Phase-End Project
Customer Support Logger

Aim:

To develop a web application helps them to record their customer support executive's daily contribution toward customer support activities.

GitHub Link:

https://github.com/Sukirthalakshmanan1/customer

Procedure:

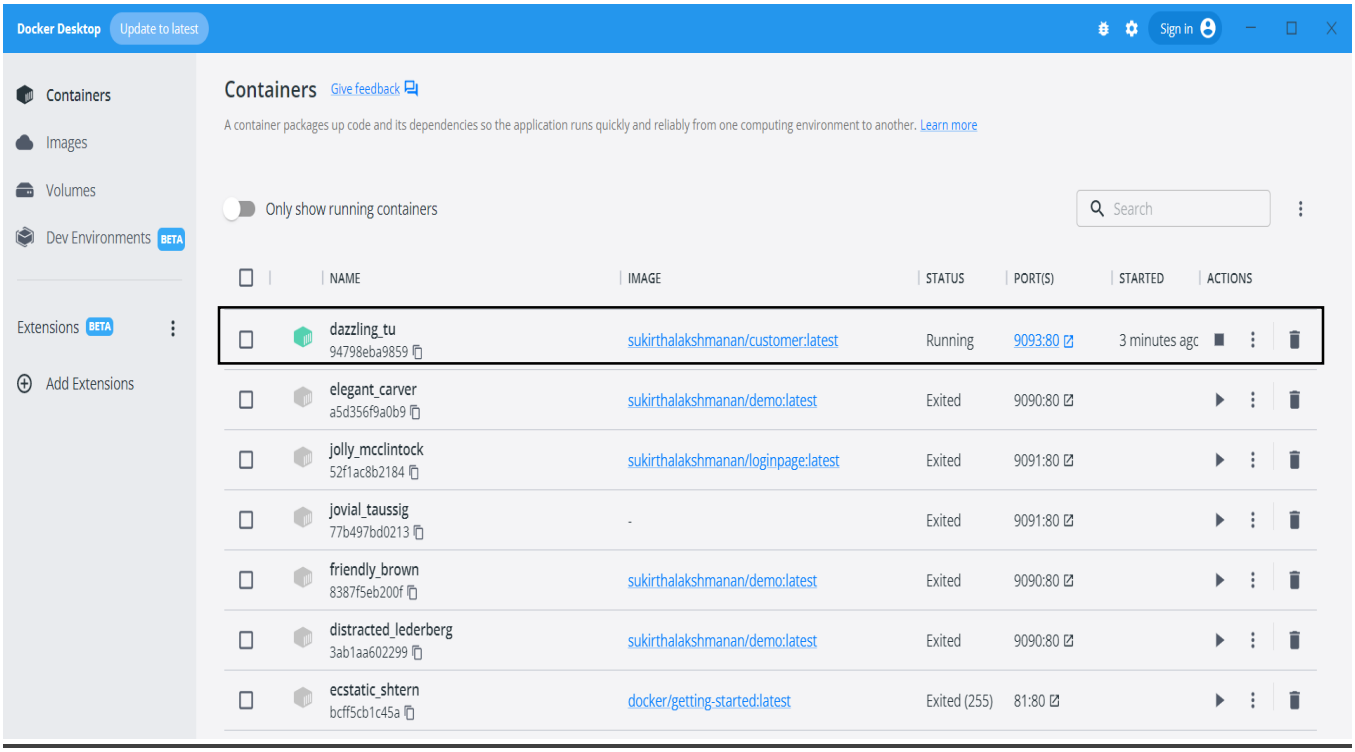
- ✓ Create an ASP.NET MVC application and enable the docker support.
- ✓ Docker file will be created .
- ✓ Create a SQL database in Azure named customer.
- ✓ Create an ado.model in the model and used DB First approach and select the connections and necessary authentications.
- ✓ select the tables(UserInfo and custinfo) and click finish.
- ✓ Create a Library DAL and write Test in it.
- ✓ In the Home controller Login and complaint page code is written.
- ✓ Create views Index and Dashboard and run in IIS
- ✓ Create a new Git Repository and push the code to GitHub
- ✓ Open Jenkins and create new item -> free style project and click ok.
- ✓ Go to configure and go to Github repository and paste the Github link
- ✓ And write your credentials
- ✓ Save and build
- ✓ After successful build go to configure and and add visual studio
- ✓ And copy the msbuild path and paste and save
- ✓ Build now
- ✓ On successful build Console Output is shown.
- ✓ Go to configure and build trigger->build periodically
- ✓ Set the time to build automatically and click save.
- ✓ Build happens automatically.

Docker commands:

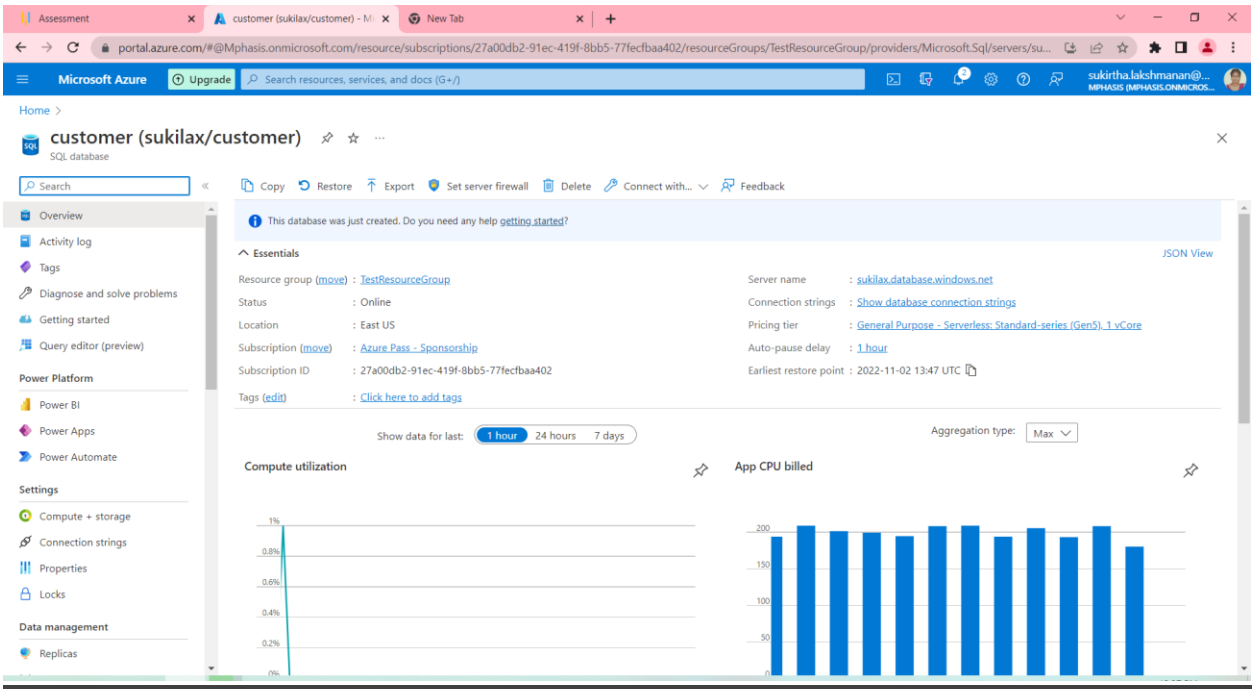
- ➢ docker build –t dockerid/loginpage:latest .
- ➢ docker run -p 9091:80 dockerhubid/projectname –p

Output:

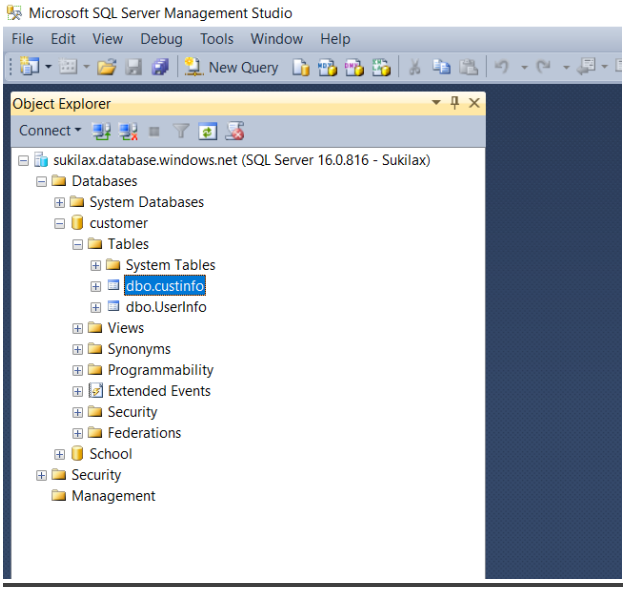
Docker Desktop output after creating MVC application with docker support:



