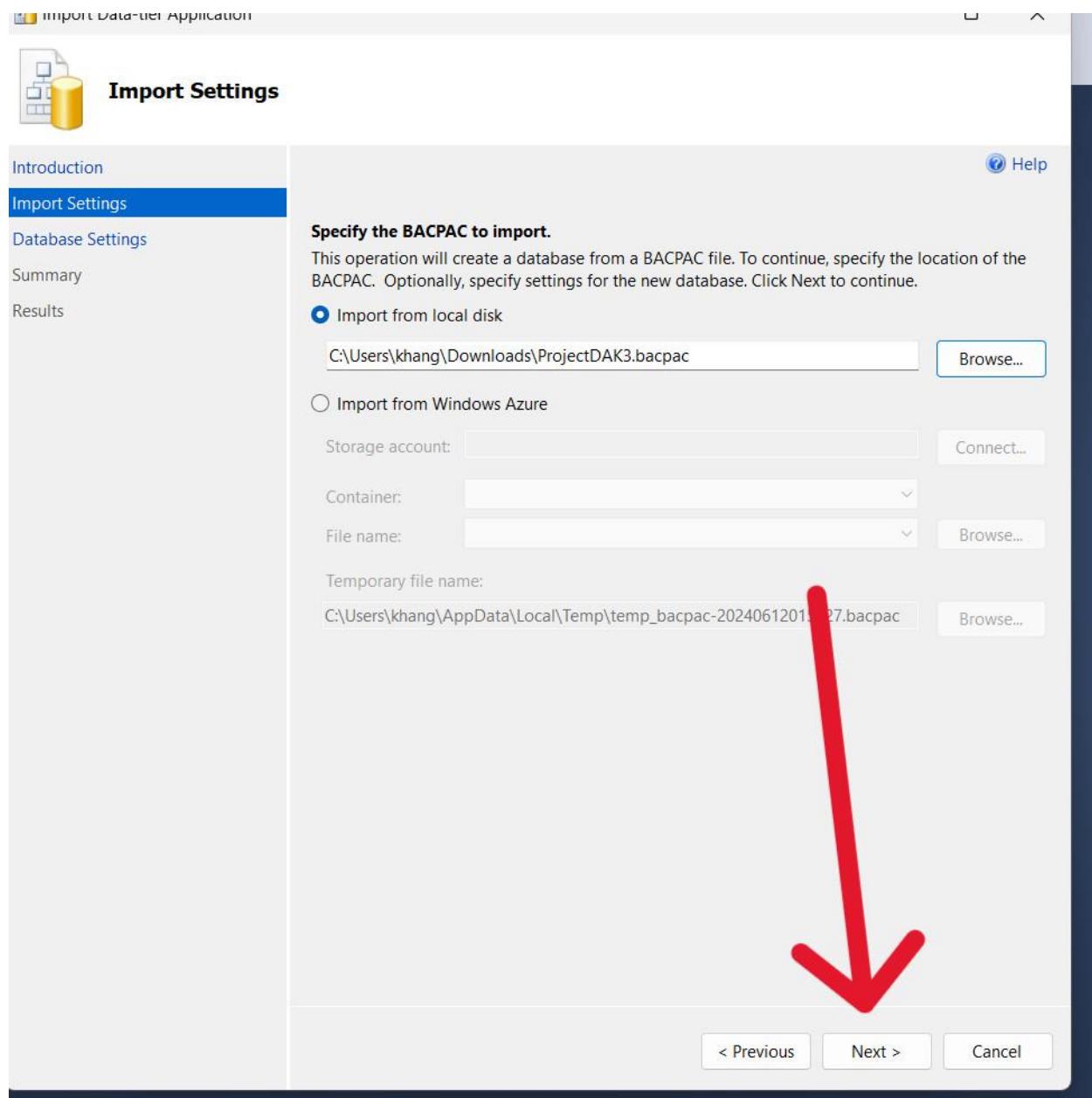


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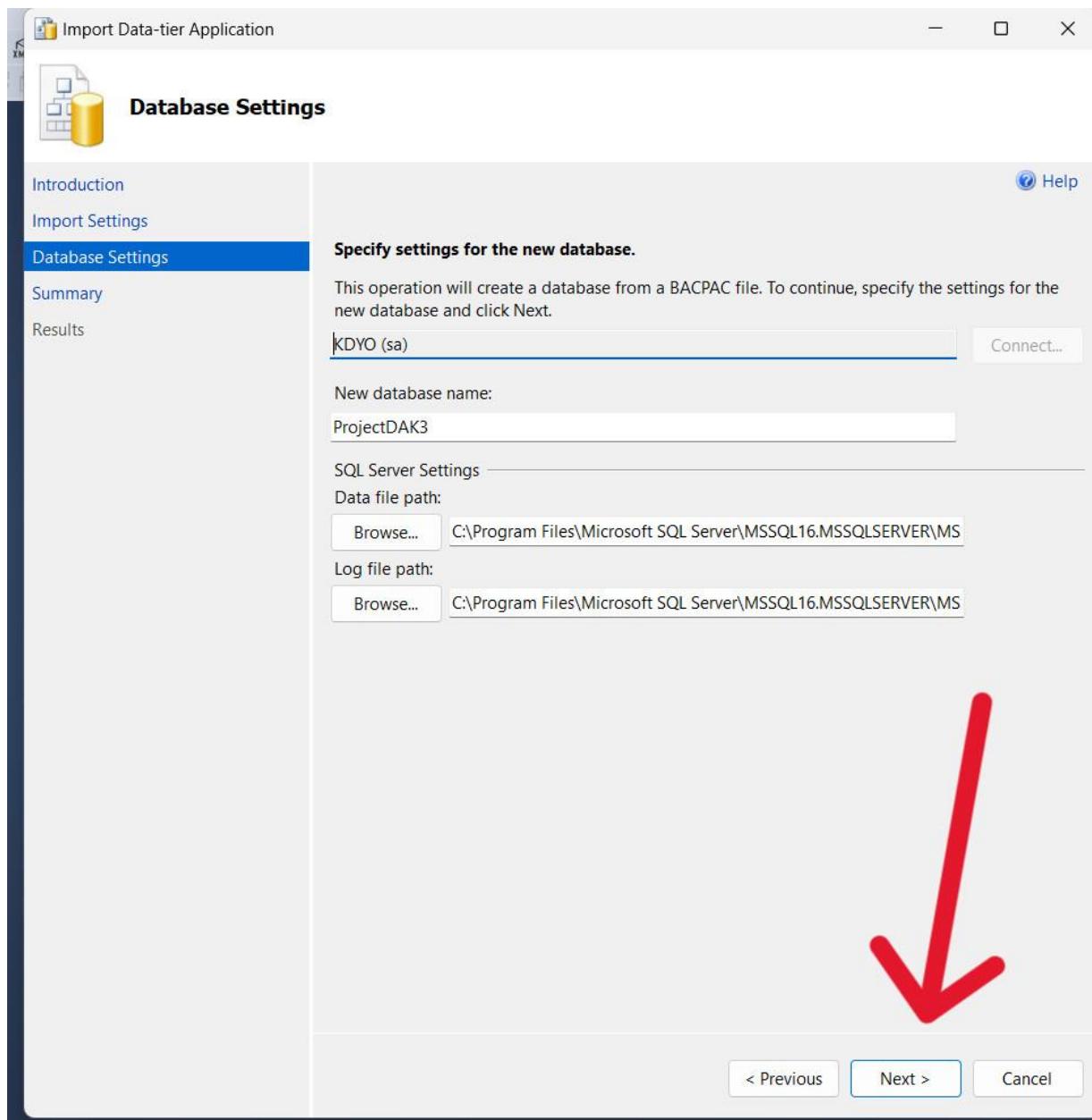


