12576 Nisanth Saravanan
RIX2024-Batch 1_Code Quality & Design Principles Lab Assessment
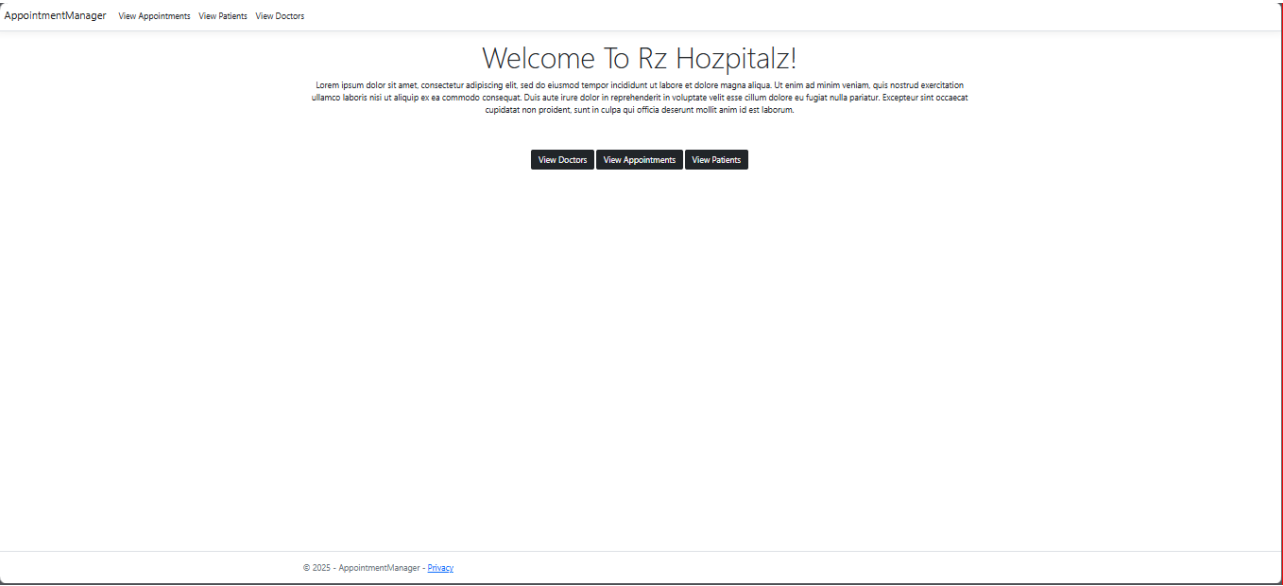
Selected Project: Appointment Manager.
Coder: Nisanth Saravanan
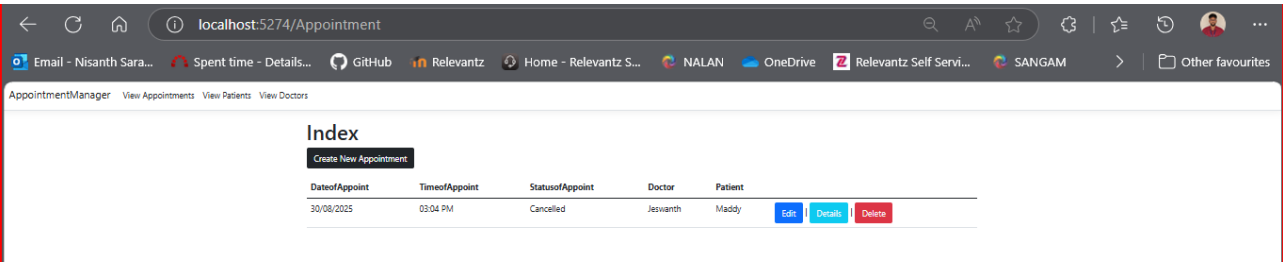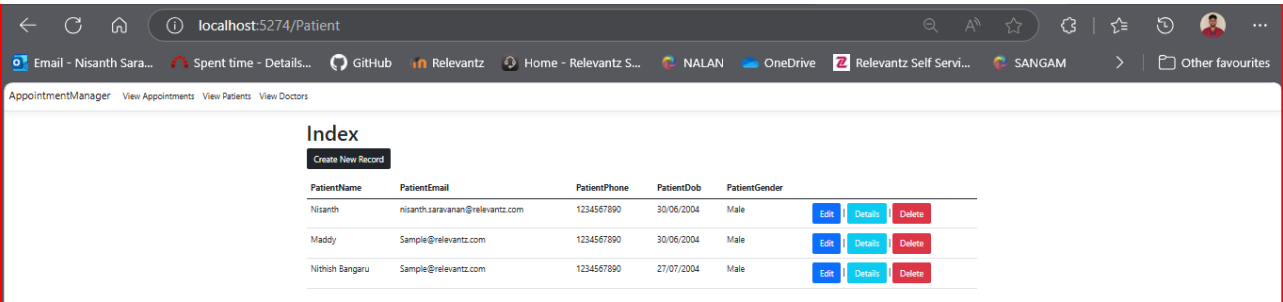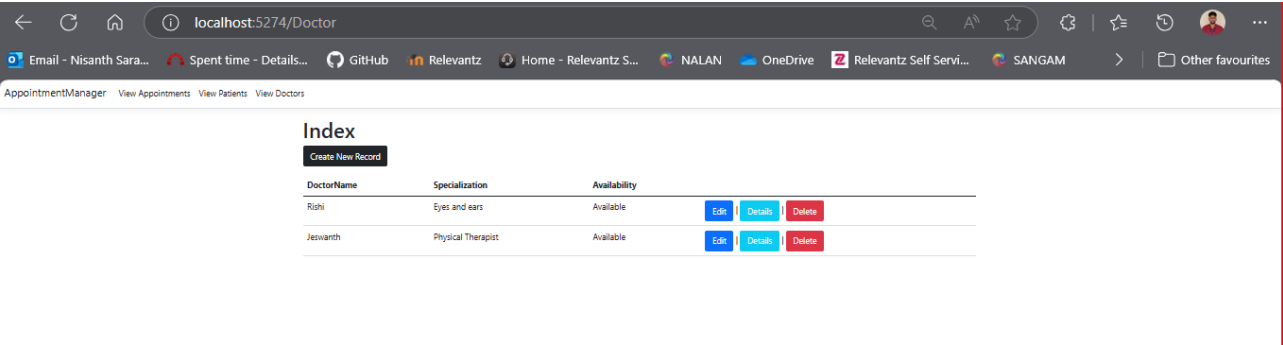Reviewer: Ranjithkumar Palanisamy

