

# Drug Management System

## Mini-Project

By

**-Anmol Sharma**

**-AS65531**

### System Specifications:

#### 1. Software Requirements:

- Operating System : Windows 10
- Software : ASP. NET Core
- Data Base : Sql Server

#### 2. Hardware Requirements:

- RAM : 16 GB
- Processor : i-7 Processor
- SSD :1 TB

### Modules Overview:

1. **Employees Information Module:** This module handles the information of all the employees working in the organization. Each employee has an authorized [post designation](#) and a specific department. When the drug management system is executed, this module handles the complete transaction relations that arise to meet the requirements of the organization.

2. **Department Information Module:** This module contains the department present in the Drug Lab and Every department has different functionalities on Drugs as per the Drug's Planning and Manufacturing step goes on.

3. **Drug Information Module:** This module manages all the info, data and records related to all the drugs that are scheduled to be investigated within the system. It integrates itself with all the key parts of the organization where drugs are associated. It further cross checks its reference with the scheduled reaction agents of a particular drug and confirms the allergies that may arise upon usage.

4. **Allergic Information Module:** This module is essential to check if under the drug trials any allergic reaction comes out within the system. It manages the information and data of all the allergies and their corresponding anti-allergic medicines. It also handles the info related to the different signs and symptoms upon which the drug should be used.

5. **Drug Trials Information Module:** Some drugs are under the trial registry of Drug Management System software, and this module handles the information there within, this includes the drug trials starting date and ending date. It further keeps track of the people who are involved in trial participation.

6. **Individual Trials Information Module:** After the individuals have participated in trial participation, their records are kept in a secured format within the system software. Only specific information or result of the trial participation are allowed to be viewed by the participating individual.

7. **Drug Trial History Module:** This module handles the results or information coming after cross checking the history of drug trials. It also notifies the organization to keep track of the system's executional future plans.

## Project Flow:

## Code First Approach

Created Entity-First POCO Classes(Models)

Planned Configuration mapping and created DbContext

Created Migration

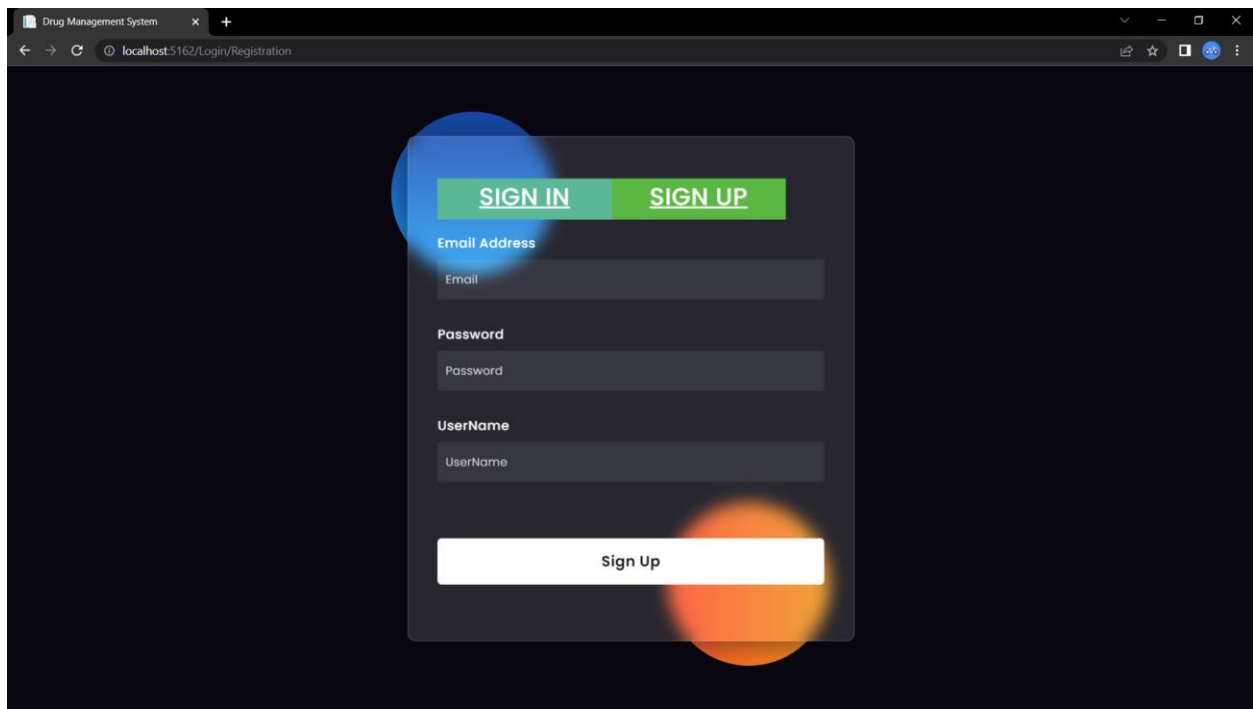
## Database Creation

Created Controller for all models(entity)

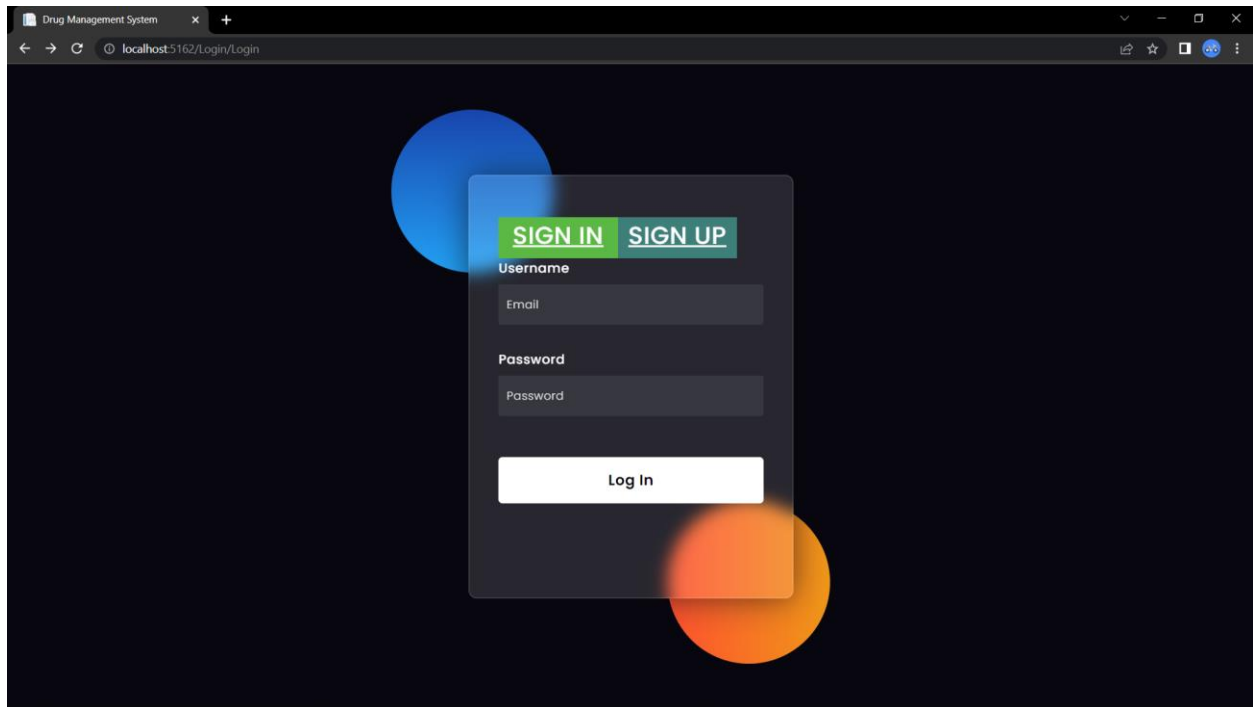
Created Views and UI

## ScreenShots:

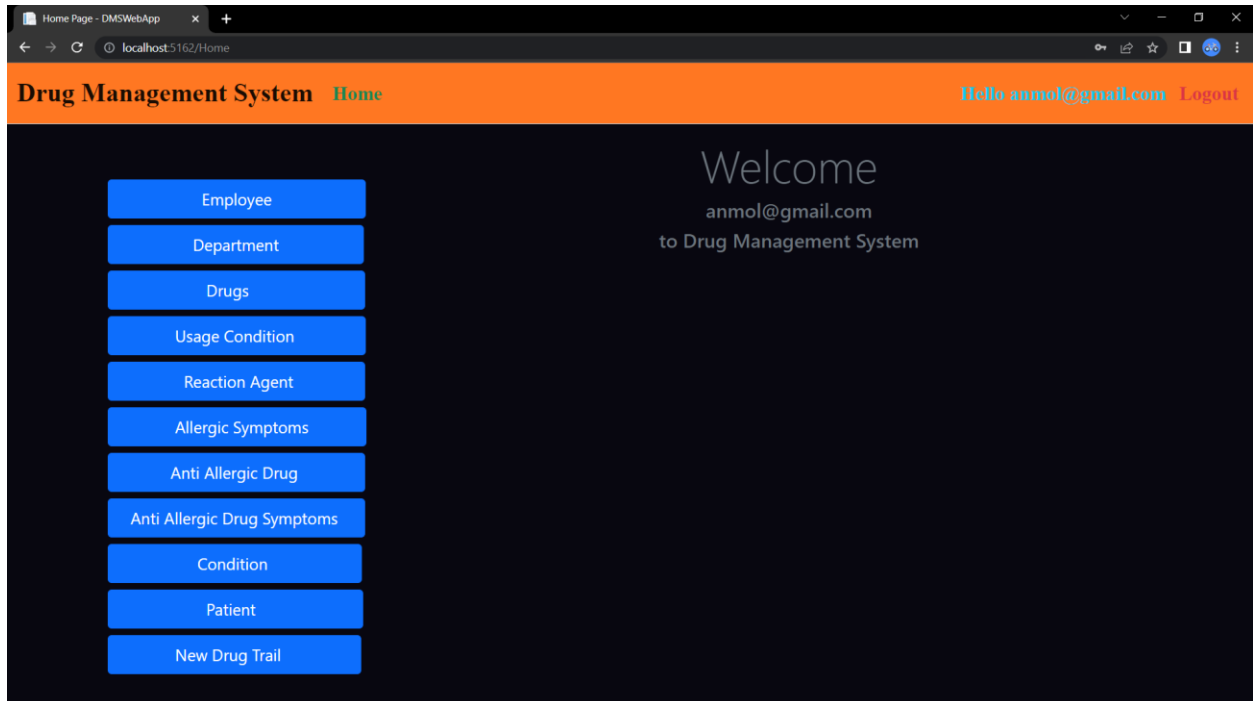
Sign Up Page:



Sign In Page:



## Dashboard Page:



# Employee List-View:

Employee-View

Employee Registration

EmployeeId	Name	DOB	Address	MobileNumber	Email	Gender	DOJ	DepartmentName	Designation
1	Anmol Sharma	22-02-2000	Kharagpur	8167500822	anmolsharma2202@gmail.com	Male	21-05-2014	R&D	Jr.Researcher <a href="#">Details</a>
2	Mickey	21-01-1995	Pune	9148584434	mickey@hotmail.uk	Male	13-12-2019	CLINICAL PATHOLOGY	LIS specialists <a href="#">Details</a>
3	Sherlyn	12-12-1992	Bangalore	9244234243	shryl@gmail.com	Female	22-10-2015	SAL	Pathologist <a href="#">Details</a>
4	Akriti	10-02-1998	Delhi	9484828589	akriti@yahoo.com	Female	03-03-2020	MOLECULAR PATHOLOGY	Jr.Researcher <a href="#">Details</a>

# Employee Registration:

Employee Registration

Name

DOB

dd-mm-yyyy

Address

MobileNumber

Email

Gender

DOJ

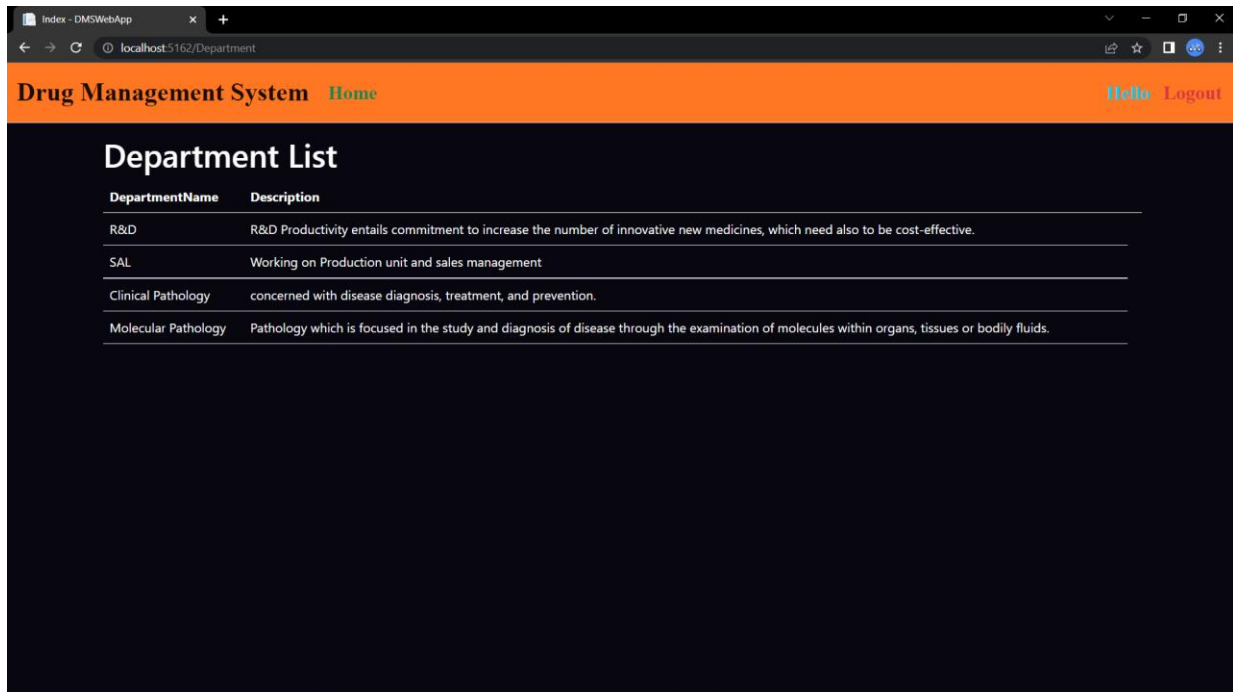
dd-mm-yyyy

DepartmentName

Designation

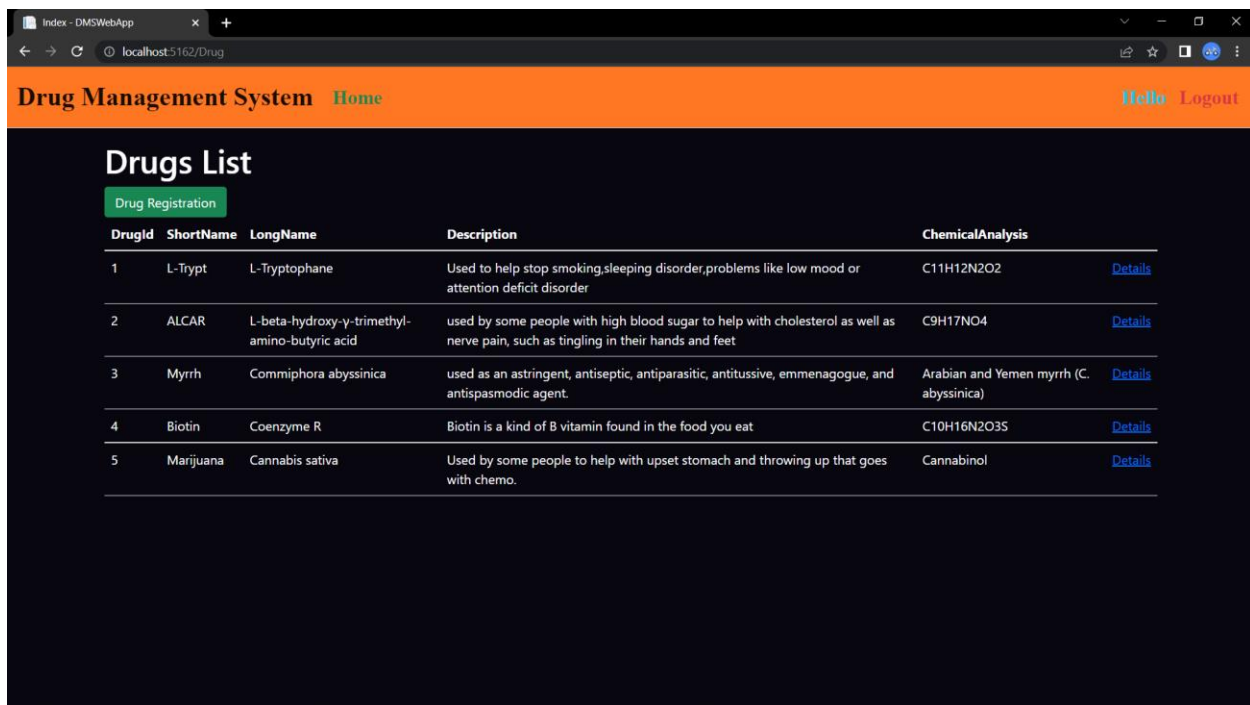
Create Back

## Department List:



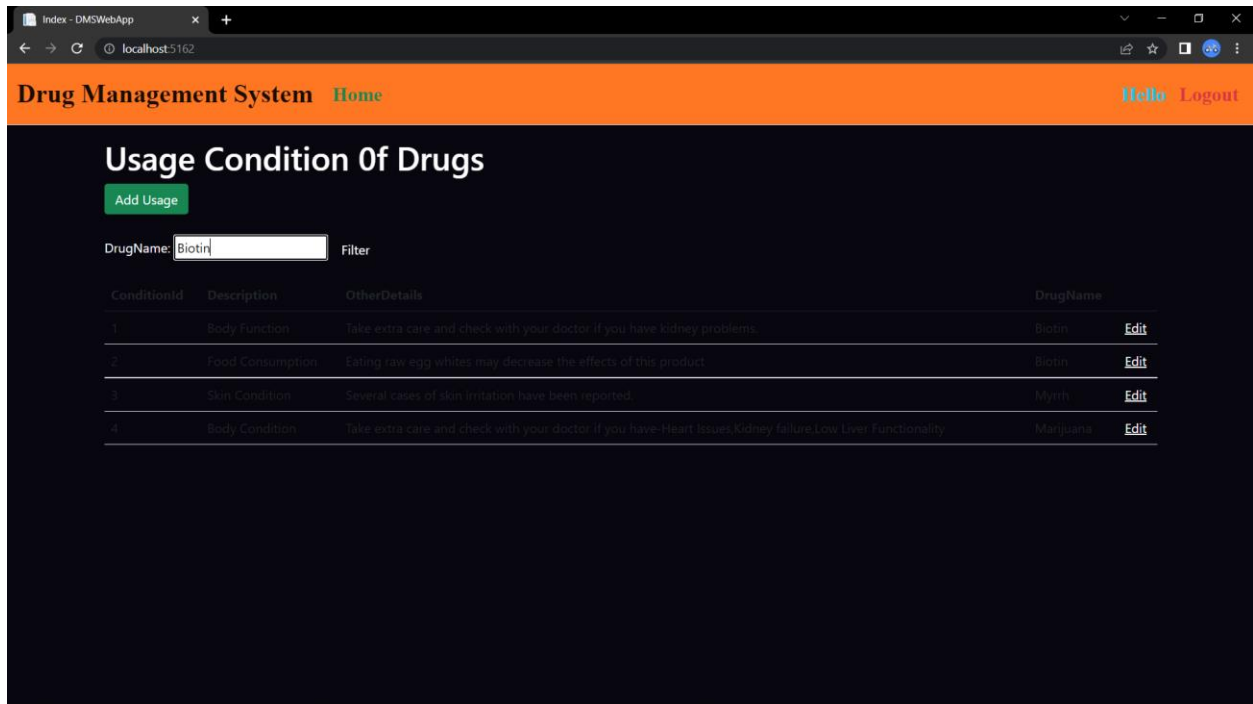
DepartmentName	Description
R&D	R&D Productivity entails commitment to increase the number of innovative new medicines, which need also to be cost-effective.
SAL	Working on Production unit and sales management
Clinical Pathology	concerned with disease diagnosis, treatment, and prevention.
Molecular Pathology	Pathology which is focused in the study and diagnosis of disease through the examination of molecules within organs, tissues or bodily fluids.

## Drug List:View



DrugId	ShortName	LongName	Description	ChemicalAnalysis
1	L-Trypt	L-Tryptophane	Used to help stop smoking,sleeping disorder,problems like low mood or attention deficit disorder	C11H12N2O2 <a href="#">Details</a>
2	ALCAR	L-beta-hydroxy-γ-trimethyl-amino-butyric acid	used by some people with high blood sugar to help with cholesterol as well as nerve pain, such as tingling in their hands and feet	C9H17NO4 <a href="#">Details</a>
3	Myrrh	Commiphora abyssinica	used as an astringent, antiseptic, antiparasitic, antitussive, emmenagogue, and antispasmodic agent.	Arabian and Yemen myrrh (C. abyssinica) <a href="#">Details</a>
4	Biotin	Coenzyme R	Biotin is a kind of B vitamin found in the food you eat	C10H16N2O3S <a href="#">Details</a>
5	Marijuana	Cannabis sativa	Used by some people to help with upset stomach and throwing up that goes with chemo.	Cannabinol <a href="#">Details</a>

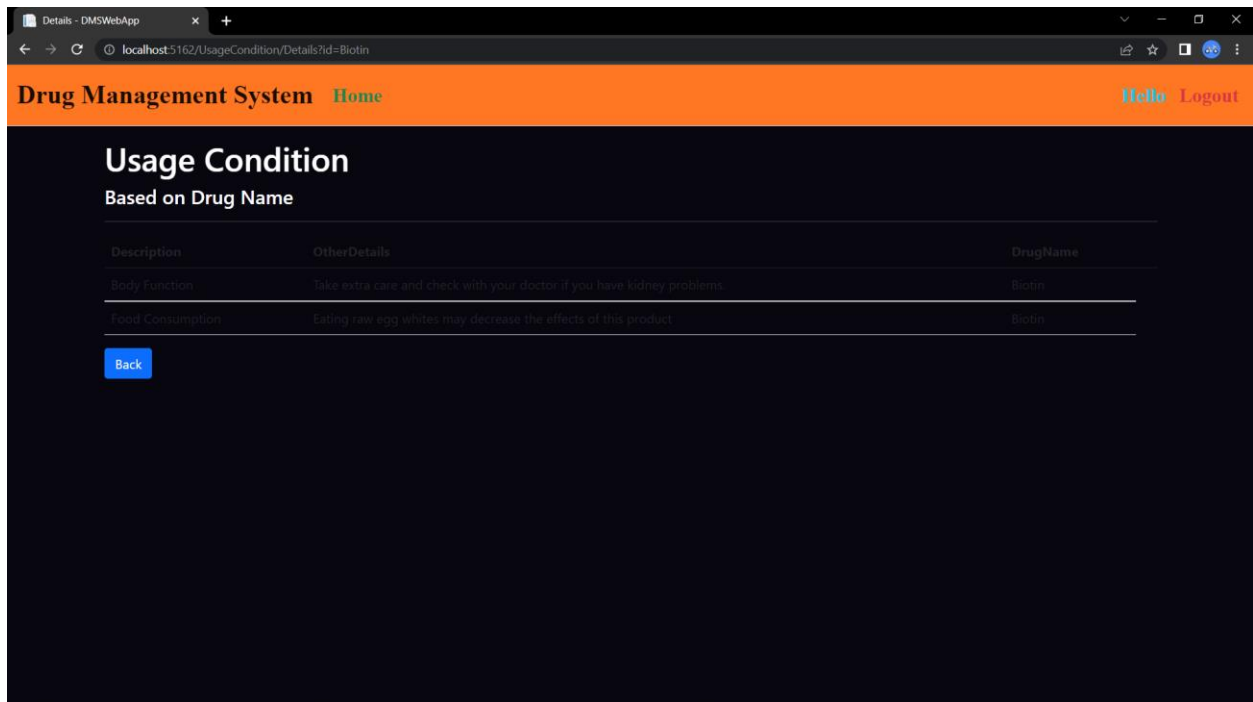
# Drug Usage Condition



The screenshot shows the 'Drug Management System' Home page. The main heading is 'Usage Condition Of Drugs'. Below it is a green 'Add Usage' button. A search bar labeled 'DrugName' contains the text 'Biotin' and a 'Filter' button. Below the search bar is a table with four rows of usage conditions. The table has four columns: 'ConditionId', 'Description', 'OtherDetails', and 'DrugName'. Each row has an 'Edit' link next to the 'DrugName' column.

ConditionId	Description	OtherDetails	DrugName
1	Body Function	Take extra care and check with your doctor if you have kidney problems.	Biotin <a href="#">Edit</a>
2	Food Consumption	Eating raw egg whites may decrease the effects of this product.	Biotin <a href="#">Edit</a>
3	Skin Condition	Several cases of skin irritation have been reported.	Myrrh <a href="#">Edit</a>
4	Body Condition	Take extra care and check with your doctor if you have Heart Issues, Kidney failure, Low Liver Functionality.	Marijuana <a href="#">Edit</a>

## DrugUsage Condition based on DrugName(Filter Search)

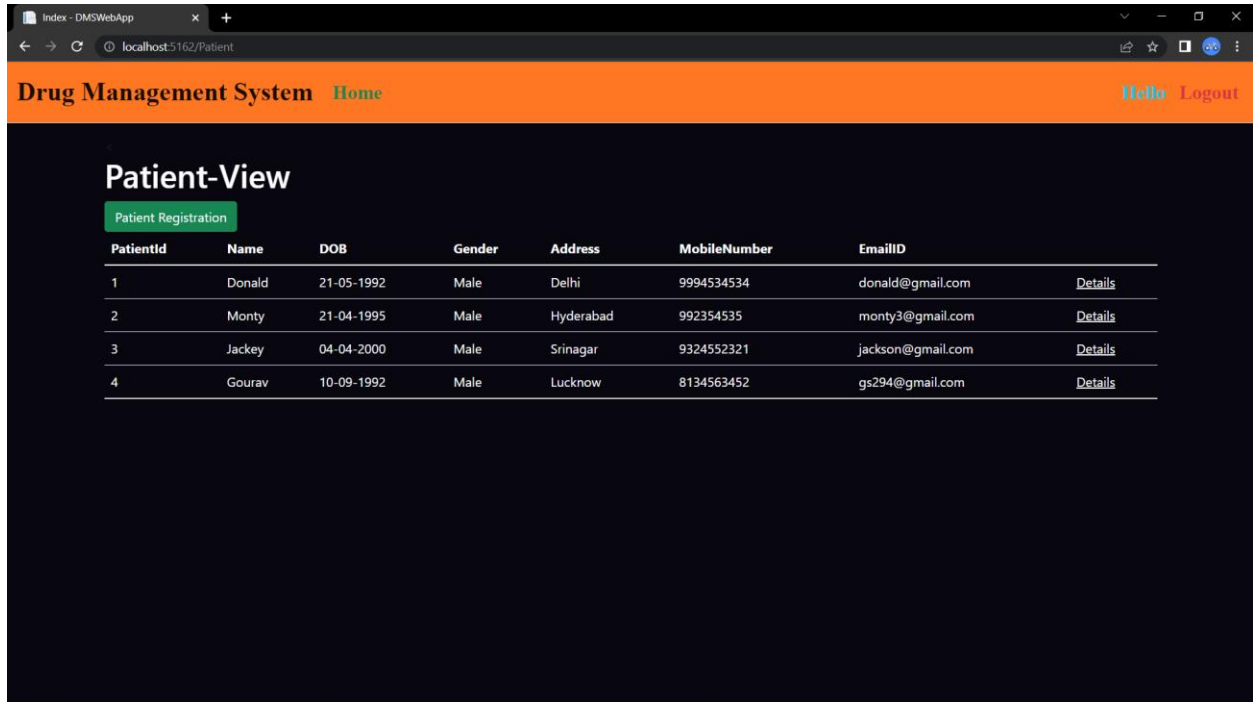


The screenshot shows the 'Details' page for the 'Usage Condition' based on the drug name 'Biotin'. The page has a heading 'Usage Condition Based on Drug Name'. Below the heading is a table with three columns: 'Description', 'OtherDetails', and 'DrugName'. The table contains two rows of data. Below the table is a blue 'Back' button.

Description	OtherDetails	DrugName
Body Function	Take extra care and check with your doctor if you have kidney problems.	Biotin
Food Consumption	Eating raw egg whites may decrease the effects of this product.	Biotin



# Patient Details



Patientid	Name	DOB	Gender	Address	MobileNumber	EmailID	
1	Donald	21-05-1992	Male	Delhi	9994534534	donald@gmail.com	<a href="#">Details</a>
2	Monty	21-04-1995	Male	Hyderabad	992354535	monty3@gmail.com	<a href="#">Details</a>
3	Jackey	04-04-2000	Male	Srinagar	9324552321	jackson@gmail.com	<a href="#">Details</a>
4	Gourav	10-09-1992	Male	Lucknow	8134563452	gs294@gmail.com	<a href="#">Details</a>

## Conclusion

The proposed Drug Management System in ASP.NET tries to automate and computerize the entire drug management procedure considering the database integration approach. With this system, administrators have greater accessibility to collect the relevant drug information that is of prime importance for a system like to exist and coordinate with various aspects within the system.

# Thank You