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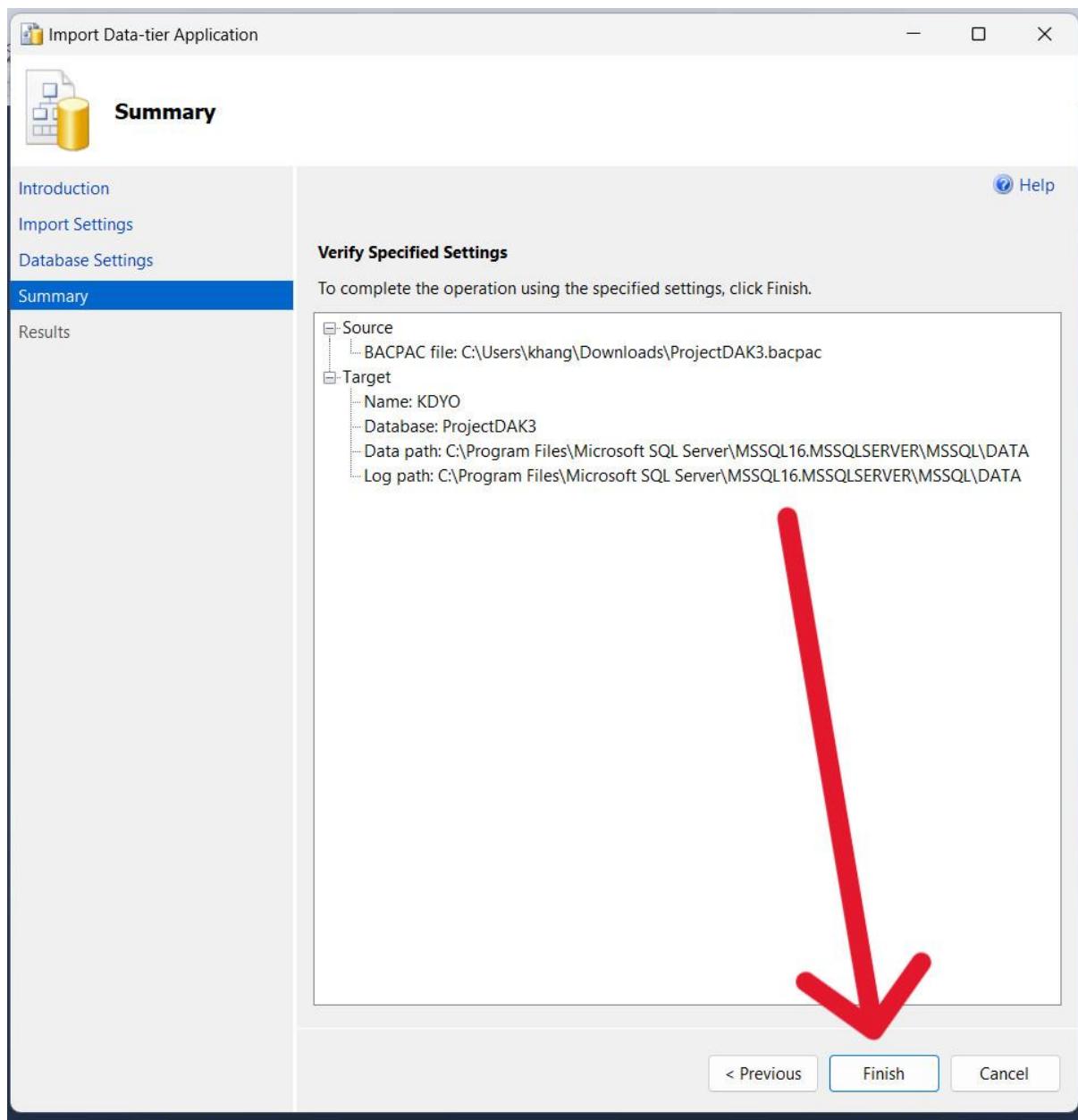


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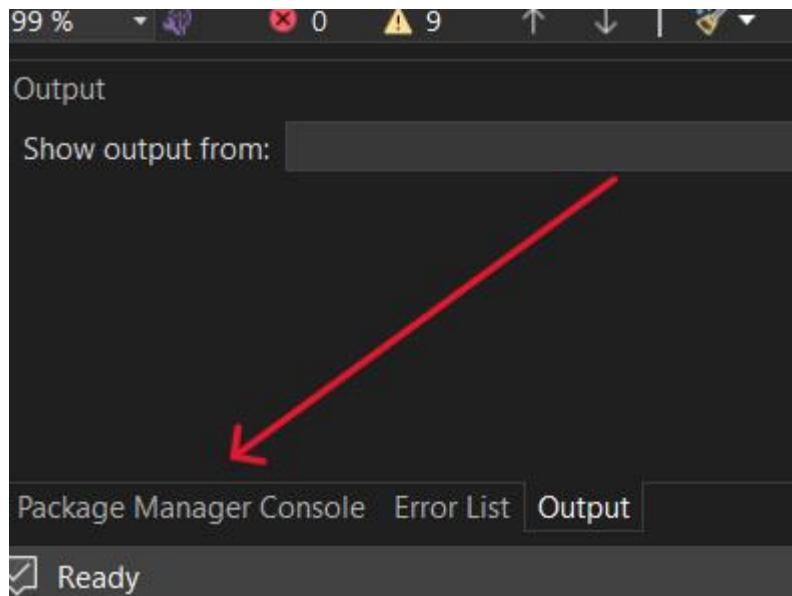
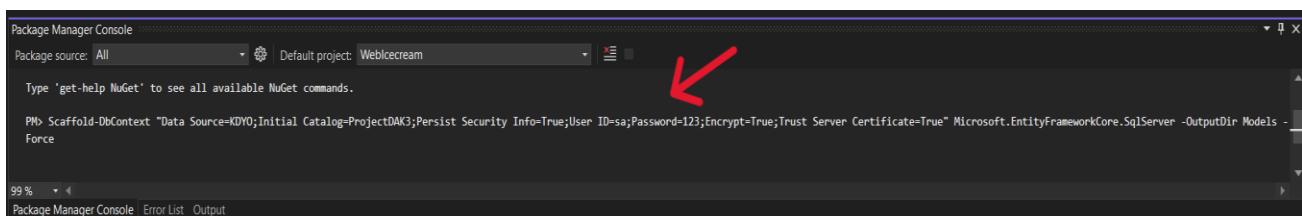
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The screenshot shows a software window titled "Import Data-tier Application". On the left, there's a sidebar with tabs: "Introduction", "Import Settings", "Database Settings", "Summary", and "Results". The "Results" tab is selected, indicated by a blue bar at the top of the list. The main area is titled "Operation Complete" with a green checkmark icon. Below it, a table titled "Summary:" lists various deployment steps with their results. A large red arrow points from the bottom right towards the "Success" column of the table.

Name	Result
Creating database on target	Success
Importing database	Success
Creating deployment plan	Success
Initializing deployment	Success
Verifying deployment plan	Success
Analyzing deployment plan	Success
Importing package schema and data into database	Success
Updating database	Success
Importing data	Success
Processing Import.	Success
Disabling indexes.	Success
Disabling index 'UC_Username'.	Success
Disabling index 'UQ_Users_A9D10534CD993501'.	Success
Processing Table '[dbo].[Books]'.	Success
Processing Table '[dbo].[Feedback]'.	Success
Processing Table '[dbo].[MembershipPackages]'.	Success
Processing Table '[dbo].[NewRecipes]'.	Success
Processing Table '[dbo].[Orders]'.	Success
Processing Table '[dbo].[Recipes]'.	Success
Processing Table '[dbo].[Roles]'.	Success
Processing Table '[dbo].[UserAccounts]'.	Success
Processing Table '[dbo].[Users]'.	Success
Enabling indexes.	Success
Enabling index 'UC_Username'.	Success
Enabling index 'UQ_Users_A9D10534CD993501'	Success

[< Previous](#) [Next >](#) [Close](#)