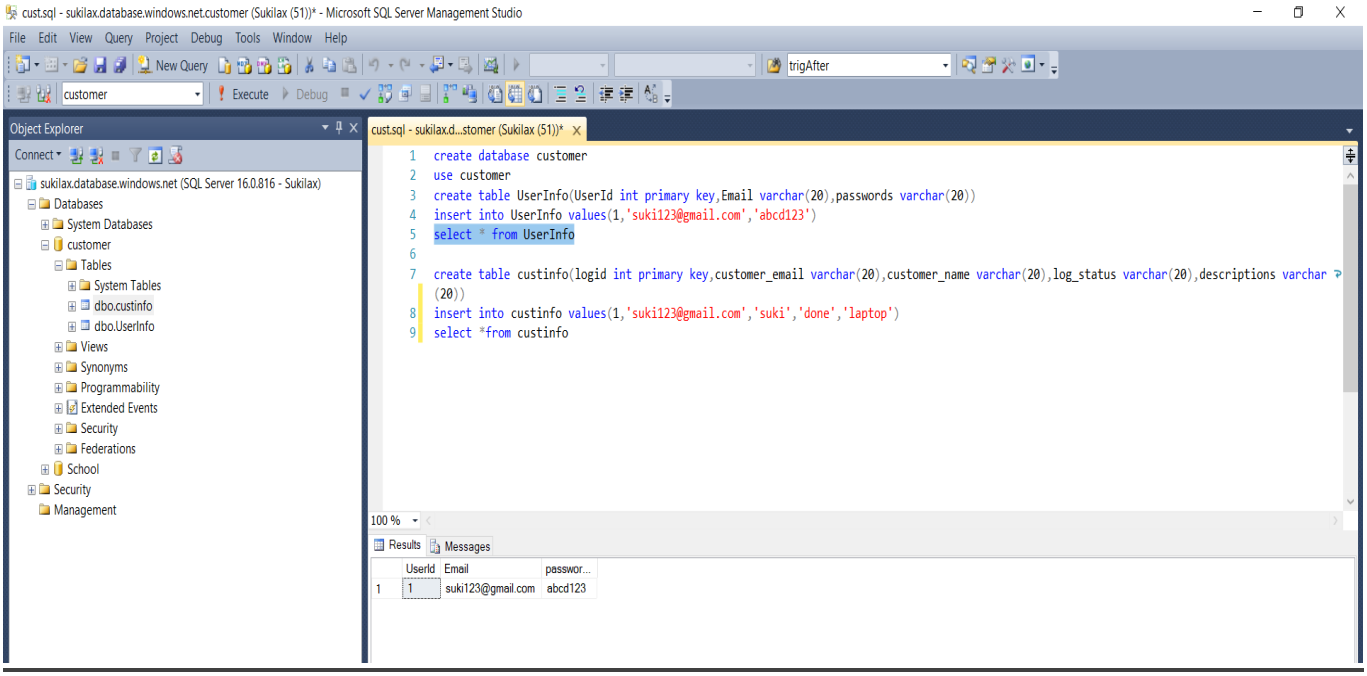
After creating SQLServer database on Azure



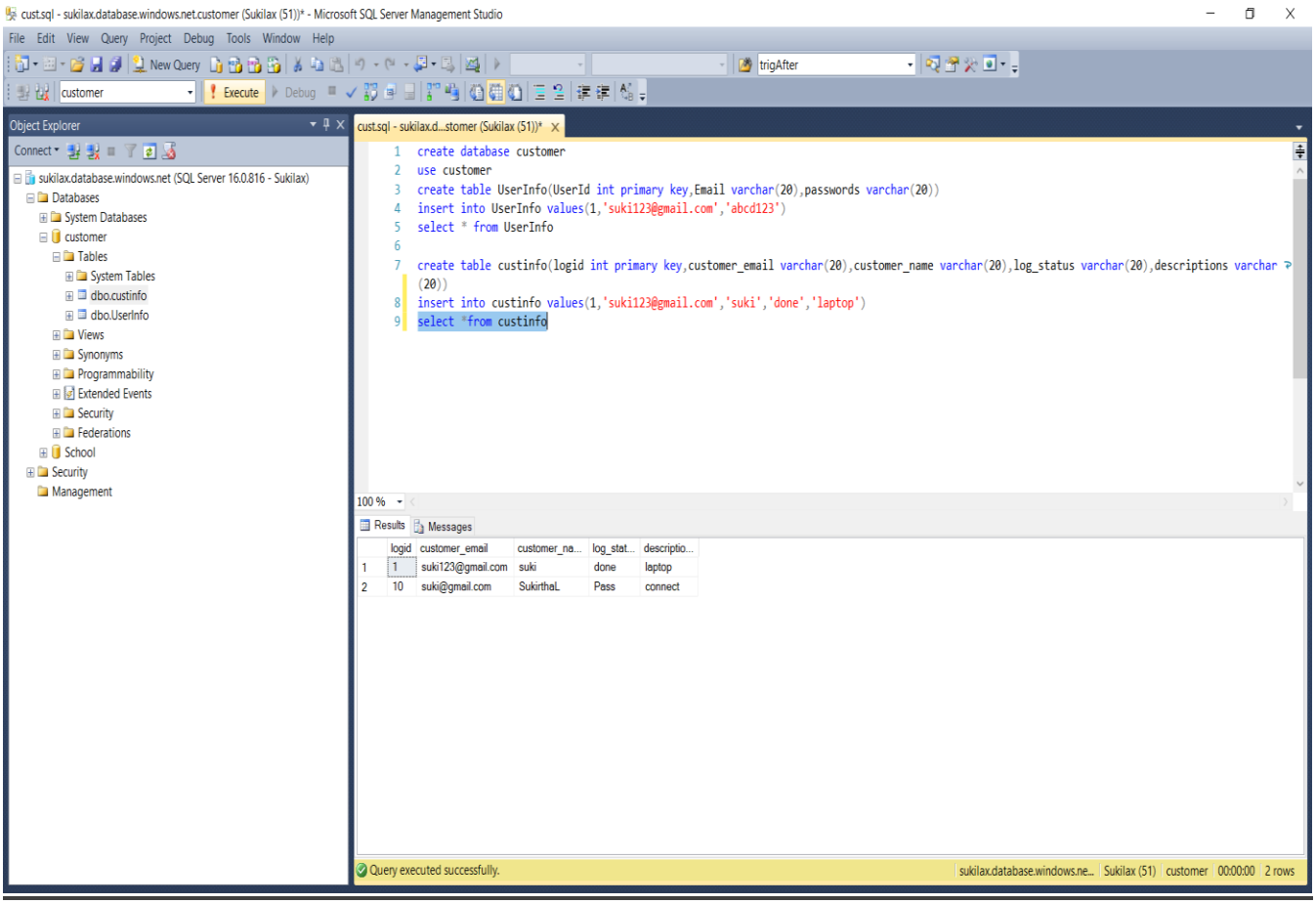
Azure database in Local machine:



UserInfo:



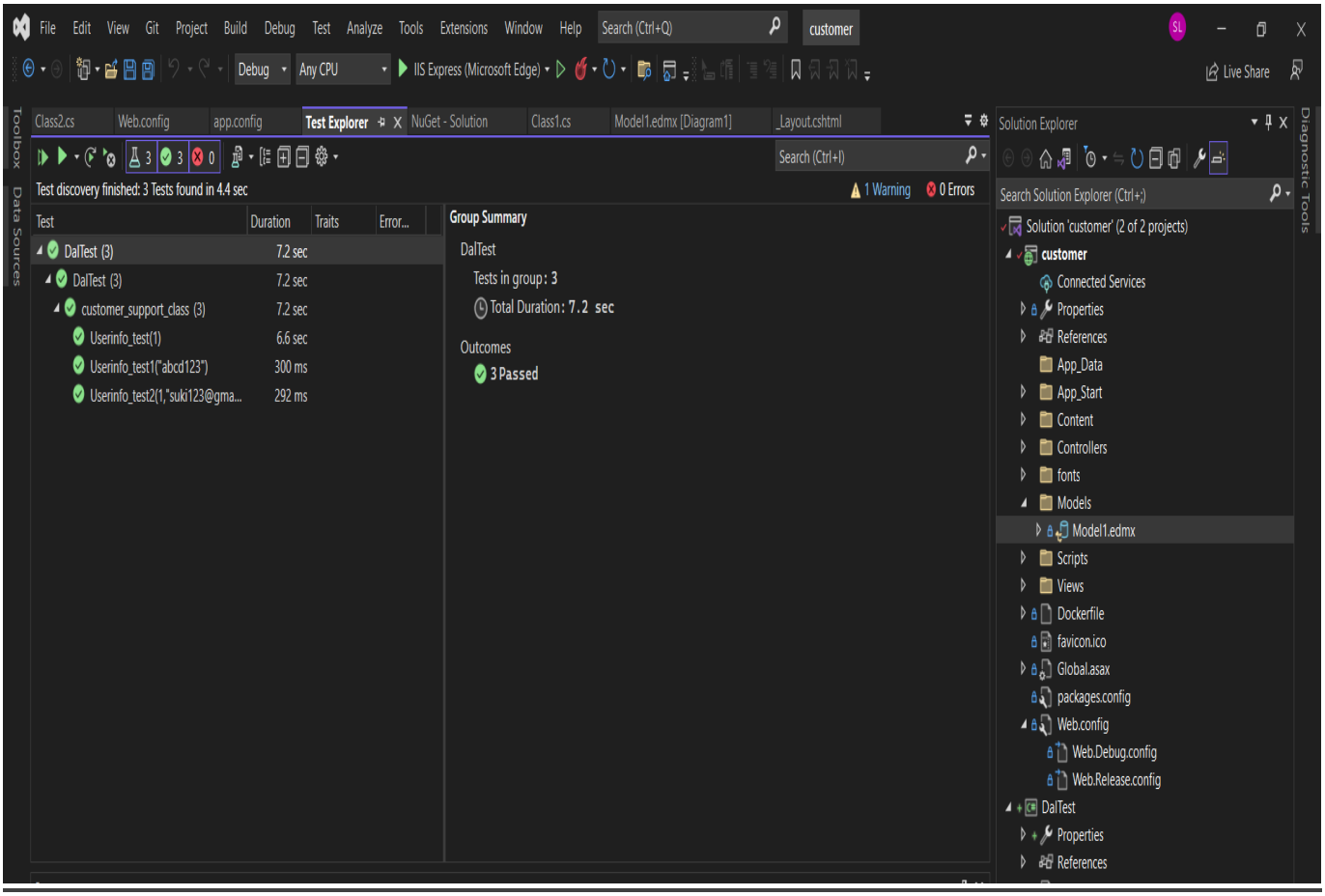
Custinfo:


cust.sql - sukilax.database.windows.net.customer (Sukilax (51))* - Microsoft SQL Server Management Studio
File Edit View Query Project Debug Tools Window Help
New Query
trigAfter
customer
Execute
Debug
Object Explorer
Connect
sukilax.database.windows.net (SQL Server 16.0.816 - Sukilax)
Databases
System Databases
customer
Tables
System Tables
dbo.custinfo
dbo.UserInfo
Views
Synonyms
Programmability
Extended Events
Security
Federations
School
Security
Management
cust.sql - sukilax.d...stomer (Sukilax (51))*
1 create database customer
2 use customer
3 create table UserInfo(UserId int primary key,Email varchar(20),passwords varchar(20))
4 insert into UserInfo values(1,'suki123@gmail.com','abcd123')
5 select * from UserInfo
6
7 create table custinfo(logid int primary key,customer_email varchar(20),customer_name varchar(20),log_status varchar(20),descriptions varchar (20))
8 insert into custinfo values(1,'suki123@gmail.com','suki','done','laptop')
9 select *from custinfo
100 %
Results
Messages
logid customer_email customer_na... log_stat... descriptio...
1 1 suki123@gmail.com suki done laptop
2 10 suki@gmail.com SukirthaL Pass connect
Query executed successfully.
sukilax.database.windows.ne... Sukilax (51) customer 00:00:00 2 rows

Testing All Test cases:

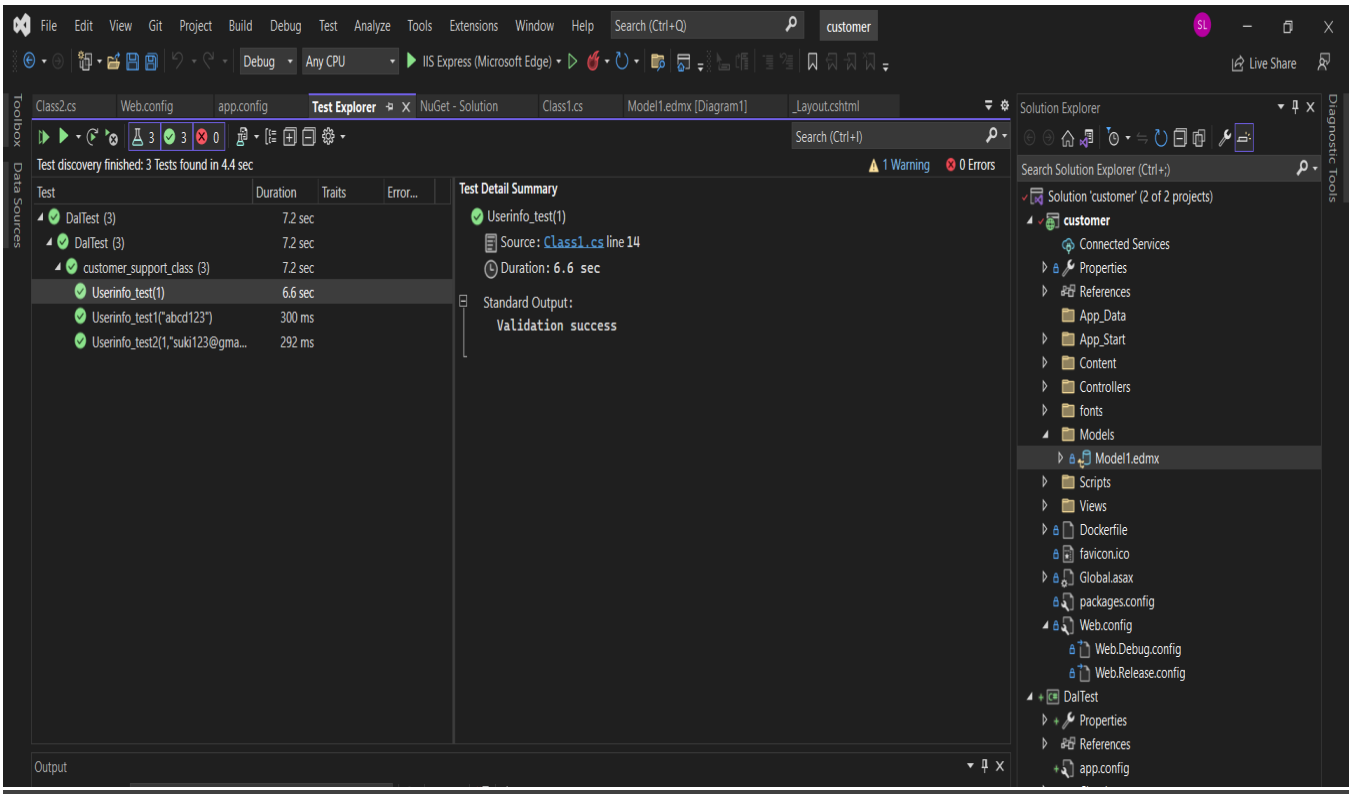
UserInfo and CustInfo Test cases:

All test cases passed here.



UserInfo_test(1):

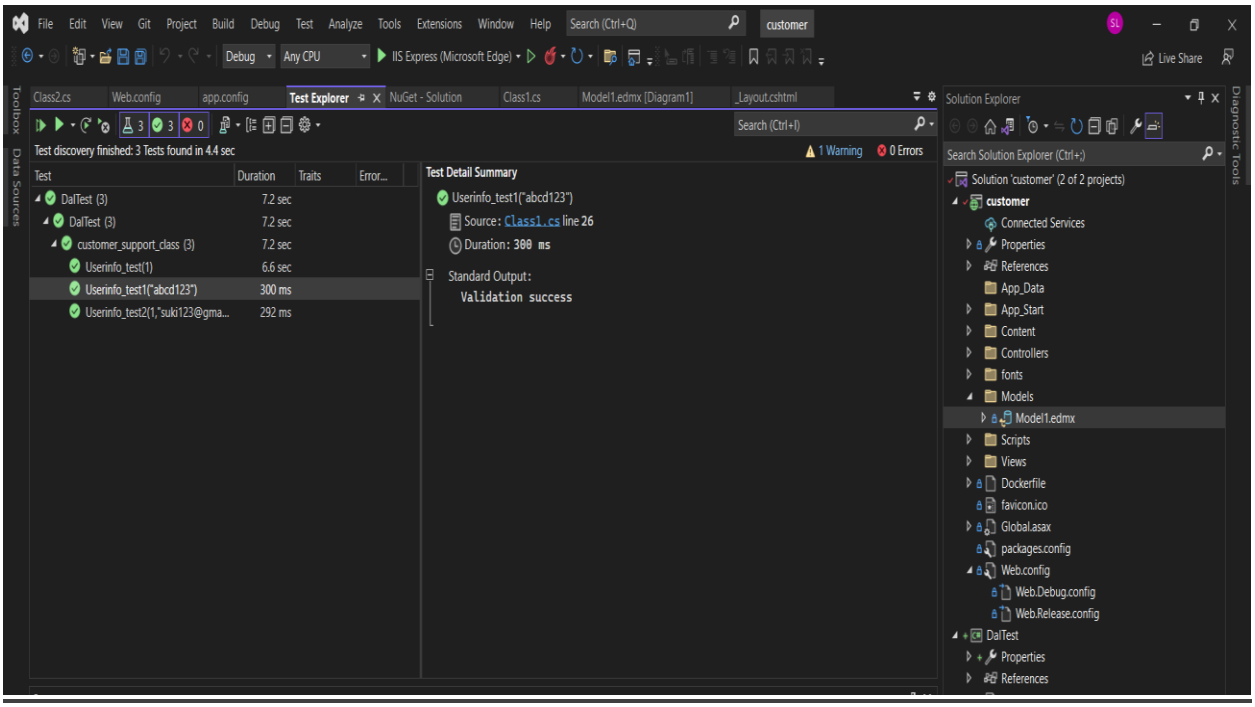
In CustInfo On Testing the Log id:



Checking Password in login page:

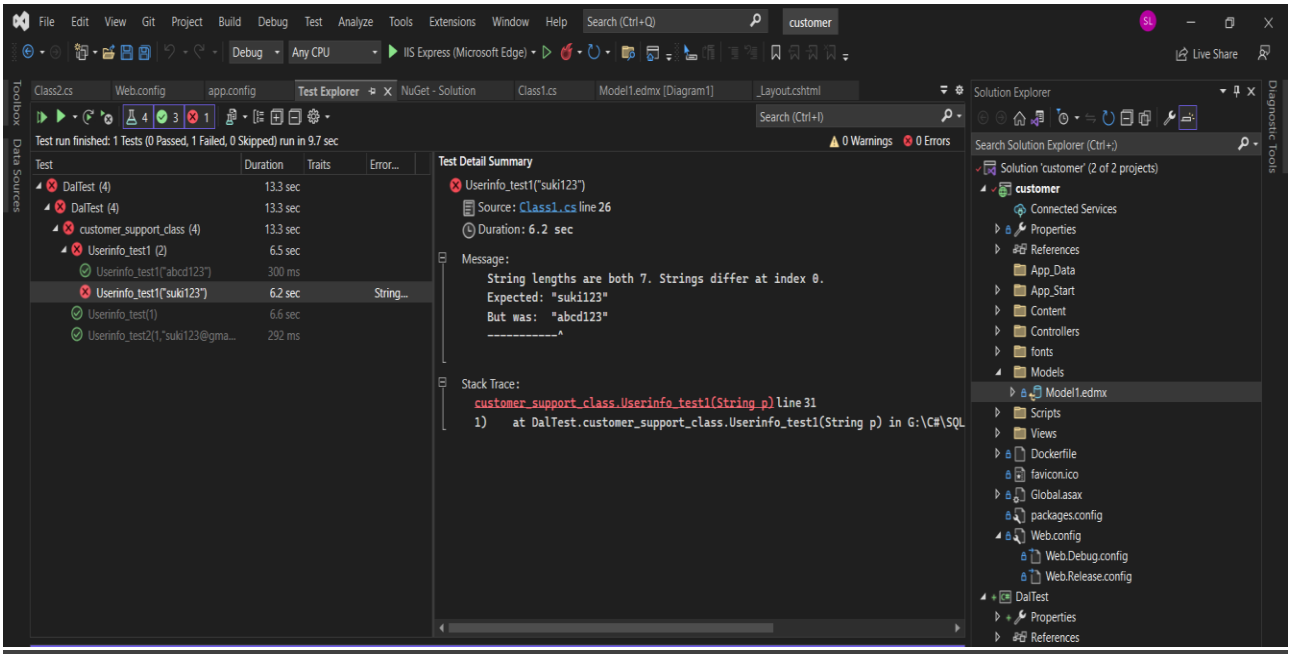
Test case Passed:

Giving the same password as in Azure database so that Testcase passed.

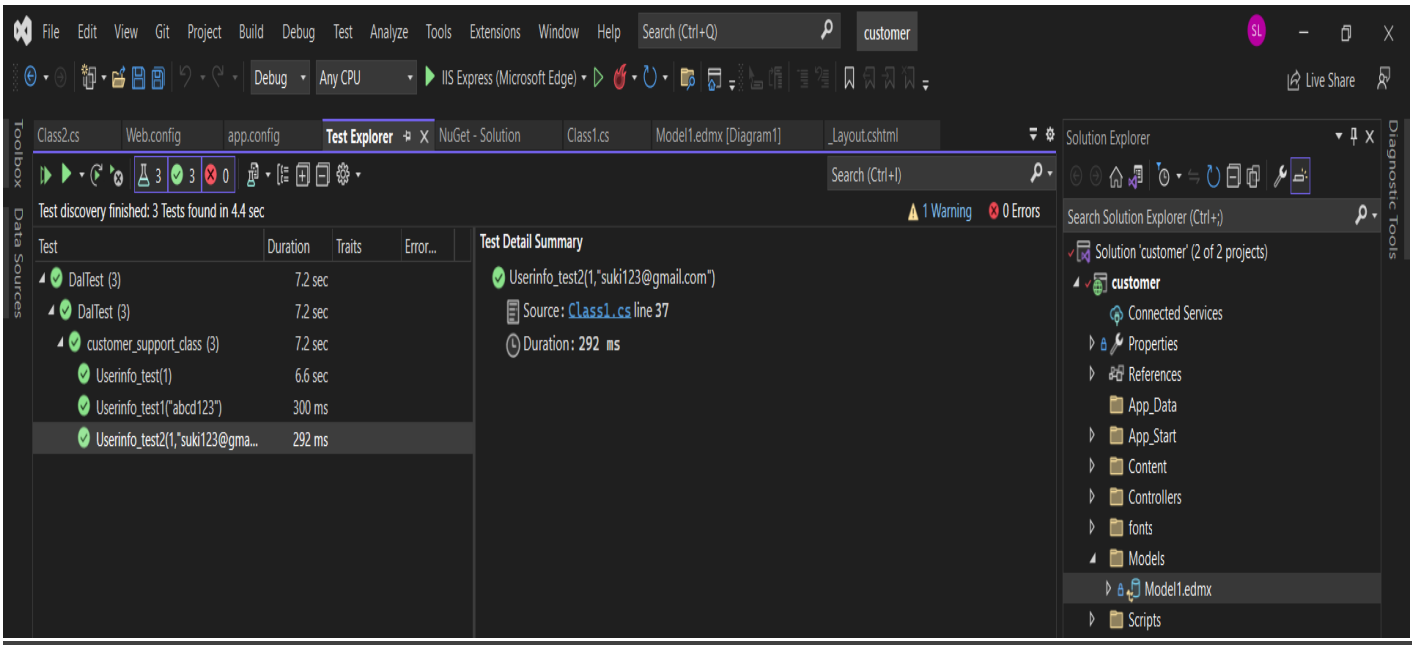


Test case Failed:

Incorrect password:

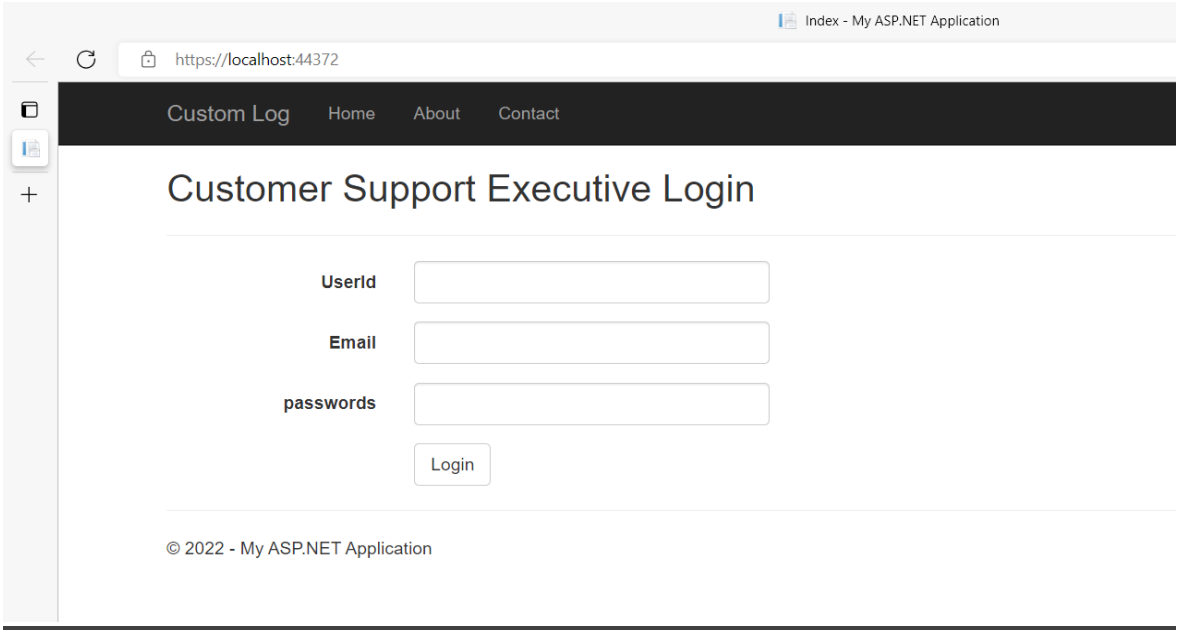


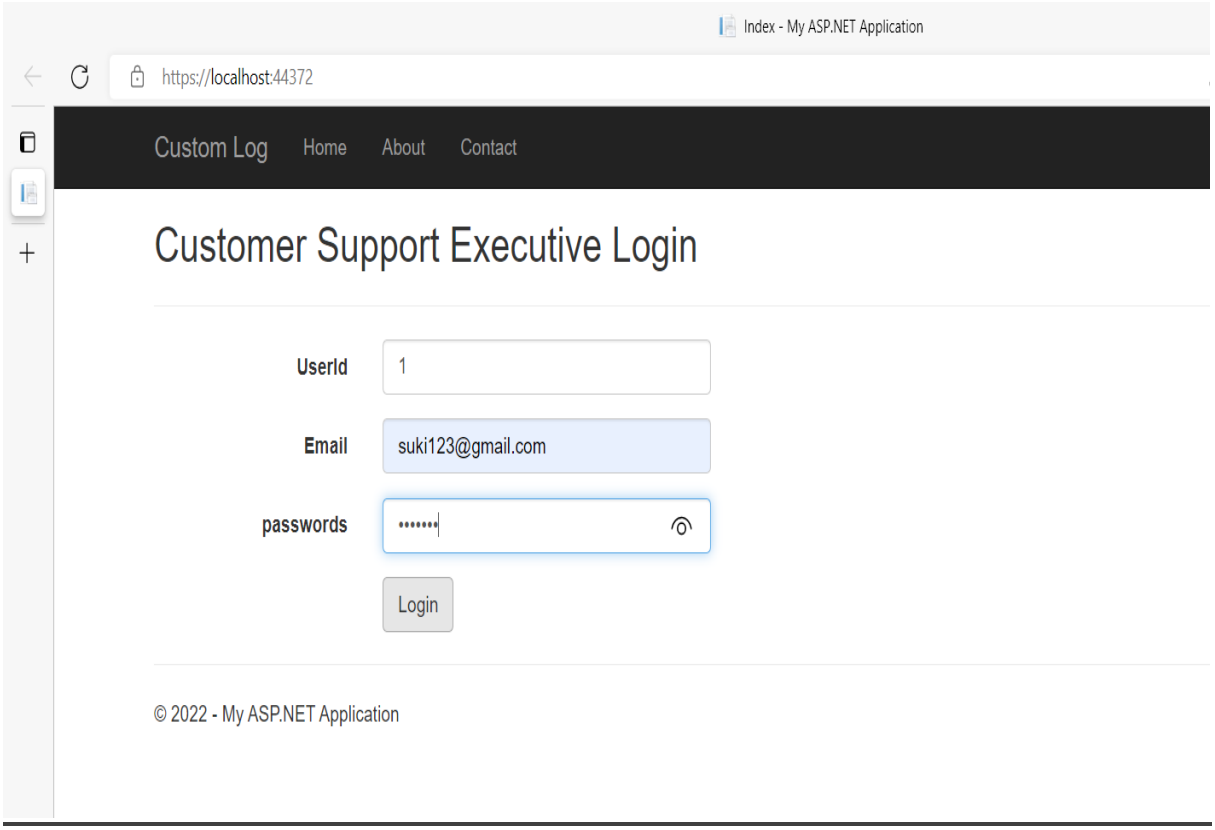
Checking Email and UserId:

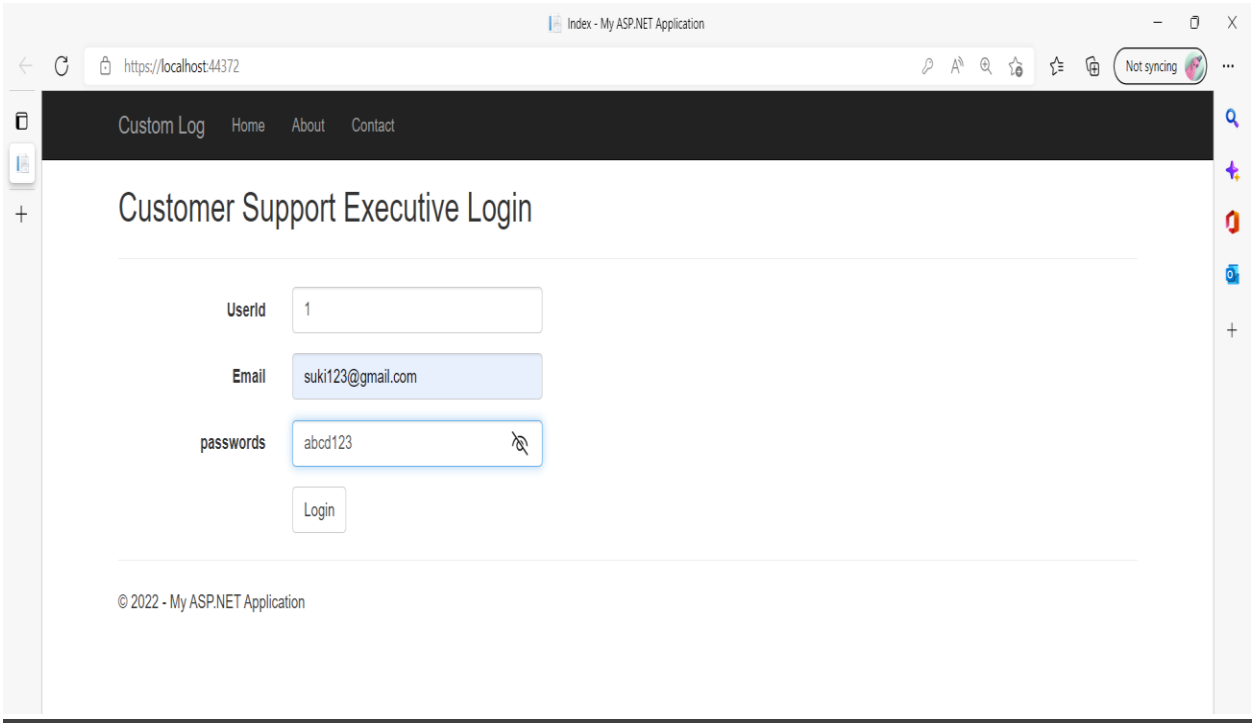


After executing MVC application

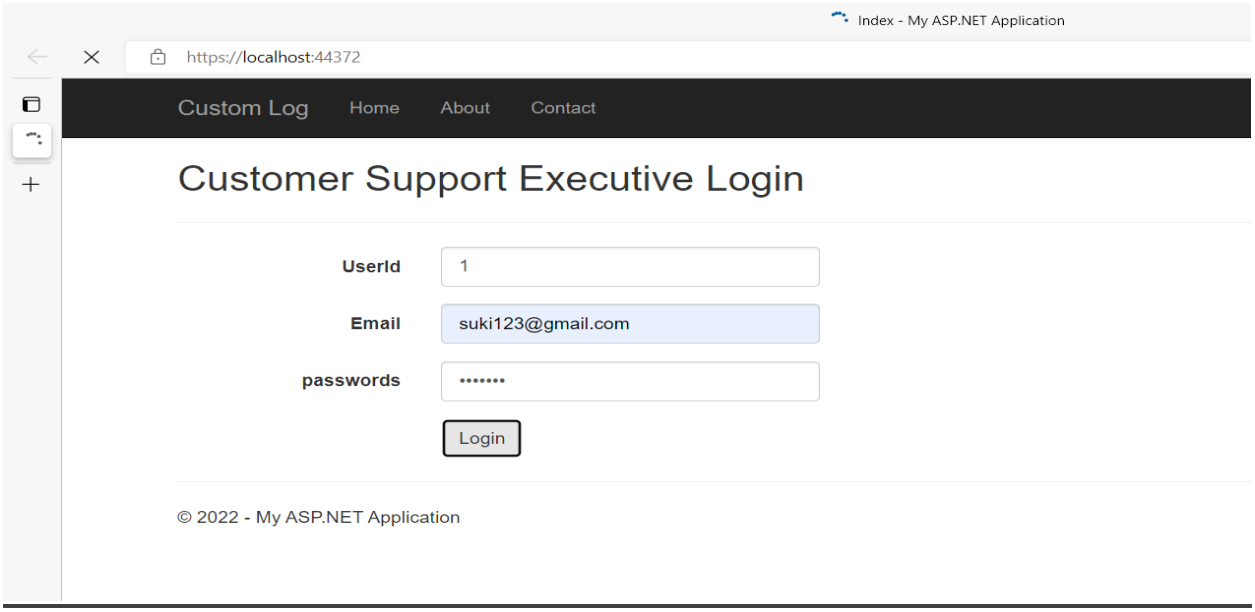
a. Customer executive login page:



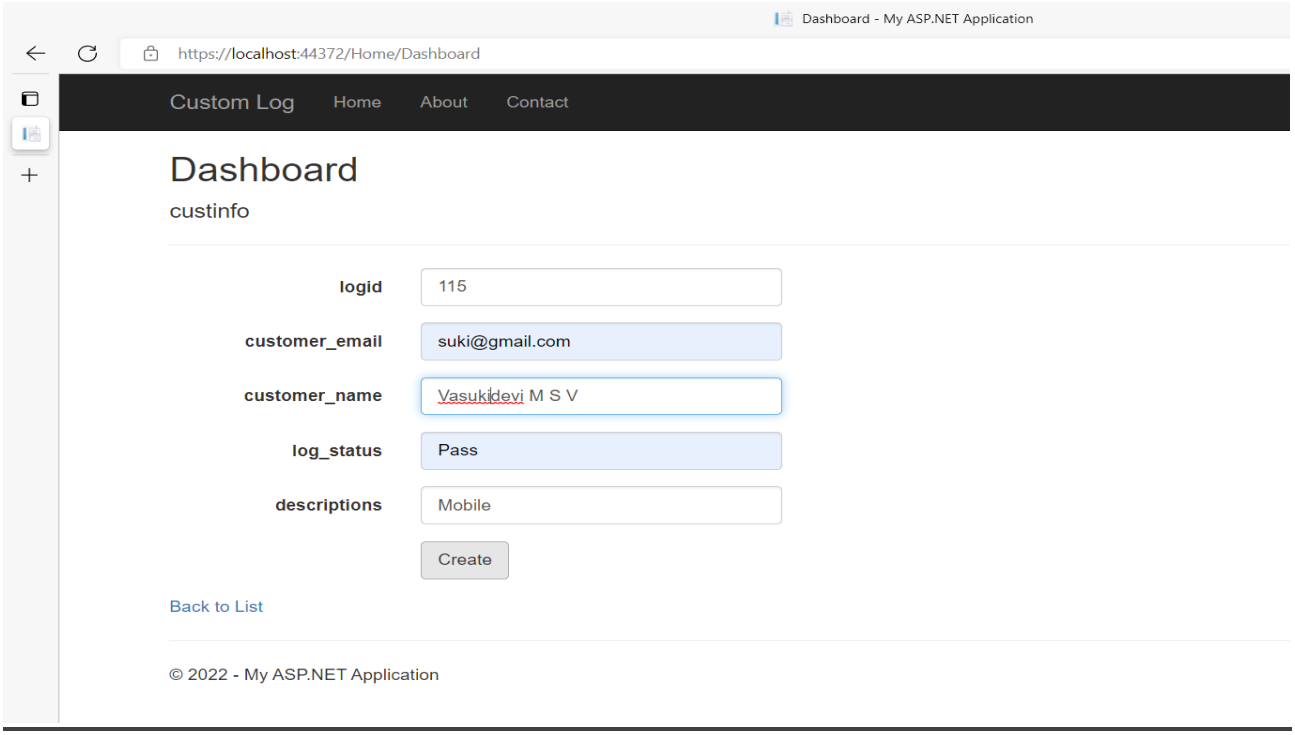

Index - My ASP.NET Application
https://localhost:44372
Custom Log
Home
About
Contact
Customer Support Executive Login
UserId
1
Email
suki123@gmail.com
passwords
Login
© 2022 - My ASP.NET Application


Index - My ASP.NET Application
https://localhost:44372
Not syncing
Custom Log
Home
About
Contact
Customer Support Executive Login
UserId
1
Email
suki123@gmail.com
passwords
abcd123
Login
© 2022 - My ASP.NET Application

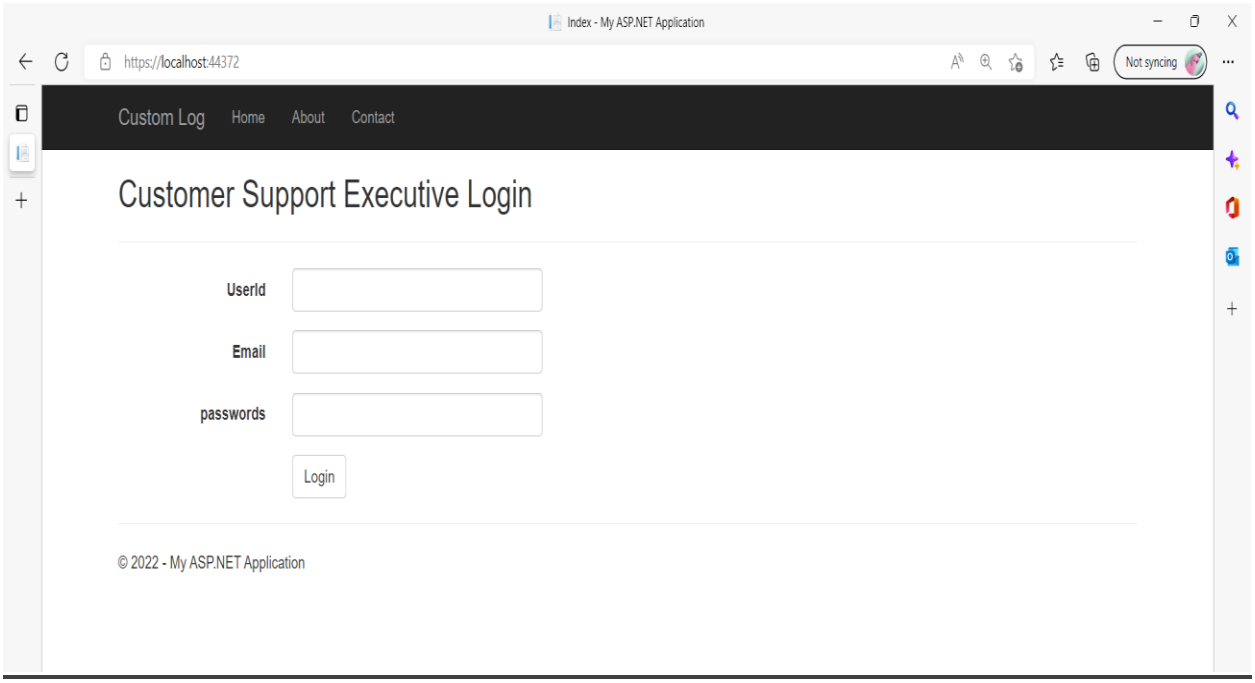
Login:



Dashboard:

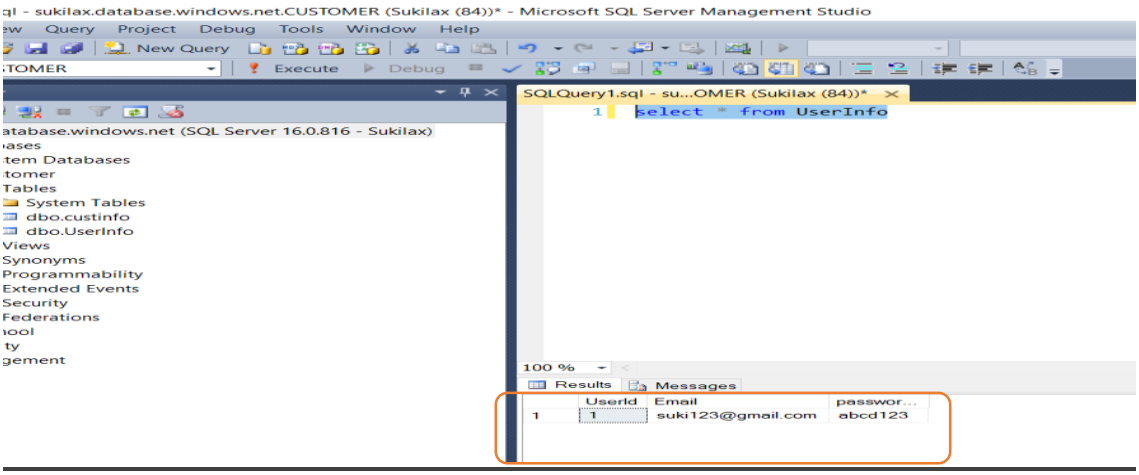


After Registering complaint successfully Redirects to Login page:

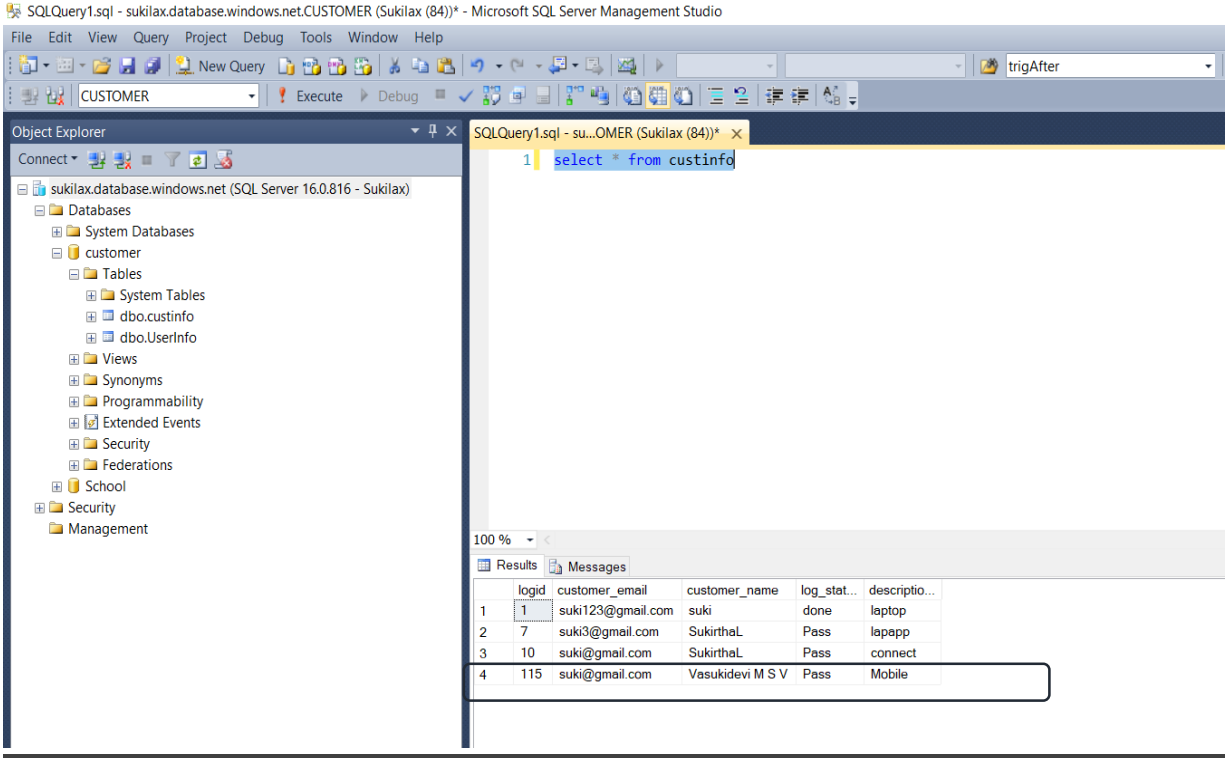


Verifying results into the database by connecting to SQL Server Management Studio (SSMS):

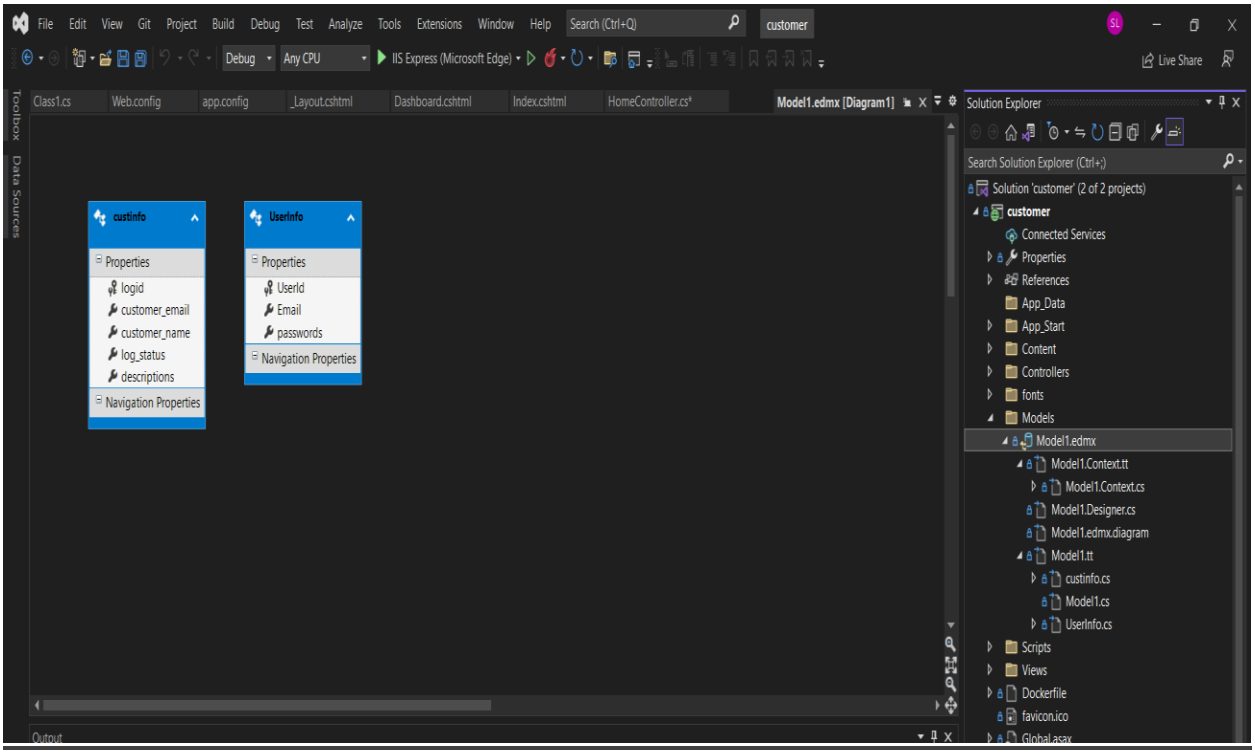
UserInfo:



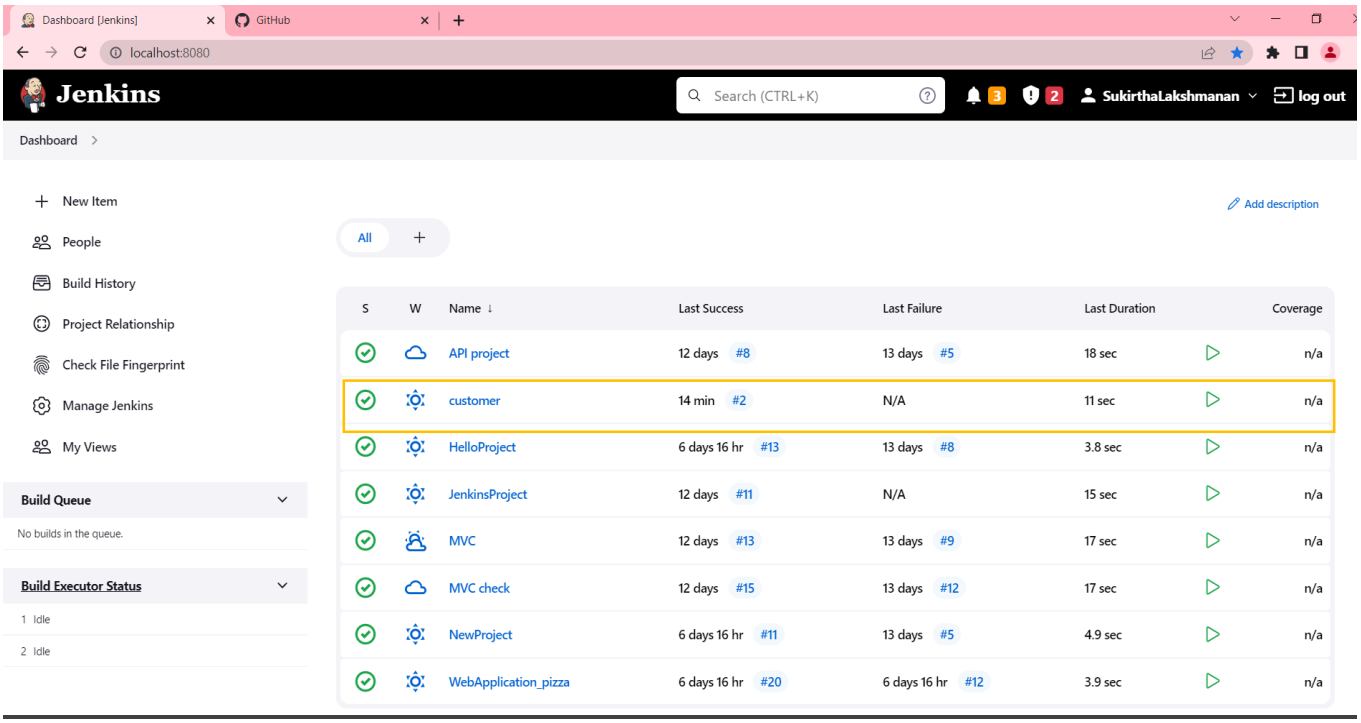
Customer Support Info:

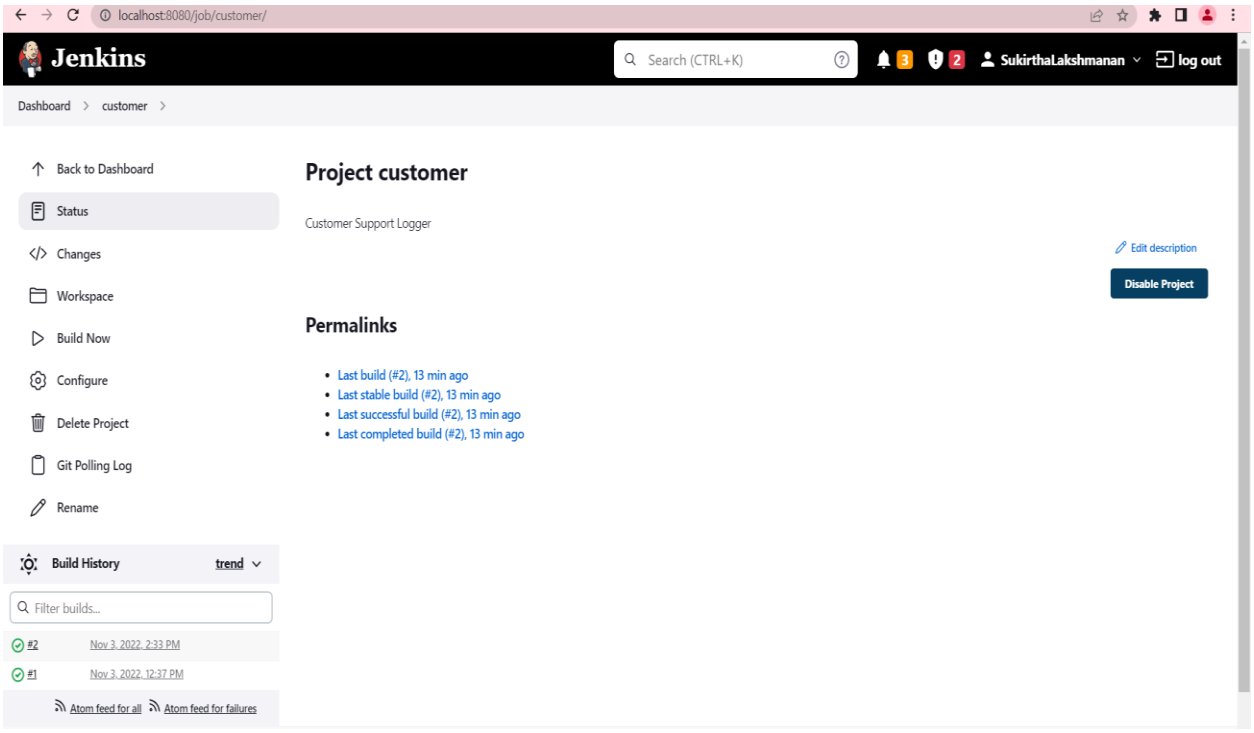


Model:

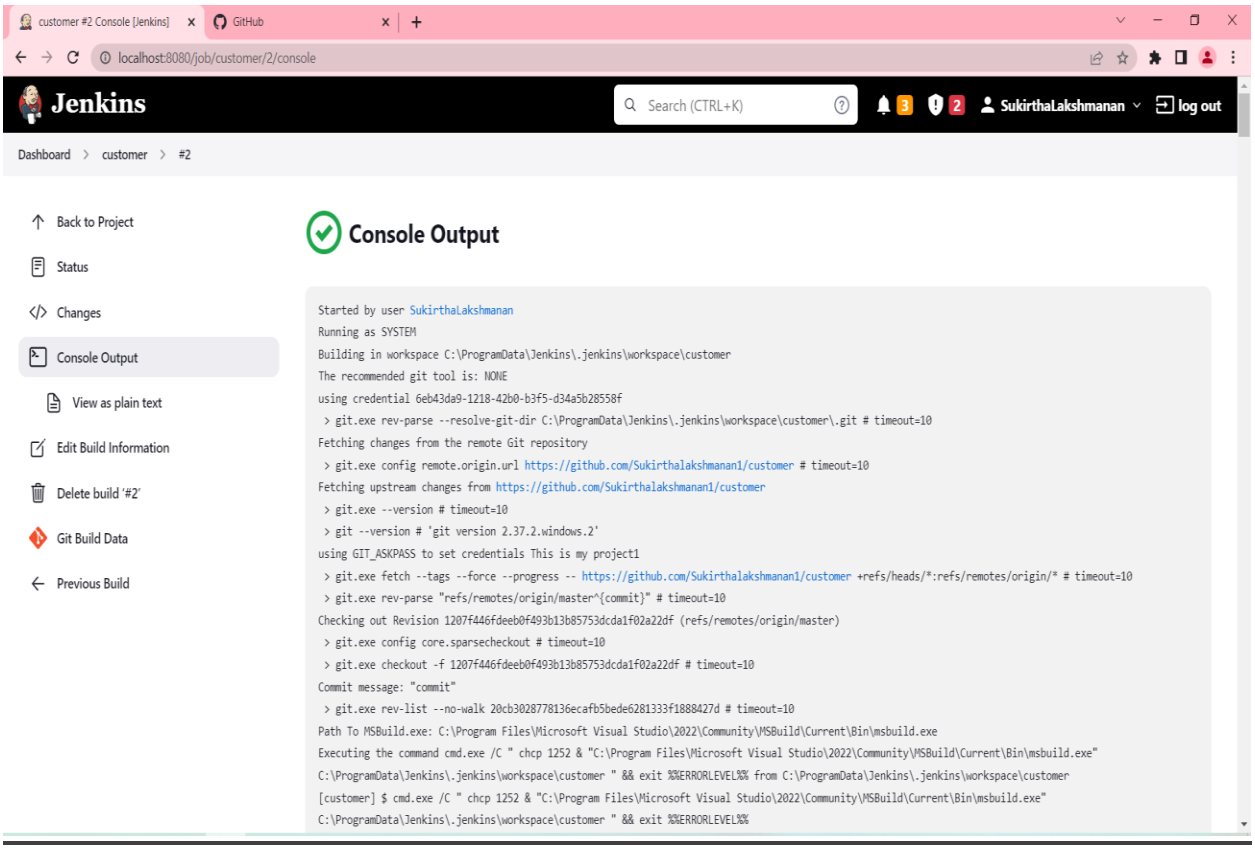


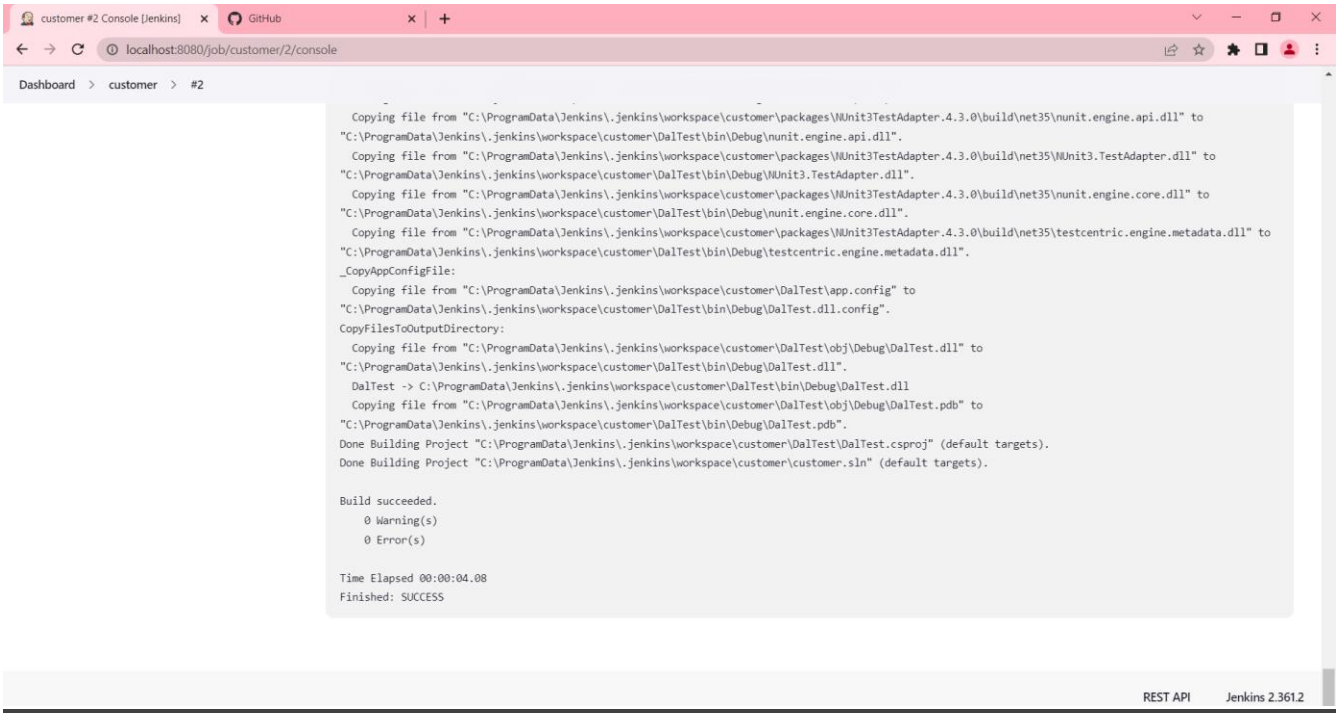
Jenkins:


Dashboard [Jenkins]
GitHub
localhost:8080
Jenkins
Search (CTRL+K)
SukirthaLakshmanan
log out
Dashboard
New Item
People
Build History
Project Relationship
Check File Fingerprint
Manage Jenkins
My Views
Add description
All
S
W
Name
Last Success
Last Failure
Last Duration
Coverage
API project 12 days #8 13 days #5 18 sec n/a
customer 14 min #2 N/A 11 sec n/a
HelloProject 6 days 16 hr #13 13 days #8 3.8 sec n/a
JenkinsProject 12 days #11 N/A 15 sec n/a
MVC 12 days #13 13 days #9 17 sec n/a
MVC check 12 days #15 13 days #12 17 sec n/a
NewProject 6 days 16 hr #11 13 days #5 4.9 sec n/a
WebApplication_pizza 6 days 16 hr #20 6 days 16 hr #12 3.9 sec n/a
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
2 Idle

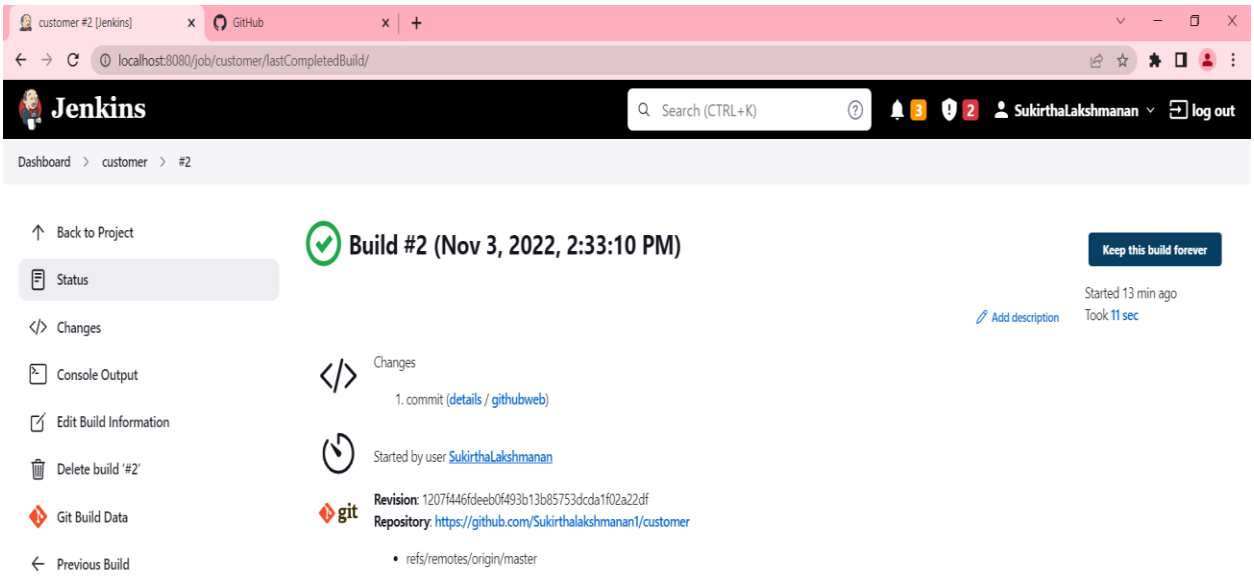

localhost:8080/job/customer/
Jenkins
Search (CTRL+K)
SukirthaLakshmanan
log out
Dashboard
customer
Back to Dashboard
Status
Changes
Workspace
Build Now
Configure
Delete Project
Git Polling Log
Rename
Project customer
Customer Support Logger
Edit description
Disable Project
Permalinks
Last build (#2), 13 min ago
Last stable build (#2), 13 min ago
Last successful build (#2), 13 min ago
Last completed build (#2), 13 min ago
Build History
trend
Filter builds...
#2 Nov 3, 2022, 2:33 PM
#1 Nov 3, 2022, 12:37 PM
Atom feed for all
Atom feed for failures

Console Output:

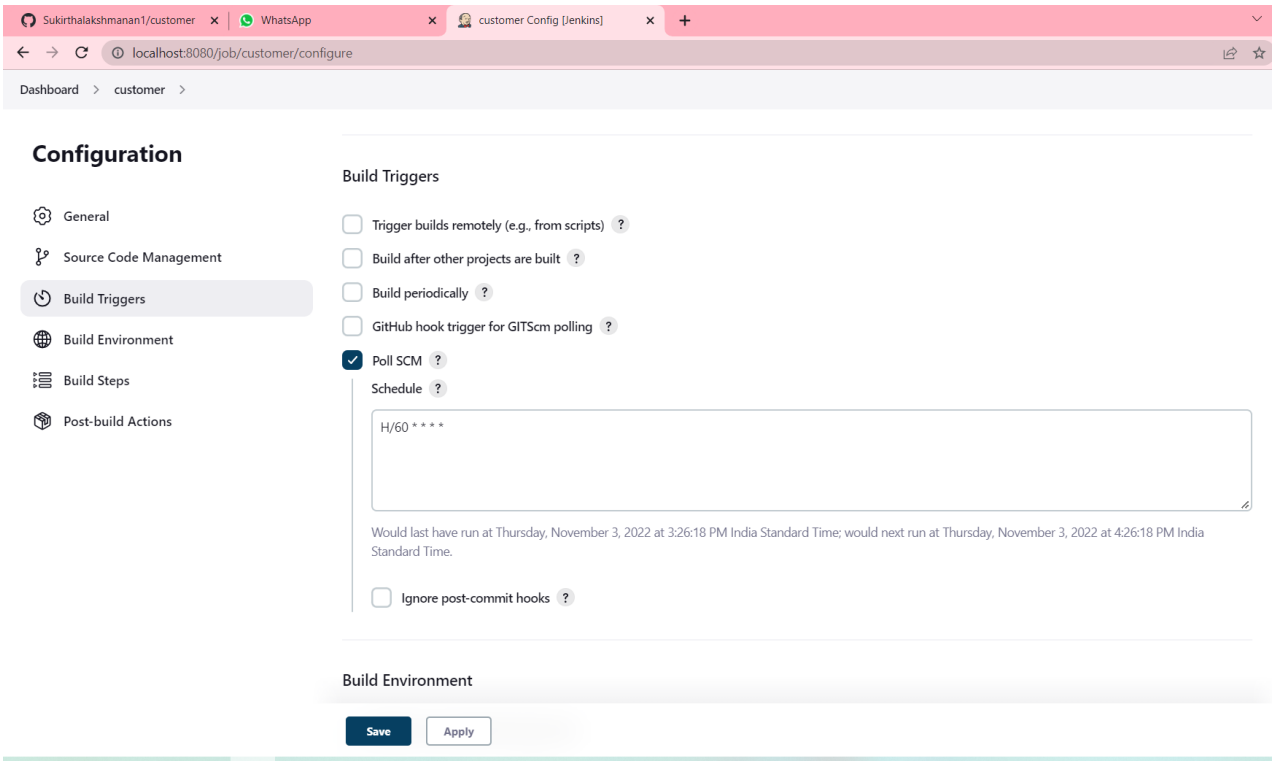




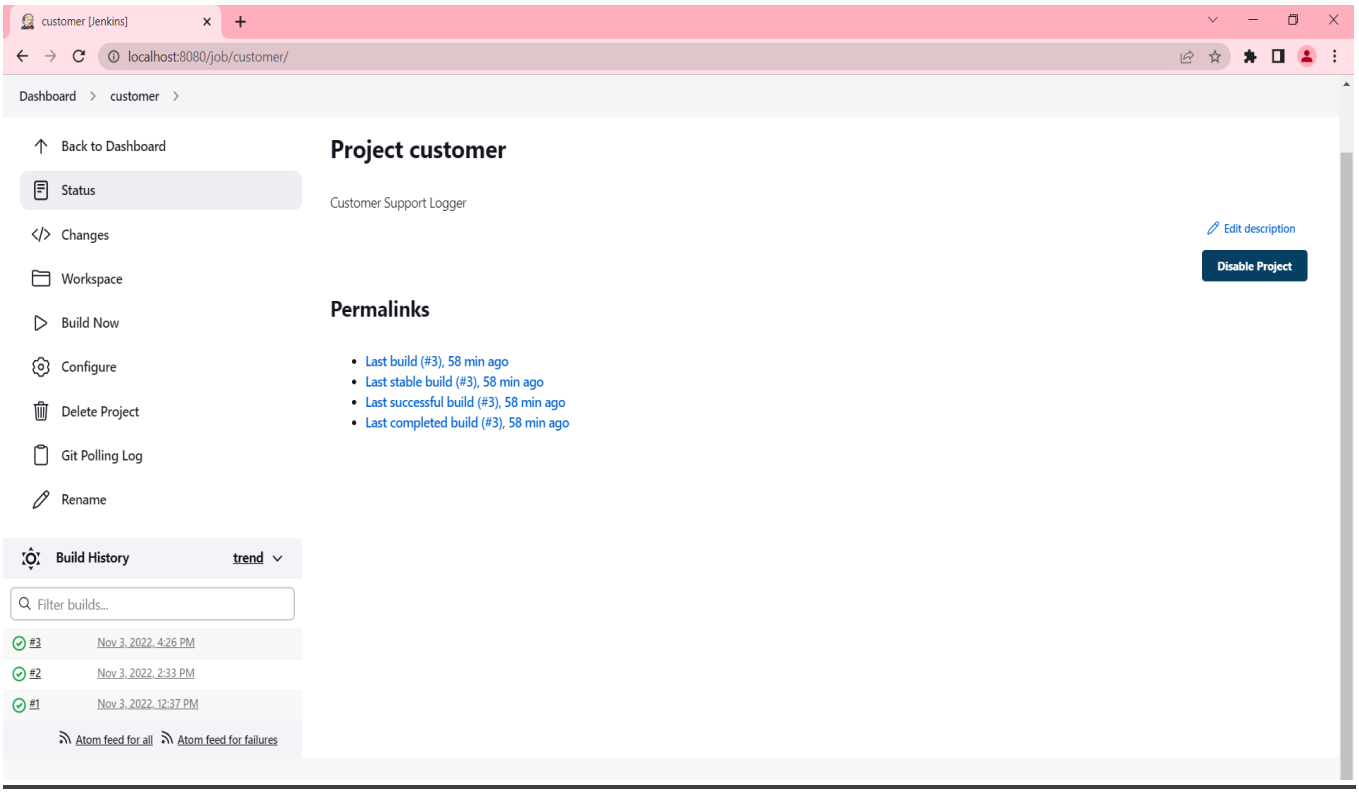
Build 2:



Poll SCM:



Build 3:



Conclusion:

Thus the application is developed successfully.