Project Description:
A MVC Project that let's us add doctor, patient and appointment, in Razor pages.

Project Output Screens:

GET Method: Status: Working.

POST Method: Status: Working.

Create

Patient

Patient Name:

XYZ

Email:

admin@relevantz.com

Contact Number:

1234567890

Date of Birth: (YYYY-MM-DD Format)

27-07-2004

Gender:

Male

Create

Back to List

Create

Doctor

Doctor Name:

ABC

Specialization:

Something

Availability:

Available

Create

Back to List

Create

Appointment

Patient Name:

XYZ

Doctor Name:

ABC

Date of Appointment: (YYYY-MM-DD Format)

2025-08-30

Time of Appointment: (24 Hour Format)

15:04

Status of Appointment:

Completed

Create

Back to List

Reflection after POST:

Index

Create New Record

PatientName	PatientEmail	PatientPhone	PatientDob	PatientGender	
Nisanth	nisanth.saravanan@relevantz.com	1234567890	30/06/2004	Male	Edit	Details	Delete
Maddy	Sample@relevantz.com	1234567890	30/06/2004	Male	Edit	Details	Delete
Nithish Bangaru	Sample@relevantz.com	1234567890	27/07/2004	Male	Edit	Details	Delete
XYZ	admin@relevantz.com	1234567890	27/07/2004	Male	Edit	Details	Delete