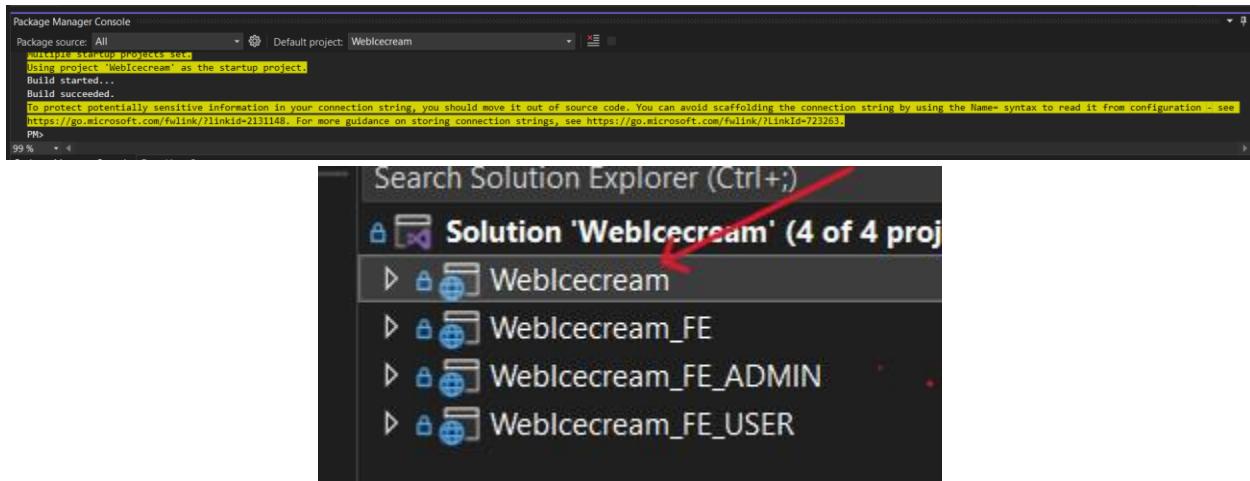
## 2. Import Project into Visual Studio

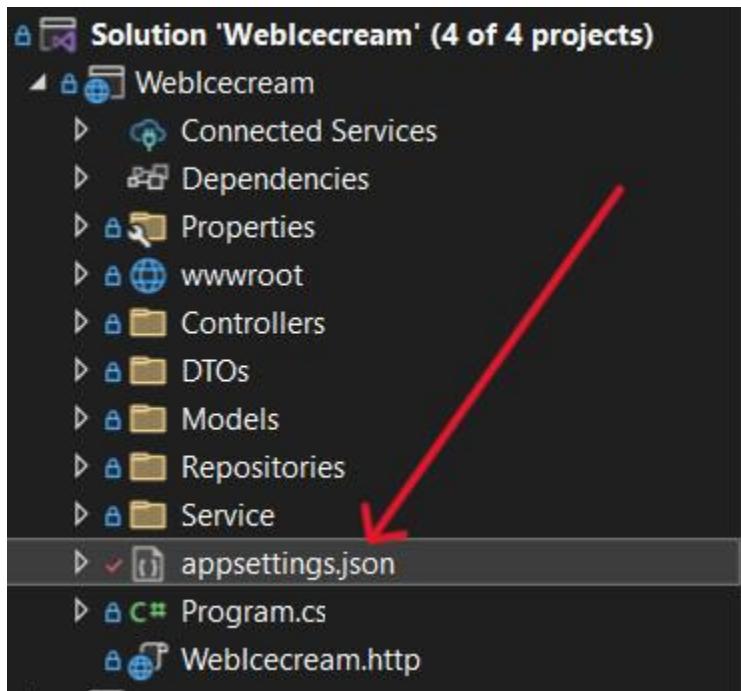
```
PM> Scaffold-DbContext "Data Source=KDY0;Initial Catalog=ProjectDAK3;Persist Security Info=True;User ID=sa;Password=123;Encrypt=True;Trust Server Certificate=True" Microsoft.EntityFrameworkCore.SqlServer -OutputDir Models -Force
```

Change Data Source, User ID, Password:

Scaffold-DbContext "Data Source=<.....>;Initial Catalog=ProjectDAK3;Persist Security Info=True;User ID=sa;Password=<.....>;Encrypt=True;Trust Server Certificate=True"  
Microsoft.EntityFrameworkCore.SqlServer -OutputDir Models –Force



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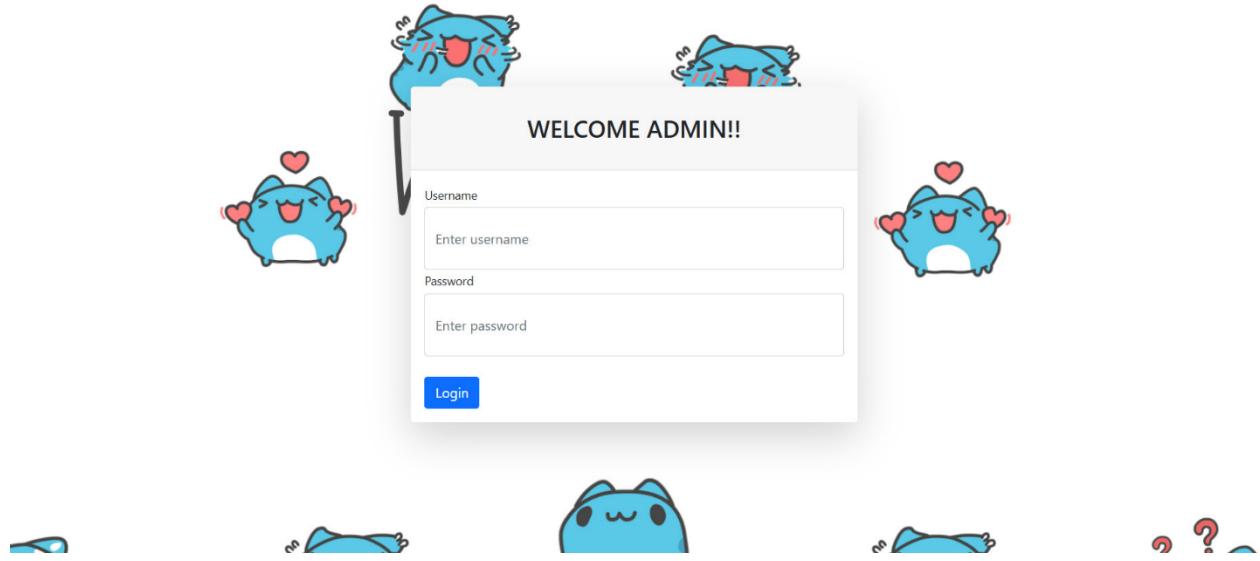
```
{  
  "ConnectionStrings": {  
    "WebIcecream": "Data Source=KDV0;Initial Catalog=ProjectDAK3;Persist Security Info=True;User ID=sa;Password=123;Encrypt=True;Trust Server Certificate=True"  
  },  
}
```

change Data Source, Password

### 3. Run Web Application (Web Admin):

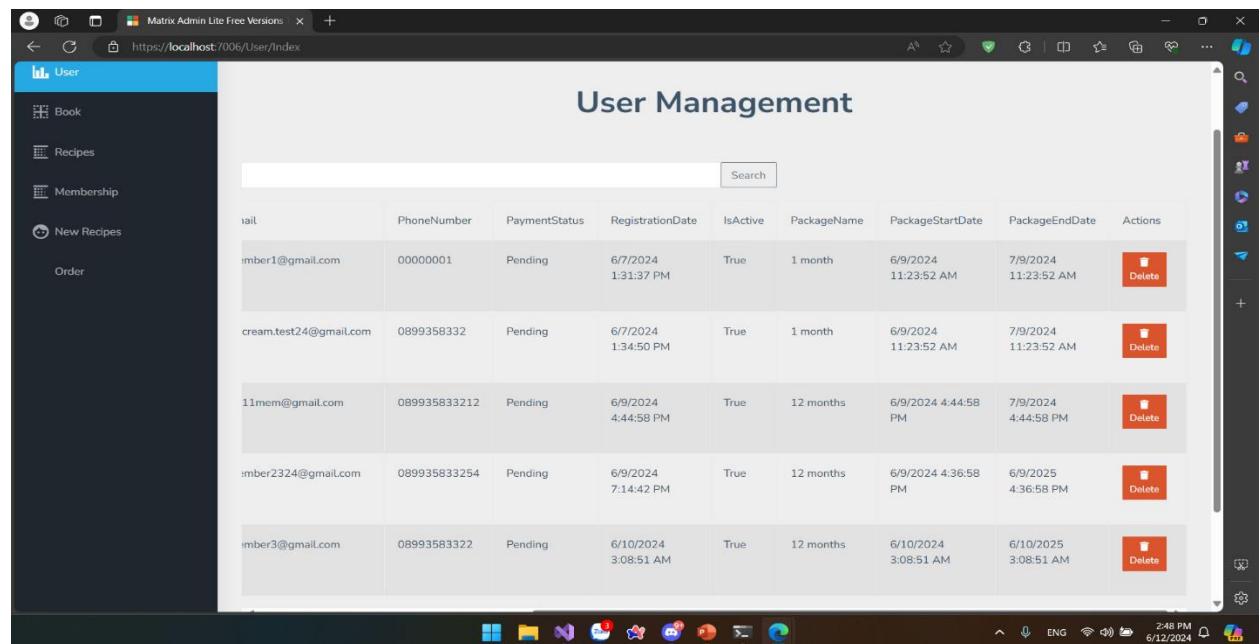
a. Login

Login Admin Account



b. Manage Information of User/Book/Recipe/Membership/NewRecipe/Orders.

### User



The screenshot displays a "User Management" page from a Matrix Admin Lite Free Version application. The left sidebar has a dark theme with navigation links: "User" (selected), "Book", "Recipes", "Membership", "New Recipes", and "Order". The main content area is titled "User Management" and shows a table of user data. The columns are: Email, PhoneNumber, PaymentStatus, RegistrationDate, IsActive, PackageName, PackageStartDate, PackageEndDate, and Actions. There are five user entries listed:

Email	PhoneNumber	PaymentStatus	RegistrationDate	IsActive	PackageName	PackageStartDate	PackageEndDate	Actions
member1@gmail.com	00000001	Pending	6/7/2024 1:31:37 PM	True	1 month	6/9/2024 11:23:52 AM	7/9/2024 11:23:52 AM	<button>Delete</button>
cream.test24@gmail.com	0899358332	Pending	6/7/2024 1:34:50 PM	True	1 month	6/9/2024 11:23:52 AM	7/9/2024 11:23:52 AM	<button>Delete</button>
11mem@gmail.com	089935833212	Pending	6/9/2024 4:44:58 PM	True	12 months	6/9/2024 4:44:58 PM	7/9/2024 4:44:58 PM	<button>Delete</button>
member2324@gmail.com	089935833254	Pending	6/9/2024 7:14:42 PM	True	12 months	6/9/2024 4:36:58 PM	6/9/2025 4:36:58 PM	<button>Delete</button>
member3@gmail.com	08993583322	Pending	6/10/2024 3:08:51 AM	True	12 months	6/10/2024 3:08:51 AM	6/10/2025 3:08:51 AM	<button>Delete</button>

### Book list

### HỆ THỐNG ĐÀO TẠO LẬP TRÌNH VIÊN QUỐC TẾ APTECH

Matrix Admin

### Product List

#	Title	Description	Image	Price	Actions
2	chocola vani 123	super sweet		\$12.00	<button>Edit</button> <button>Delete</button>
3	book2	123		\$111.111.00	<button>Edit</button> <button>Delete</button>
4	book 3	123		\$123.00	<button>Edit</button> <button>Delete</button>
5	book3	123		\$123.00	<button>Edit</button> <button>Delete</button>

### Create book

Matrix Admin

### Create Product

Title

Description

Paragraph **B** *I*             

Price

Image

Không tệp nào được chọn

Create

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### Edit book

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Matrix Admin

## Edit

Title: chocola vani 123

Description:

super sweet



2:49 PM 6/12/2024

## Recipes list

Matrix Admin Lite Free Versions

## Recipe Management

+ Create New

RecipeID	Flavor	Ingredients	Procedure	ImageUrl	Actions
6	chocola	123	123		<a href="#">Edit</a> <a href="#">Delete</a>
7	chocolaaaa1	123	123		<a href="#">Edit</a> <a href="#">Delete</a>
8	chocola 2	123	123		<a href="#">Edit</a> <a href="#">Delete</a>
9	123	123	123		<a href="#">Edit</a> <a href="#">Delete</a>

2:49 PM 6/12/2024

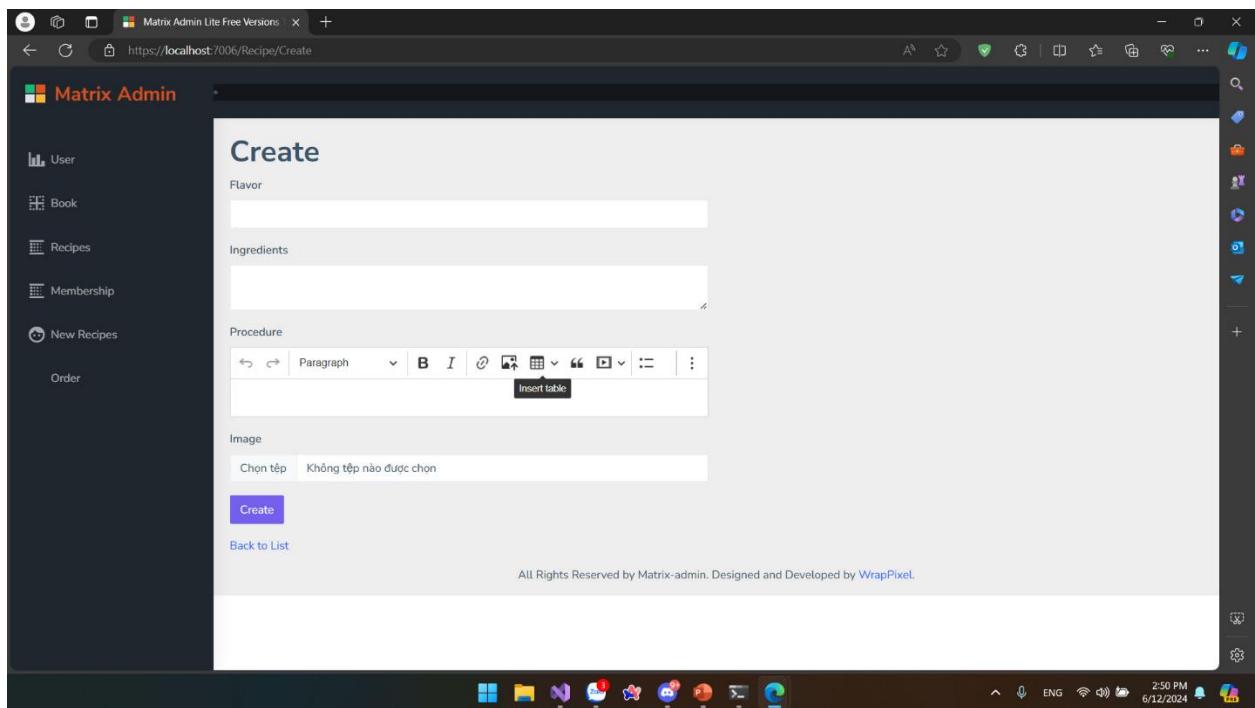
## Create Recipe

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Matrix Admin

## Create

Flavor

Ingredients

Procedure

Image

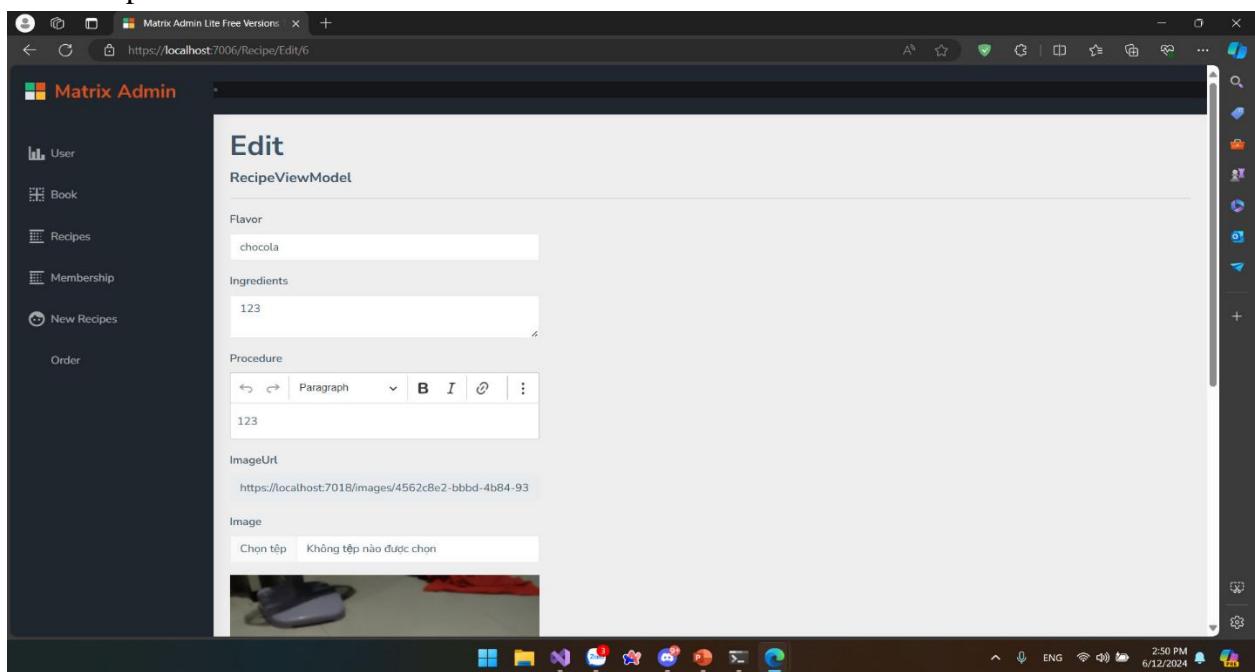
Chọn tệp Không tệp nào được chọn

Create

Back to List

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## Edit Recipe



Matrix Admin

## Edit

RecipeViewModel

Flavor

chocola

Ingredients

123

Procedure

123

ImageUrl

https://localhost:7018/images/4562c8e2-bbbd-4b84-93

Image

Chọn tệp Không tệp nào được chọn

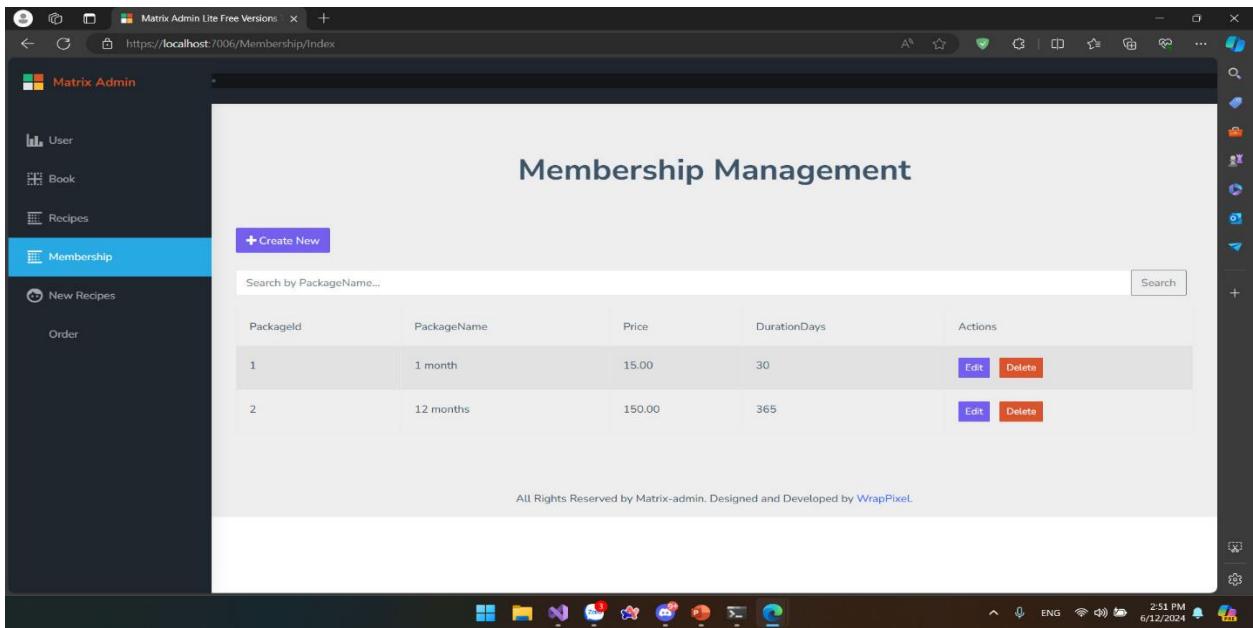
## Membership list

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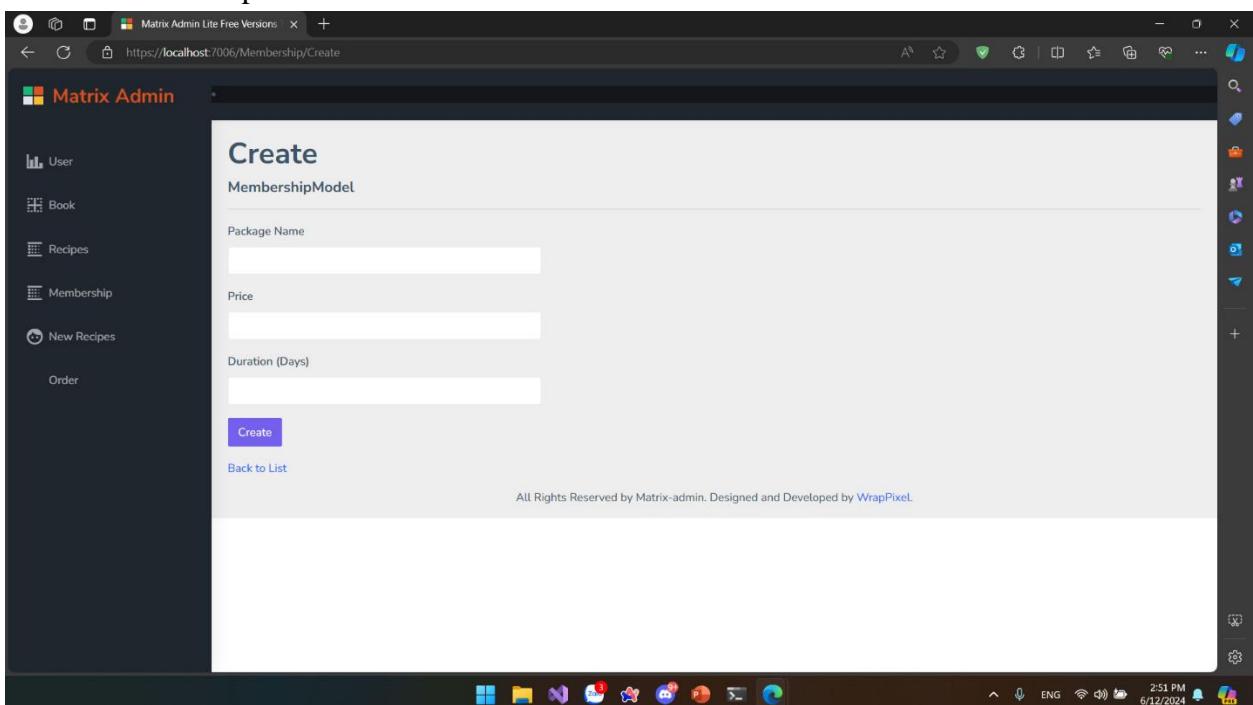


The screenshot shows a dark-themed web application interface titled "Matrix Admin". On the left, a sidebar menu includes "User", "Book", "Recipes", "Membership" (which is highlighted in blue), "New Recipes", and "Order". The main content area is titled "Membership Management" and displays a table of membership packages. The table has columns: PackageId, PackageName, Price, DurationDays, and Actions (with "Edit" and "Delete" buttons). Two packages are listed:

PackageId	PackageName	Price	DurationDays	Actions
1	1 month	15.00	30	<a href="#">Edit</a> <a href="#">Delete</a>
2	12 months	150.00	365	<a href="#">Edit</a> <a href="#">Delete</a>

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### Create Membership



The screenshot shows the "Create" page for a "MembershipModel". The sidebar menu is identical to the previous screenshot. The main form has three input fields: "Package Name" (with a placeholder " "), "Price" (with a placeholder " "), and "Duration (Days)" (with a placeholder " "). Below the form is a "Create" button and a "Back to List" link. A note at the bottom states: "All Rights Reserved by Matrix-admin. Designed and Developed by WrapPixel."

### Edit Membership

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Matrix Admin

## Edit

MembershipModel

PackageId	1
PackageName	1 month
Price	15.00
DurationDays	30

[Save](#)

[Back to List](#)

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## List & Approve New Recipe

Matrix Admin

## Recipe Management

RecipId	Flavor	Ingredients	Procedure	ImageUrl	Status	
3	chocola	123	123		approved	
4	chocola1	test1	123		waiting	<a href="#">✓ Approve</a>
5	123	123	123		waiting	<a href="#">✓ Approve</a>
6	122	122	122		waiting	<a href="#">✓ Approve</a>

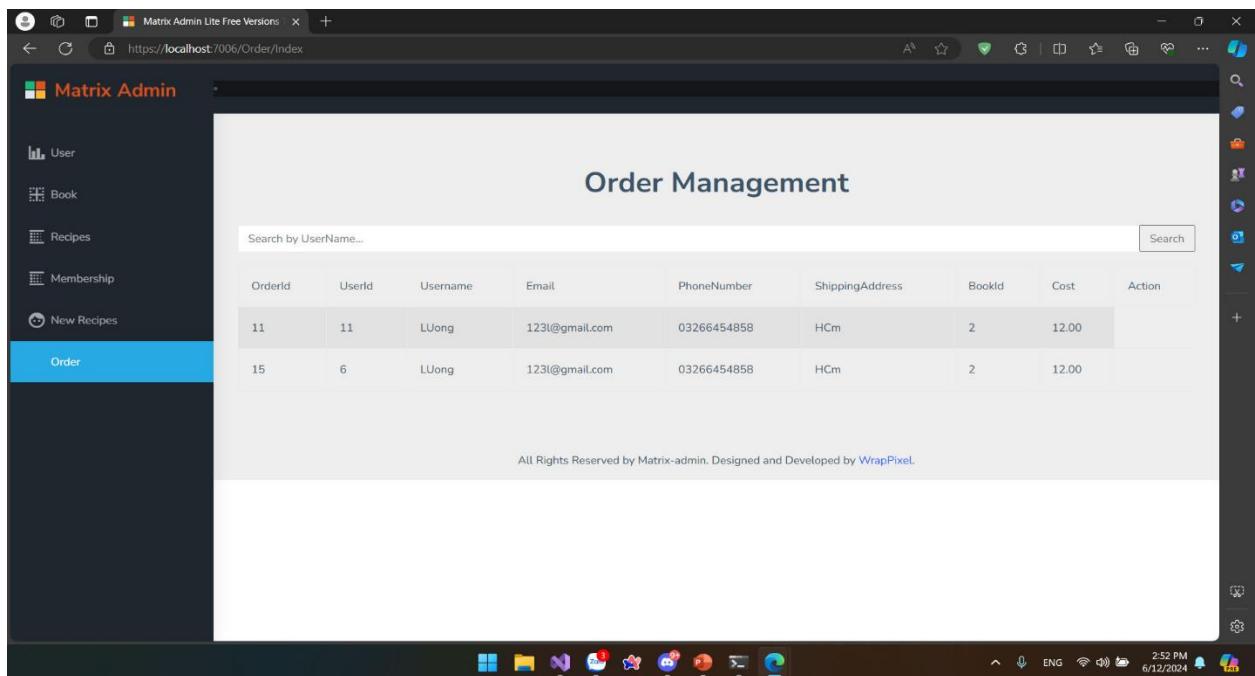
## Order list

### HỆ THỐNG ĐÀO TẠO LẬP TRÌNH VIÊN QUỐC TẾ APTECH



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The screenshot shows a web-based administration interface titled "Matrix Admin". On the left is a sidebar with icons for User, Book, Recipes, Membership, New Recipes, and Order. The Order icon is highlighted in blue. The main area is titled "Order Management" and contains a table with two rows of order data. The columns are OrderId, UserId, Username, Email, PhoneNumber, ShippingAddress, BookId, Cost, and Action. The data in the table is as follows:

OrderId	UserId	Username	Email	PhoneNumber	ShippingAddress	BookId	Cost	Action
11	11	LUong	123@gmail.com	03266454858	HCM	2	12.00	
15	6	LUong	123@gmail.com	03266454858	HCM	2	12.00	

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#### 4. Run Web Application (Web User):

##### a. Home Page:



The screenshot shows the homepage of the "iCREAM" website. The header features a pink navigation bar with links for FAQs, Help, Support, Home, About, Product, Recipe, Contact, and Account. The main visual is a large image of several ice cream cones filled with different flavors like strawberry, blueberry, pistachio, and white chocolate, garnished with fresh fruit and nuts. The text "TRADITIONAL & DELICIOUS" and "Made From Our Own Organic Milk" is overlaid on the image. A pink "Learn More" button is located at the bottom center of the image.

##### b. Login

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Please login to your account

Username

Password

iCREAM

c. Register

https://localhost:7221/Auth/Register

Username

Password

FullName

Dob  nn/mm/yyyy

Address

Gender

Email

PhoneNumber

Packageld  -- Select Package --

d. Personal Information/Change Password/ Personal Order

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The screenshot shows two browser windows side-by-side. The left window is titled 'Edit' and displays a form for updating user information. The right window is titled 'User Details' and shows the current profile information.

**Edit (Left Window):**

- FullName: Truong khang dy
- Dob: 31/05/2024 12:00 SA
- Address: HCM
- Gender: Male
- Email: a@gmail.com
- PhoneNumber: 2873930732
- PackageName: 1 month

**User Details (Right Window):**

Full Name	Truong khang dy
Date of Birth	31/05/2024 12:00:00 SA
Address	HCM
Gender	male
Email	a@gmail.com
Phone Number	2873930732
Payment Status	Pending
Registration Date	12/06/2024 2:57:28 CH
Active Status	<input checked="" type="checkbox"/>

Buttons at the bottom of the details view:

- Edit
- Change Password
- View Orders

### HỆ THỐNG ĐÀO TẠO LẬP TRÌNH VIÊN QUỐC TẾ APTECH



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**Change Your Password**

Username: khangdy

OldPassword:

NewPassword:

ConfirmNewPassword:

Save

Back to Profile

Username	Email	PhoneNumber	ShippingAddress	BookId	Cost
khangd	fa@gmail.com	0867757858	HCM	2	12,00

**iCREAM**

Order

Username	Email	PhoneNumber	ShippingAddress	BookId	Cost
khangd	fa@gmail.com	0867757858	HCM	2	12,00

**iCREAM**

Get In Touch | Opening Hours

123 Street, New York, USA  
+012 345 67890

Mon – Sat, 8AM – 5PM  
Sunday: Closed

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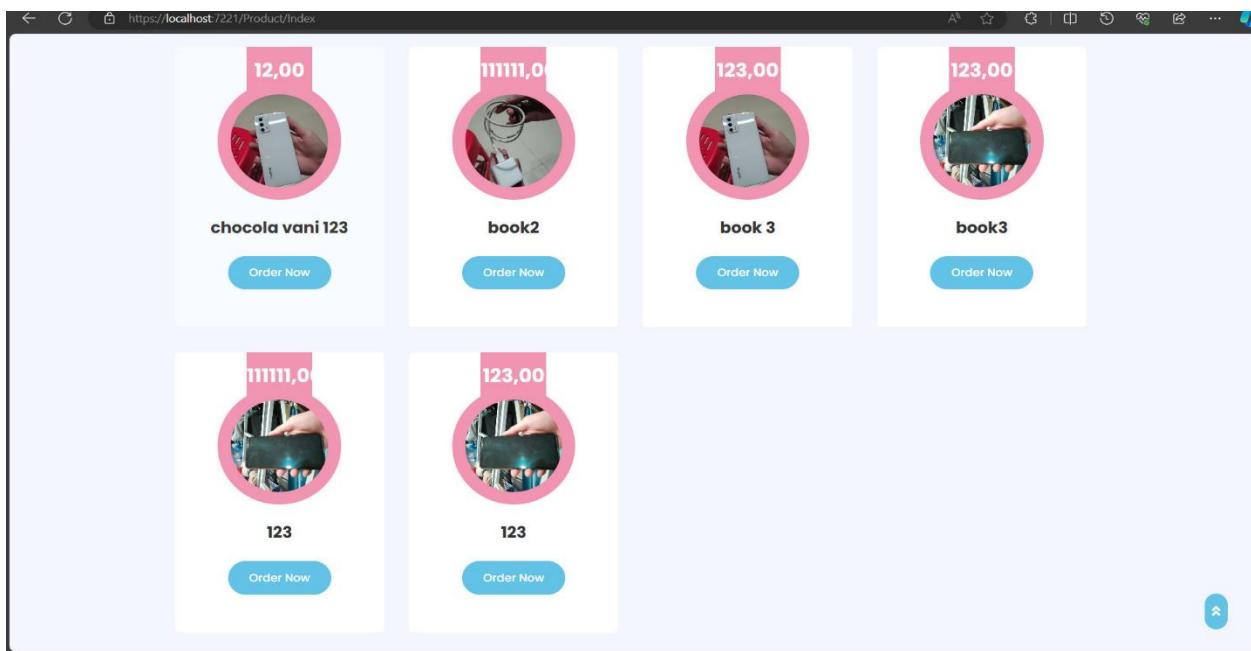
e. Product book

**HỆ THỐNG ĐÀO TẠO LẬP TRÌNH VIÊN QUỐC TẾ APTECH**

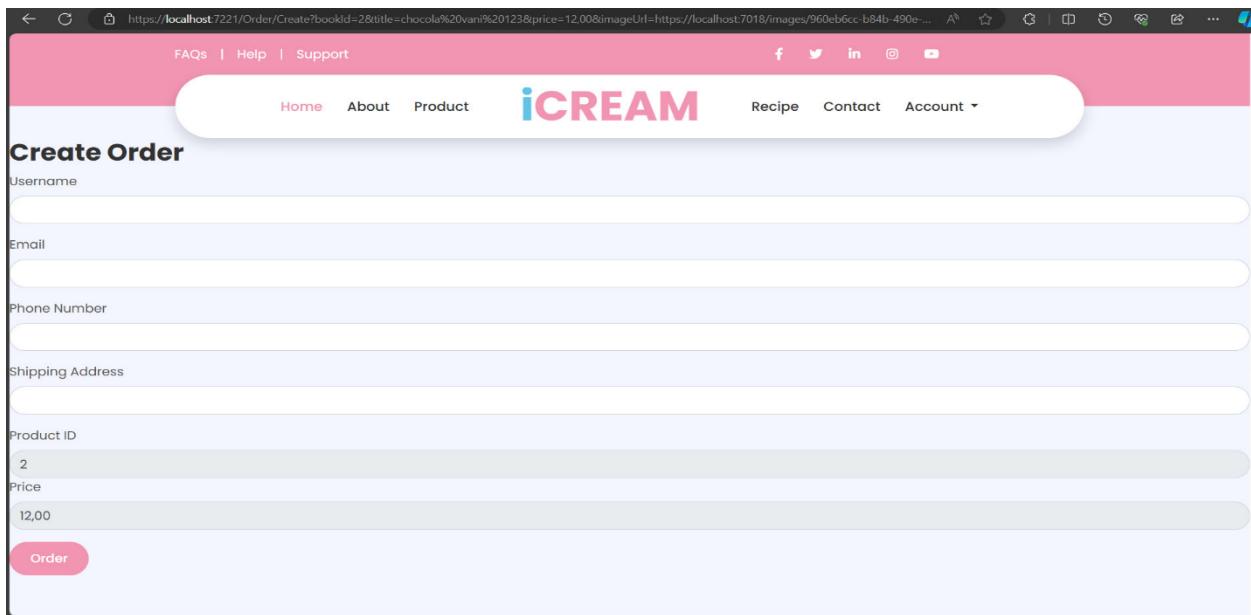


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#### f. Order book



https://localhost:7221/Order/Create?bookId=2&title=chocola%20vani%20123&price=12.00&imageUrl=https://localhost:7018/images/960eb6cc-b84b-490e-...  
 Home | About | Product | **iCREAM** | Recipe | Contact | Account ▾

**Create Order**

Username

Email

Phone Number

Shipping Address

Product ID  
 2

Price  
 12,00

**Order**

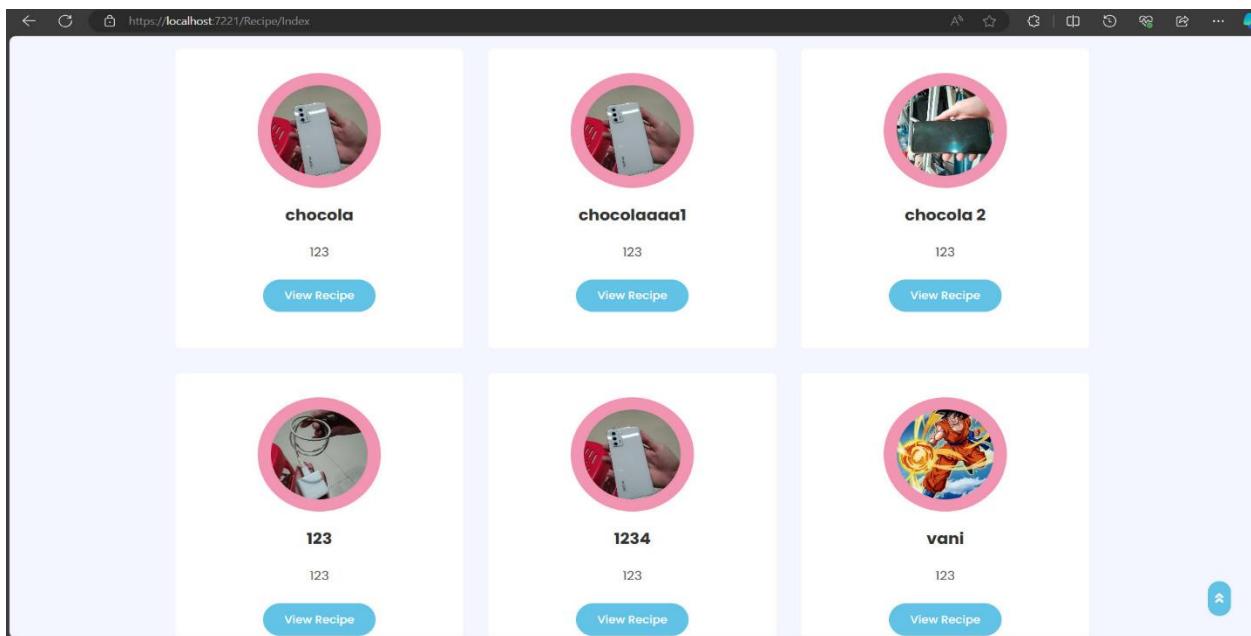
#### g. Recipe

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## h. View Recipe



**The Best (and Easiest) Ice Cream You'll Ever Make**

**Ingredients**

- 1½ cups heavy cream
- ¼ cup whole milk
- ¾ cup sugar
- ? teaspoon fine sea salt
- 1 tablespoon vanilla extract or 1 vanilla bean split in half lengthwise or
- Optional: 2 cups of add-ins – soft brownies, cookies, and blondies work great

**Instructions**

- Pour 1 cup of the cream into a saucepan and add the sugar, salt. Scrape the seeds of the vanilla bean into the pot and then add the vanilla pod to the pot. Warm the mixture over medium heat, just until the sugar dissolves. Remove from the heat and add the remaining cream, milk, and vanilla extract (if using extract). Stir to combine and chill in the refrigerator.
- When ready to churn, remove the vanilla pod, whisk mixture again and pour into ice cream maker. Churn according to the manufacturer's instructions. Transfer the finished ice cream to an airtight container and place in the freezer until ready to serve. Enjoy!

**Delicious Recipes for Ice Cream Lovers**

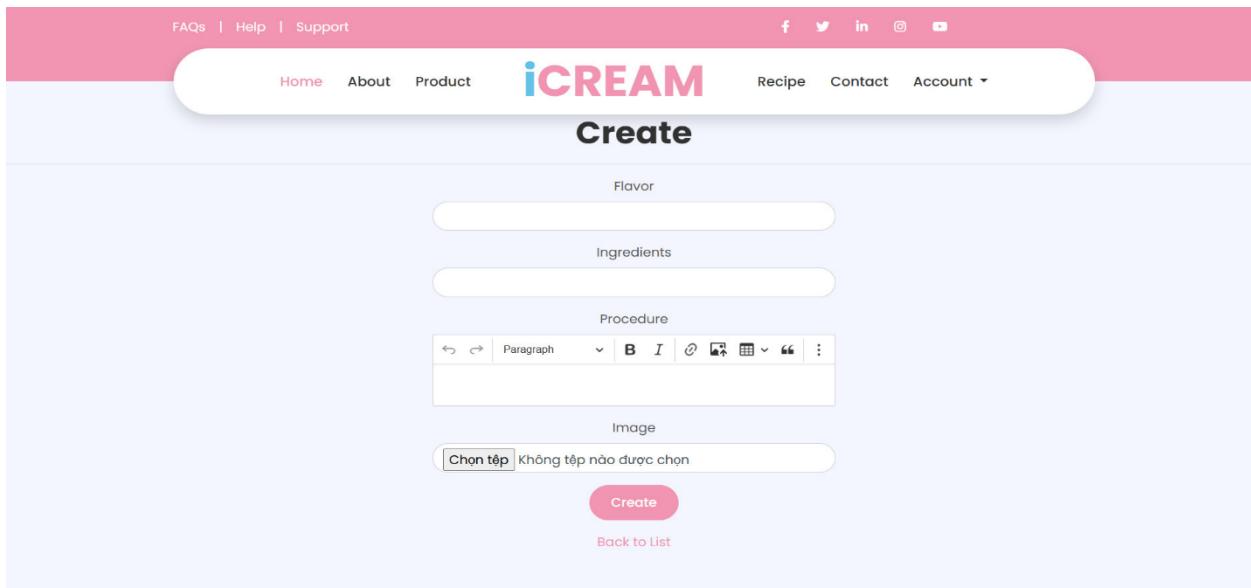
## i. Create New recipe

HỆ THỐNG ĐÀO TẠO LẬP TRÌNH VIÊN QUỐC TẾ APTECH



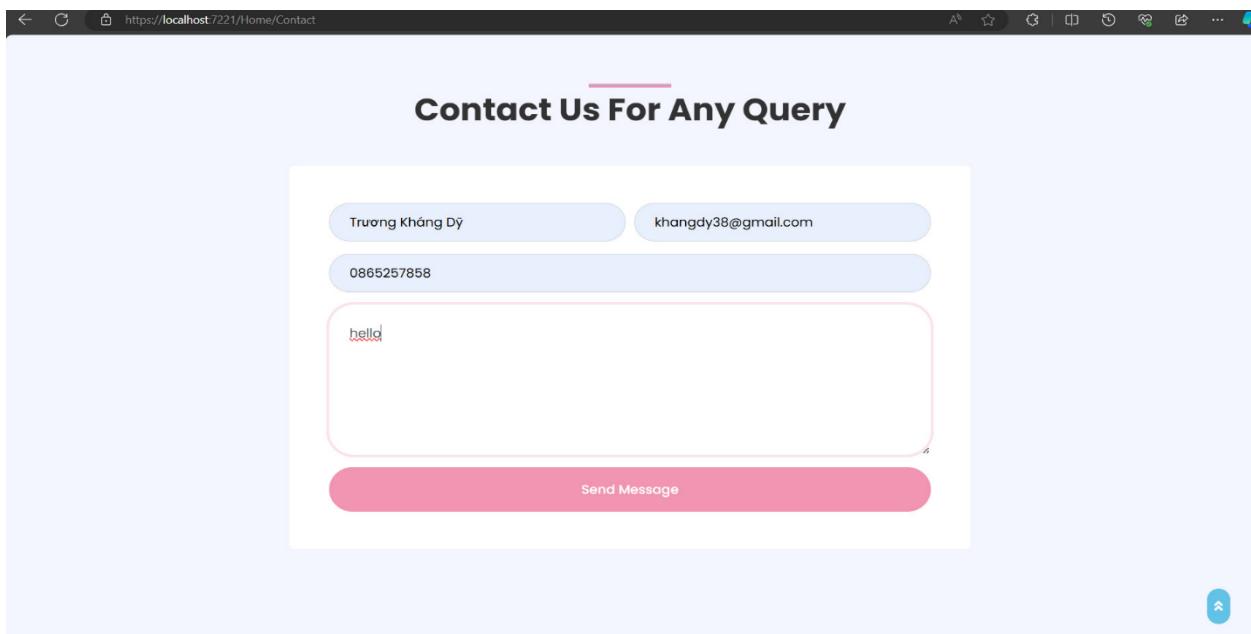
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The screenshot shows a web-based application for creating recipes. At the top, there is a navigation bar with links for FAQs, Help, Support, Home, About, Product, and a search bar labeled "iCREAM". Below the search bar, there are tabs for Recipe, Contact, and Account. The main content area is titled "Create" and contains fields for "Flavor" (with a text input field), "Ingredients" (with a text input field), "Procedure" (with a rich text editor toolbar), and "Image" (with a file upload input field showing "Chọn tệp" and "Không tệp nào được chọn"). A "Create" button is located at the bottom left of the form, and a "Back to List" link is at the bottom right.

#### j. Contact Us Page

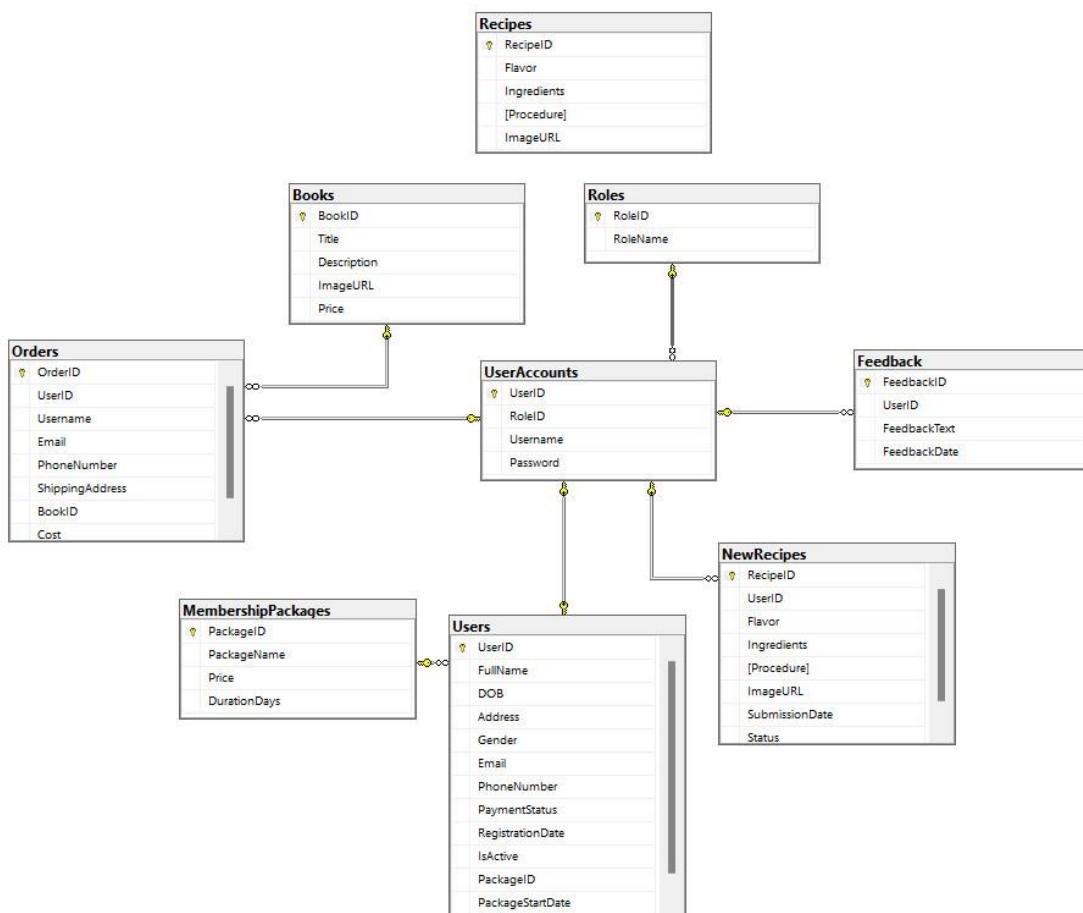


The screenshot shows a contact form titled "Contact Us For Any Query". It features two input fields: one for "Trương Kháng Dỹ" with the email "khangdy38@gmail.com" and another for "0865257858". Below these is a large text input field containing the message "hello". At the bottom is a pink "Send Message" button. The URL in the browser address bar is "https://localhost:7221/Home/Contact".

### 5. Database

#### a. ER Diagram

### HỆ THỐNG ĐÀO TẠO LẬP TRÌNH VIÊN QUỐC TẾ APTECH



### b. Detail of Tables

#### HỆ THỐNG ĐÀO TẠO LẬP TRÌNH VIÊN QUỐC TẾ APTECH

Tables Name	Colum Name	Data Type	Primary Key	Constraint Check Column	Foreign Key Of Table	Description
Role	RoleID	int	yes	Not null	UserAccount	Admin or User
	RoleName	nvarchar(50)		Not null		
User	UserID	int	yes	Not null	NewRecipes, Order, Feedback	Information of user
	FullName	nvarchar(255)				
	DOB	datetime				
	Address	nvarchar(500)				
	Gender	nvarchar(50)				
	Email	varchar(100)		Not null		
	PhoneNumber	varchar(20)				
	PaymentStatus	varchar(10)				
	RegistrationDate	datetime				
	IsActive	bit		Not null		
	PackageID	int			Membership	
	PackageStartDate	datetime				
	PackageEndDate	datetime				
	UserID	int	yes	Not null	User	
UserAccount	RoleID	int			Role	User's account information is managed by the admin
	Username	varchar(50)				
	Password	varchar(255)				
	BookID	int	yes	Not null	Order	
Book	Title	varchar(100)		Not null		Information of book
	Description	text				
	ImageURL	varchar(255)				
	Price	decimal(10, 2)		Not null		
Membership	PackageID	int	yes	Not null	User	User Membership
	PackageName	nvarchar(50)		Not null		
	Price	decimal(10, 2)		Not null		
	DurationDays	int		Not null		
NewRecipes	RecipeID	int		Not null		New Recipe Created by User
	UserID	int		Not null	User	
	Flavor	varchar(50)		Not null		
	Ingredients	text		Not null		
	[Procedure]	text		Not null		
	ImageURL	varchar(255)				
	SubmissionDate	datetime		Not null		
Recipes	Status	varchar(50)				
	RecipeID	int	yes	Not null		New Recipe Created by Admin
	Flavor	varchar(50)		Not null		
	Ingredients	text		Not null		
	[Procedure]	text		Not null		
Order	ImageURL	varchar(255)				
	OrderID	int	yes	Not null		User's order information
	UserID	int		Not null	User	
	Username	varchar(50)		Not null		
	Email	varchar(100)		Not null		
	PhoneNumber	varchar(20)		Not null		
	ShippingAddress	nvarchar(500)		Not null		
Feedback	BookID	int		Not null	Book	
	Cost	decimal(10, 2)		Not null		
	FeedbackID	int	yes	Not null		
	UserID	int		Not null	User	
	FeedbackText	text		Not null		
	FeedbackDate	date		Not null		

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