Index

Create New Record

DoctorName	Specialization	Availability	
Rishi	Eyes and ears	Available	Edit	Details	Delete
Jeswanth	Physical Therapist	Available	Edit	Details	Delete
ABC	Something	Available	Edit	Details	Delete

Index

Create New Appointment

DateofAppoint	TimeofAppoint	StatusofAppoint	Doctor	Patient	
30/08/2025	03:04 PM	Cancelled	Jeswanth	Maddy	Edit	Details	Delete
30/08/2025	03:04 PM	Completed	ABC	XYZ	Edit	Details	Delete

Initial SonarQube Analysis:

Peer-Review Comments:

QUALITY ASSURANCE AUDIT CHECKLIST TEMPLATE

Ref No.	Source[Code Fie] Position (Code Line)	SCORE [1-5]	MEETS STANDARDS	OPPORTUNITIES FOR IMPROVEMENT	MINOR CONCERNS	MAJOR CONCERNS	NOTES	RECOMMENDATIONS	STATUS MARK RESOLVED
1	AppDbContext.cs - Line : 9	3	No	Yes	Yes	No	Class name must be pascal	change appdbcontext to Pascal case	RESOLVED
2	Patient.cs - line : 6 , 10 , 12 , 18	4	No	Yes	Yes	No	variable must be non-nullable	add "?" to data type ⇒ string?	RESOLVED
3	Appointment.cs - line :18 , 20	4	No	Yes	Yes	No	variable must be non-nullable	add "?" to data type ⇒ string?	RESOLVED
4	Patient.cs - line : 6	3	No	Yes	Yes	No	Class name must be pascal	To pascal	RESOLVED
5	Appointment.cs - line : 6	3	No	Yes	Yes	No	Class name must be pascal	To pascal	RESOLVED
6	Doctor.cs - line :6	4	No	Yes	Yes	No	Class name must be pascal	To pascal	RESOLVED
7	Doctor.cs - line: 10 , 12 , 14	4	No	Yes	Yes	No	variable must be non-nullable	add "?" to data type ⇒ string?	RESOLVED
8	Views/Home/Index.cshtml	5	No	Yes	Yes	No	check the paragraph tag once	Add some simple and understandable sentence	NOT RESOLVED) The paragraph is a design placeholder .
9	General	4	No	Yes	Yes	No	Add some why comments	Add some why commands	RESOLVED
10	General	3	No	Yes	Yes	No	Remove unwanted commands	Delete those commands	RESOLVED
11	General	5	Yes	Yes	-	-	Proper Naming	Namings for Class	
12	General	5	Yes	Yes	-	-	Proper Naming	Namings for Objects	
13	General	5	Yes	Yes	-	-	Proper Naming	Namings for Variables	
14	General	5	Yes	Yes	-	-	Proper Naming	Namings for Namespace	
15	General	5	Yes	Yes	-	-	Proper Naming	Namings for Label in cshtml	
16	General	5	Yes	Yes	-	-	Proper Naming	Namings for Placeholder in cshtml	
17	General	5	Yes	Yes	-	-	Proper Naming	Proper method namings	
18	General	5	Yes	Yes	-	-	Proper Naming	Proper File Namings	
19	General	5	Yes	Yes	-	-	Implemented asynchronous	Implemented Asynchronous	
20	General	5	Yes	Yes	-	-	Remove unused imports	check every import have used	RESOLVED
21									

12576_Nisanth_Quality-Assurance-Audit-Checklist.xlsx

GitHub Link:

[Nisanth-Saravanan/AppointManager_Code_Review_Repo](#)

Post Refactoring SonarQube Analysis: