Web Application Deployed via Jenkins

Practice Project

Aim:

Create a sample web application in .NET and configure it to be deployed via Jenkins.

GitHub link:

https://github.com/Sukirthalakshmanan1/JenkinsWebApplication

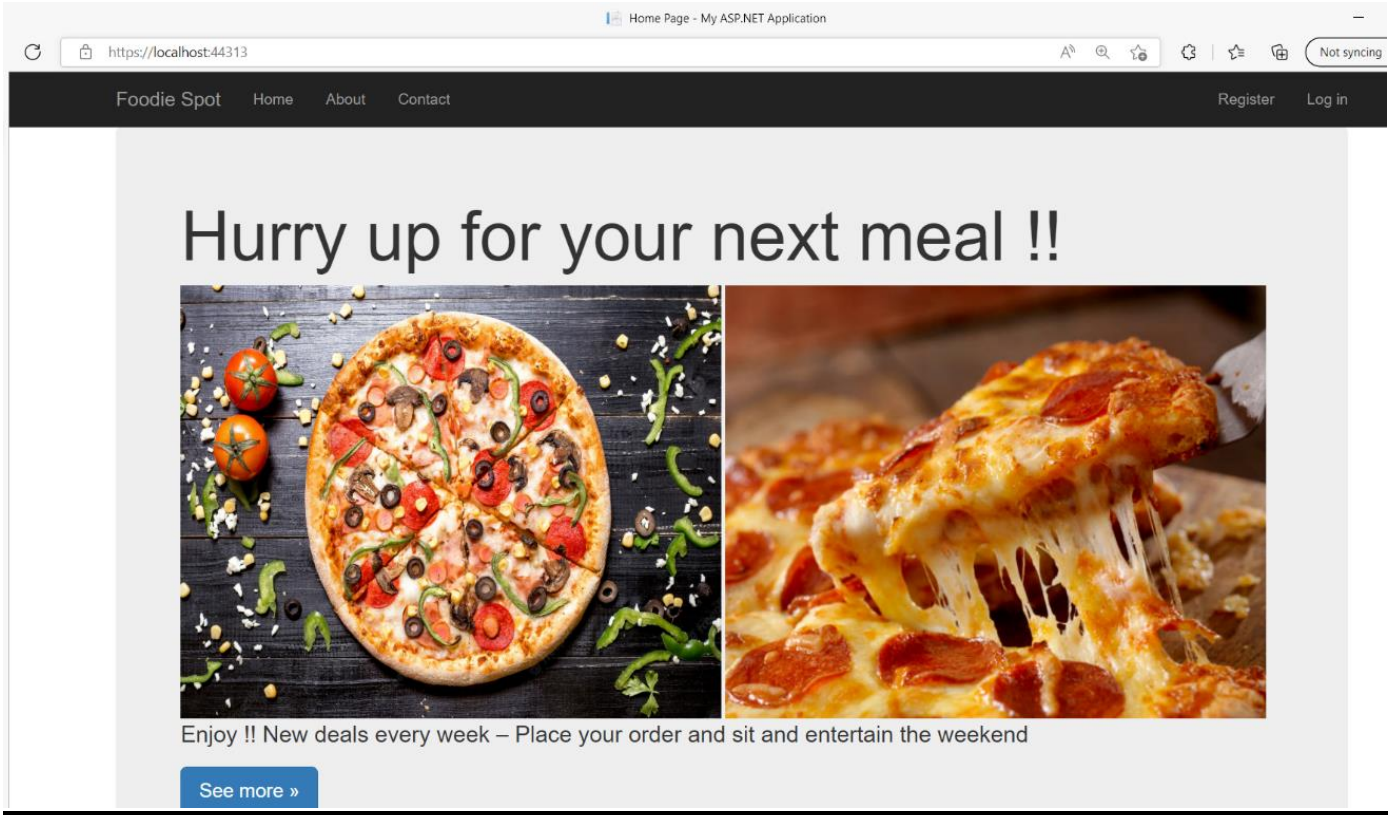
Procedure:

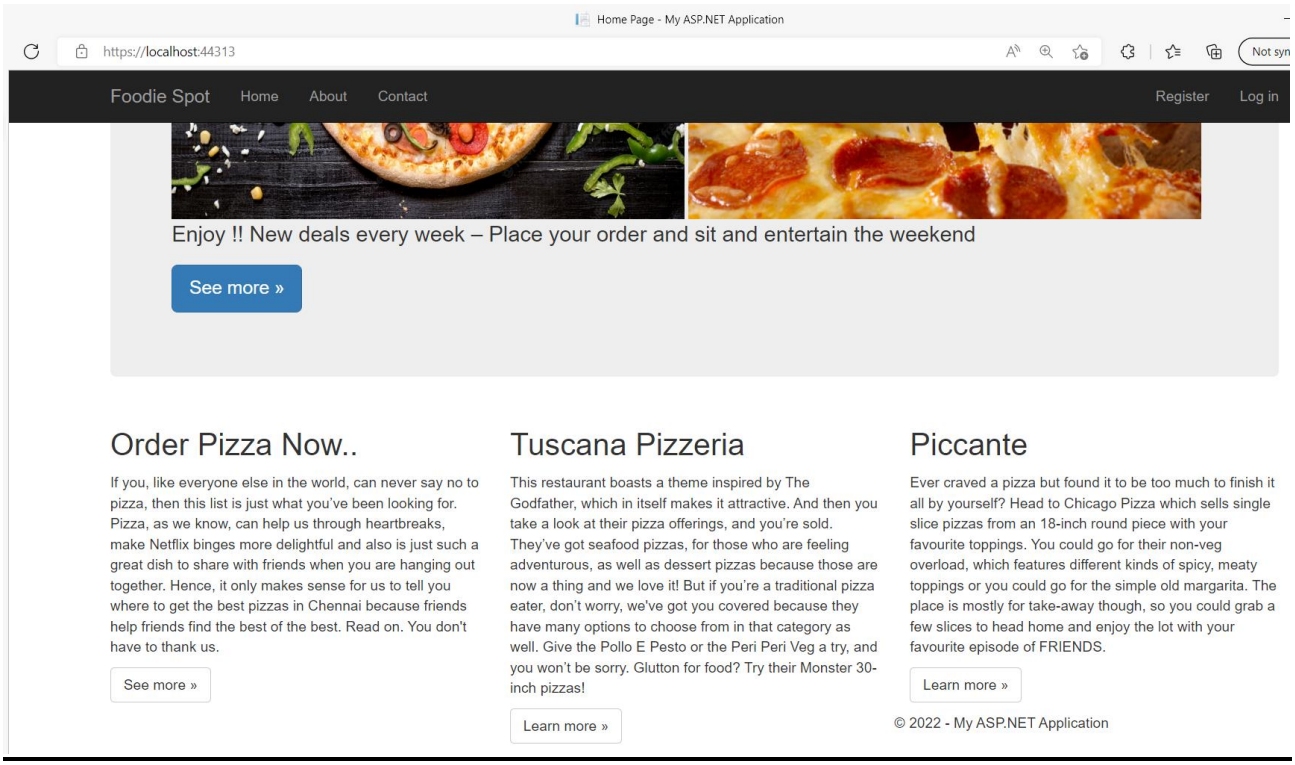
- ✓ Create three class Library BAL(Business Access Logic layer),DAL,Helper classes.
- ✓ BAL class has the properties of the class and their validations
- ✓ DAL class has the logic to access the data from the database
- ✓ Helper class is used as an extra layer over DAL to hide the details of the logic.
- ✓ Add Business Reference to DAL and Helper.
- ✓ Add DAL reference to Helper.
- ✓ Add Helper reference to Application.
- ✓ Build the solution and set the dependencies.
- ✓ MVC depends on BAL and Helper
- ✓ Data Acccess Library depends on BAL
- ✓ Helper depends on BAL and DAL
- ✓ Create a model Pizza1
- ✓ Create a controller class pizzaController
- ✓ Create views for Create,delete,details,Edit and list
- ✓ And run all
- ✓ After the Application runs push it to GitHub repository
- ✓ 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.

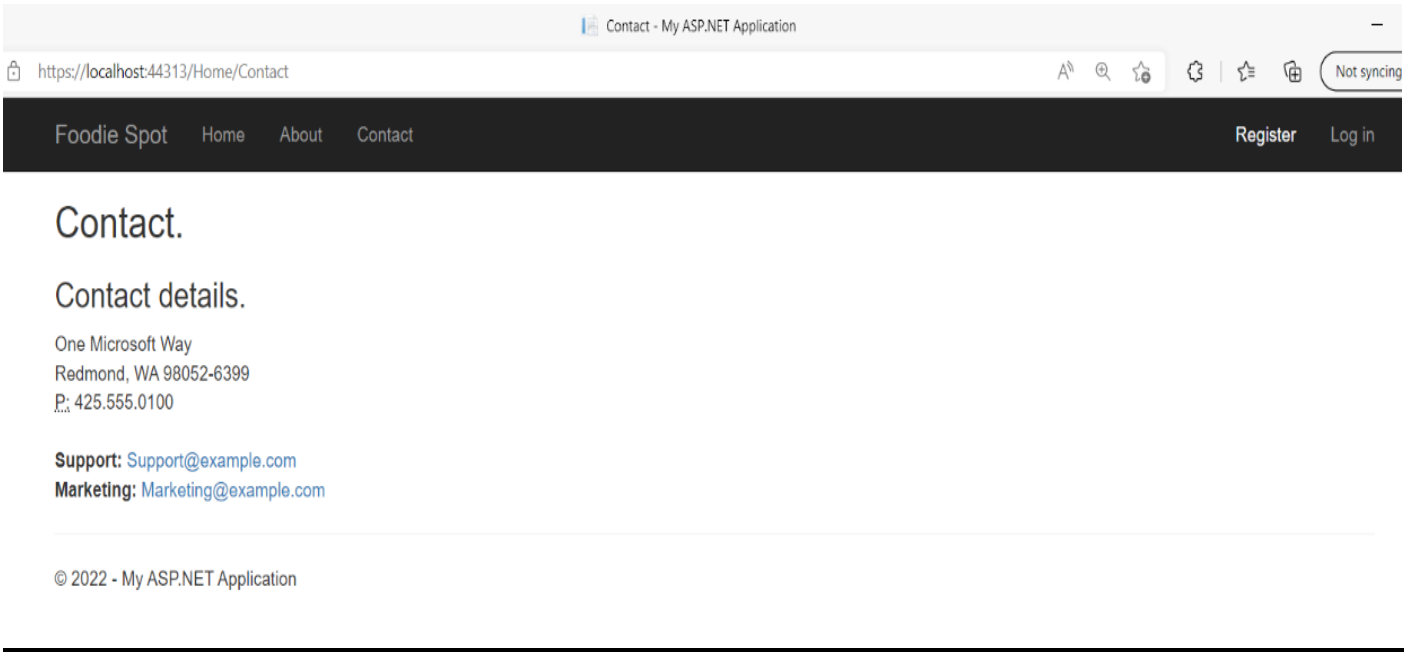
Output:

Home Page:




Home Page - My ASP.NET Application
https://localhost:44313
Foodie Spot
Home
About
Contact
Register
Log in
Enjoy !! New deals every week – Place your order and sit and entertain the weekend
See more »
Order Pizza Now..
If you, like everyone else in the world, can never say no to pizza, then this list is just what you've been looking for. Pizza, as we know, can help us through heartbreaks, make Netflix binges more delightful and also is just such a great dish to share with friends when you are hanging out together. Hence, it only makes sense for us to tell you where to get the best pizzas in Chennai because friends help friends find the best of the best. Read on. You don't have to thank us.
See more »
Tuscana Pizzeria
This restaurant boasts a theme inspired by The Godfather, which in itself makes it attractive. And then you take a look at their pizza offerings, and you're sold. They've got seafood pizzas, for those who are feeling adventurous, as well as dessert pizzas because those are now a thing and we love it! But if you're a traditional pizza eater, don't worry, we've got you covered because they have many options to choose from in that category as well. Give the Pollo E Pesto or the Peri Peri Veg a try, and you won't be sorry. Glutton for food? Try their Monster 30-inch pizzas!
Learn more »
Piccante
Ever craved a pizza but found it to be too much to finish it all by yourself? Head to Chicago Pizza which sells single slice pizzas from an 18-inch round piece with your favourite toppings. You could go for their non-veg overload, which features different kinds of spicy, meaty toppings or you could go for the simple old margarita. The place is mostly for take-away though, so you could grab a few slices to head home and enjoy the lot with your favourite episode of FRIENDS.
Learn more »
© 2022 - My ASP.NET Application

Contact:


Contact - My ASP.NET Application
https://localhost:44313/Home/Contact
Foodie Spot
Home
About
Contact
Register
Log in
Contact.
Contact details.
One Microsoft Way
Redmond, WA 98052-6399
P: 425.555.0100
Support: Support@example.com
Marketing: Marketing@example.com
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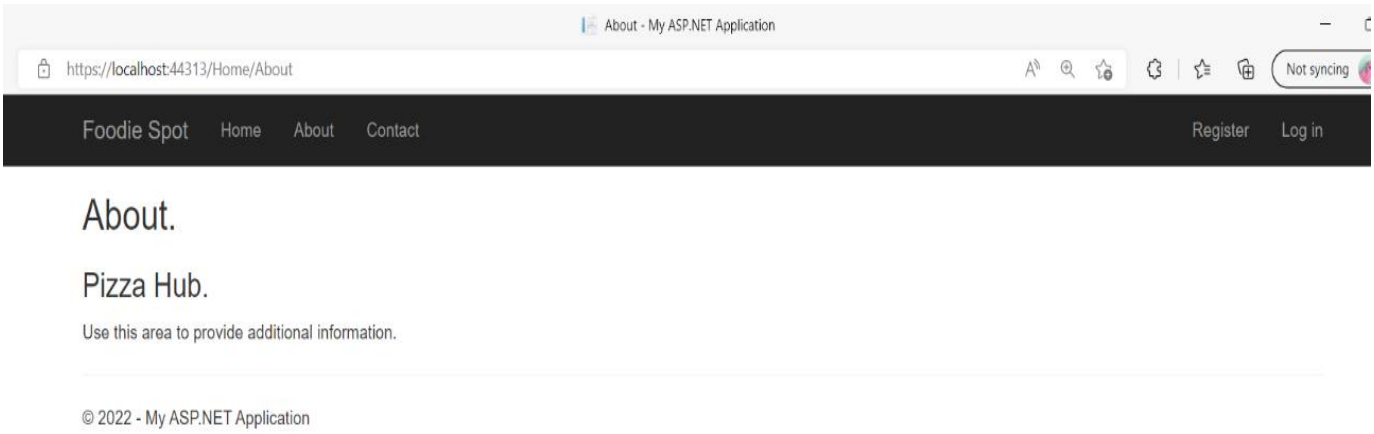
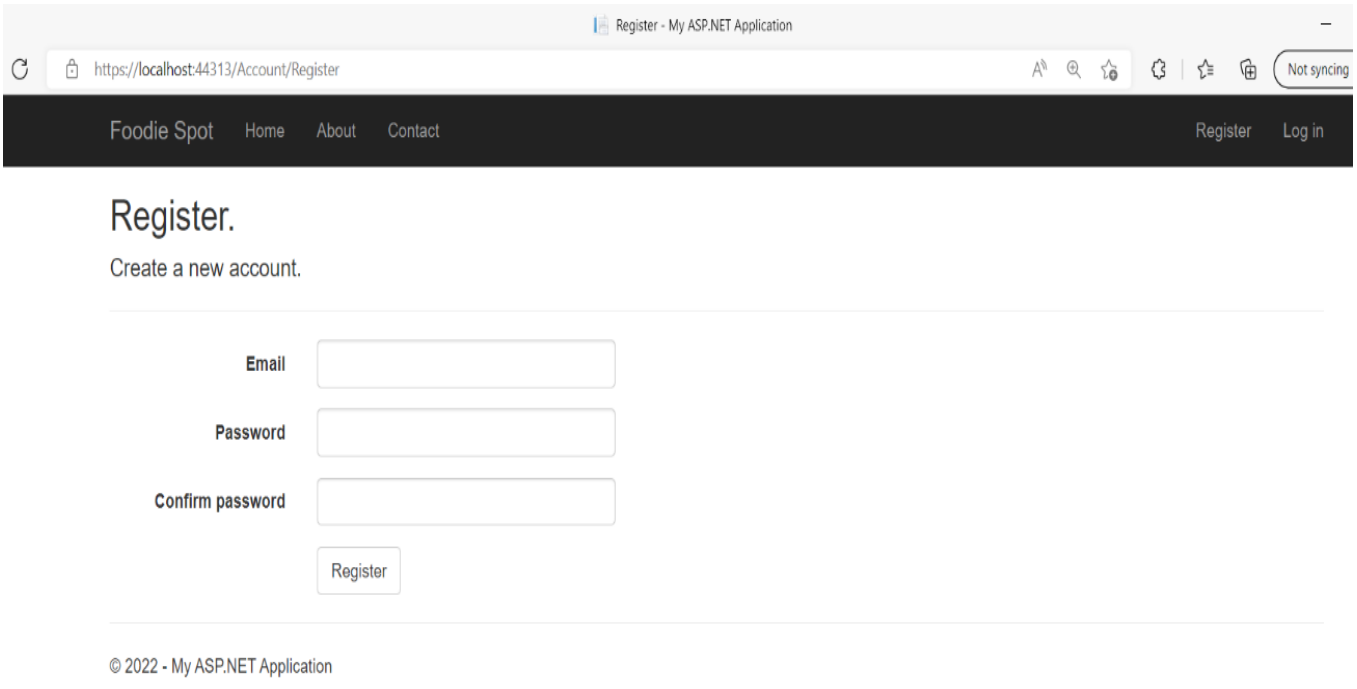
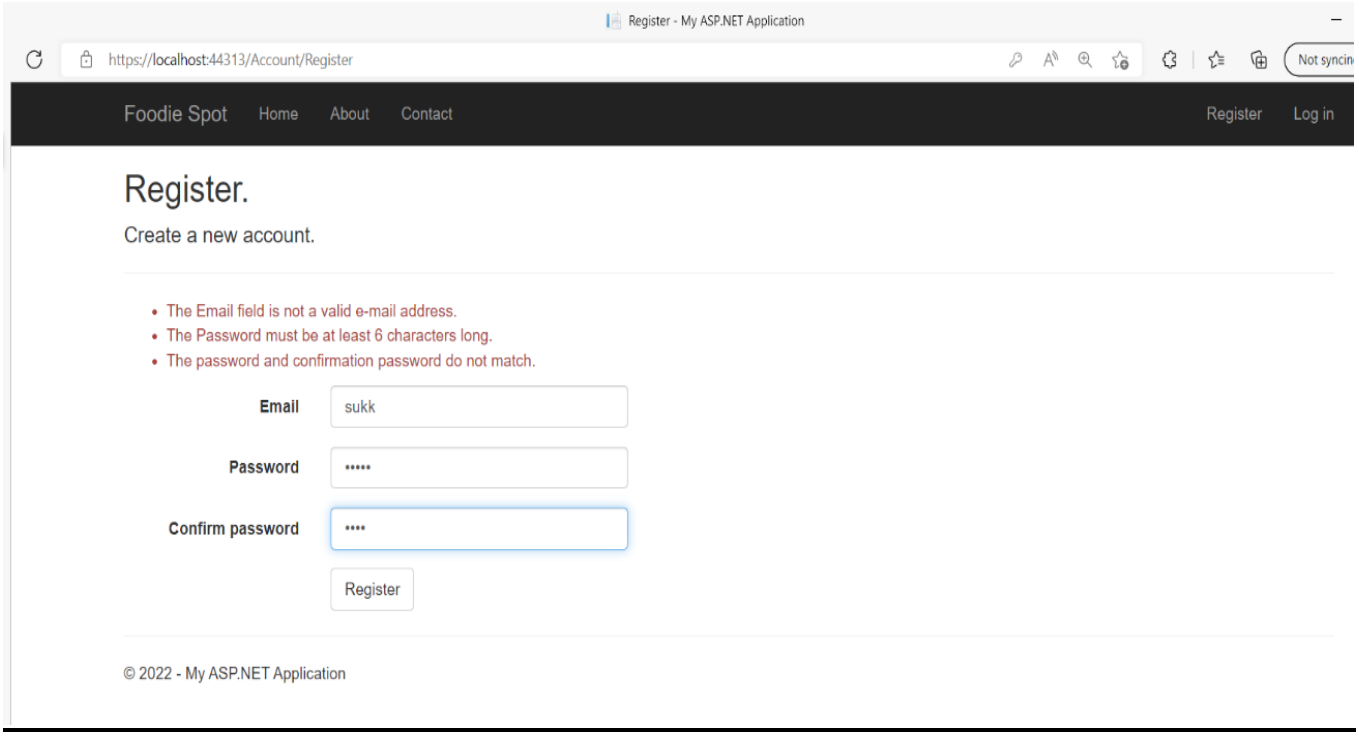
About:

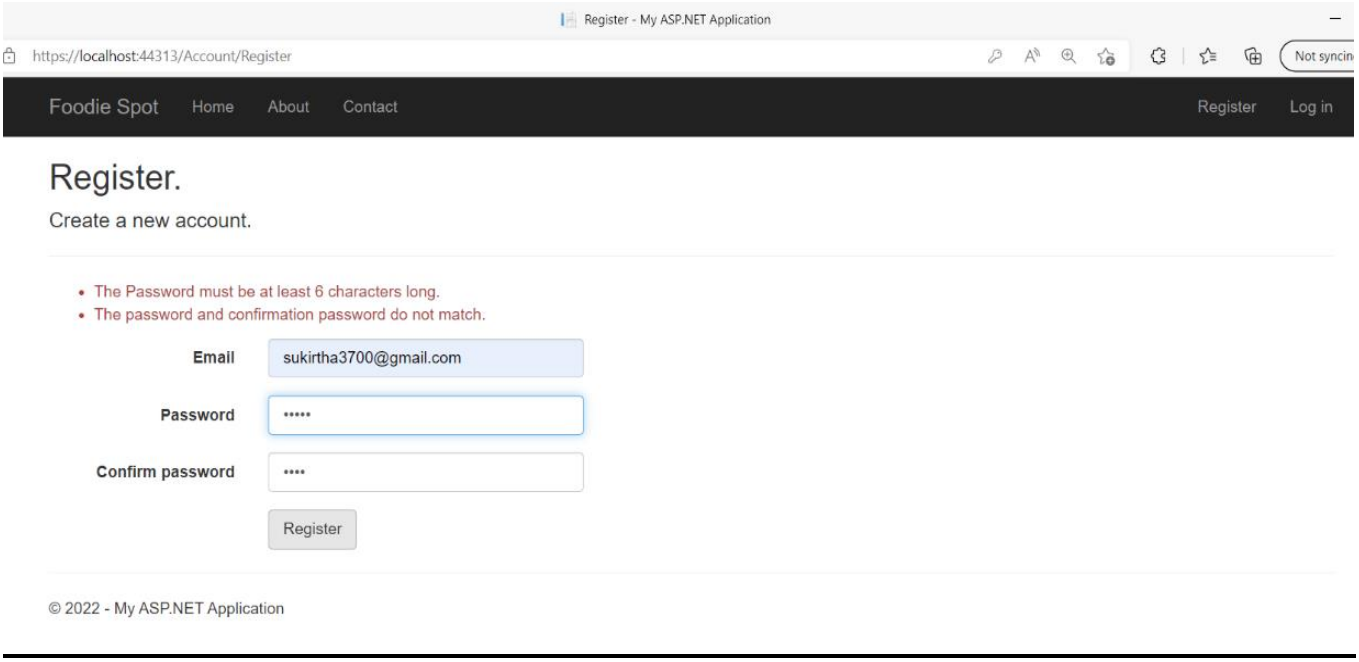


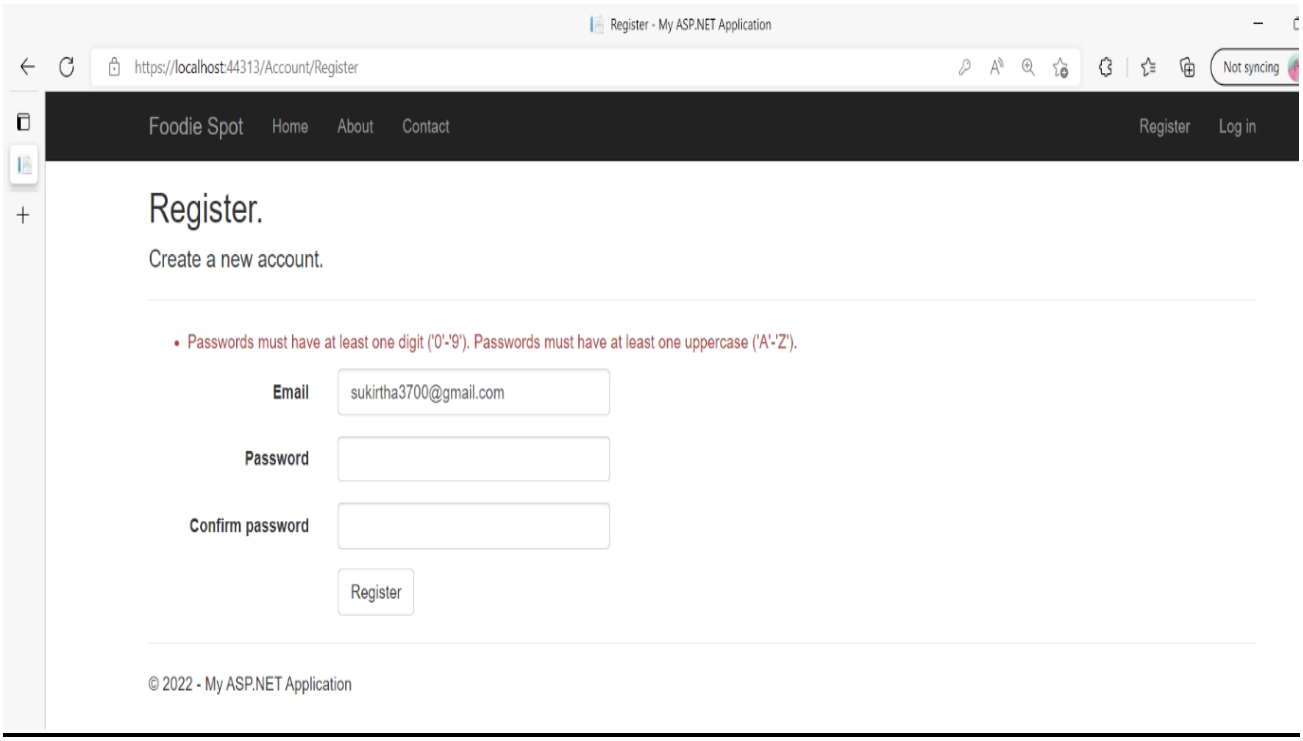
Registration:



Validations:







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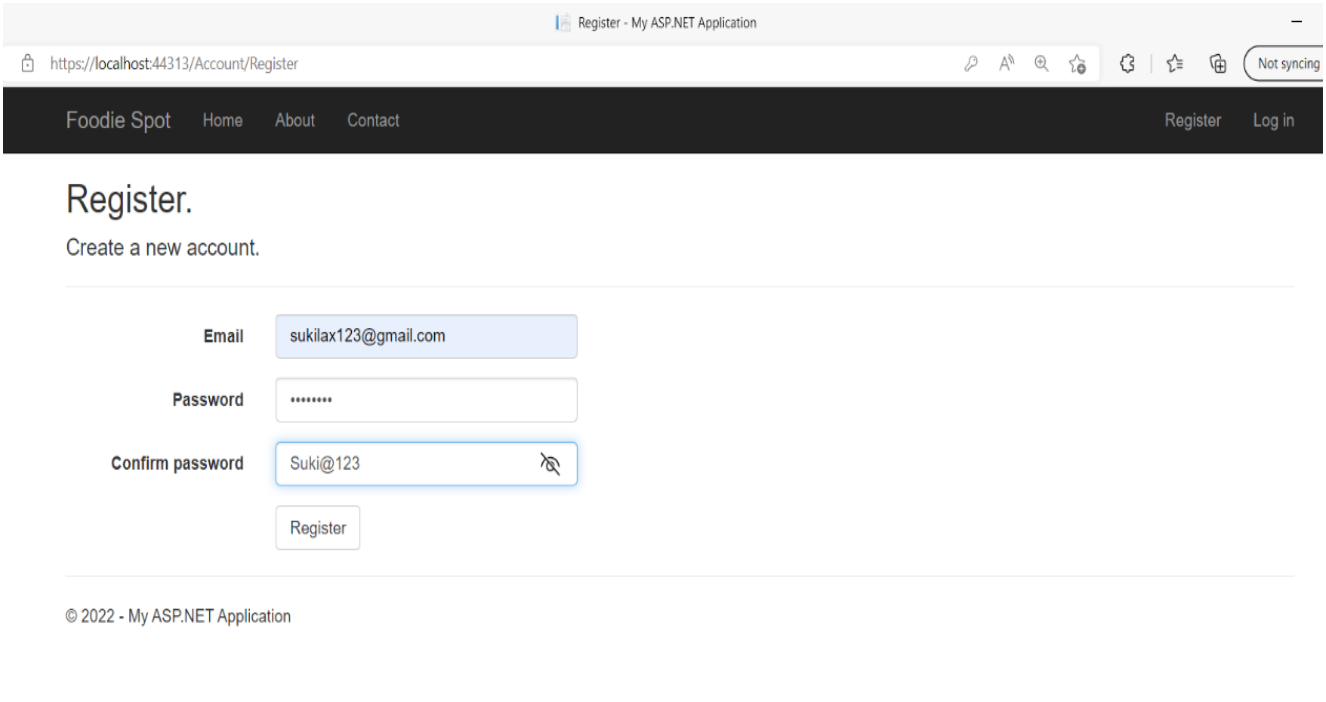
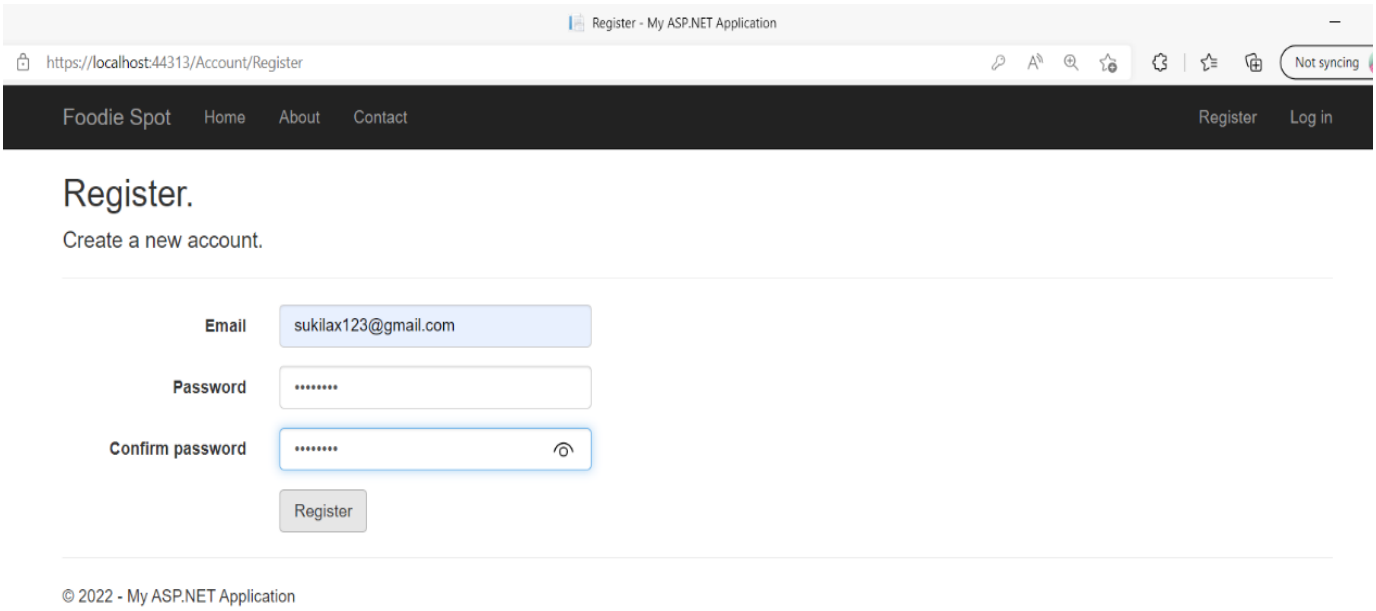
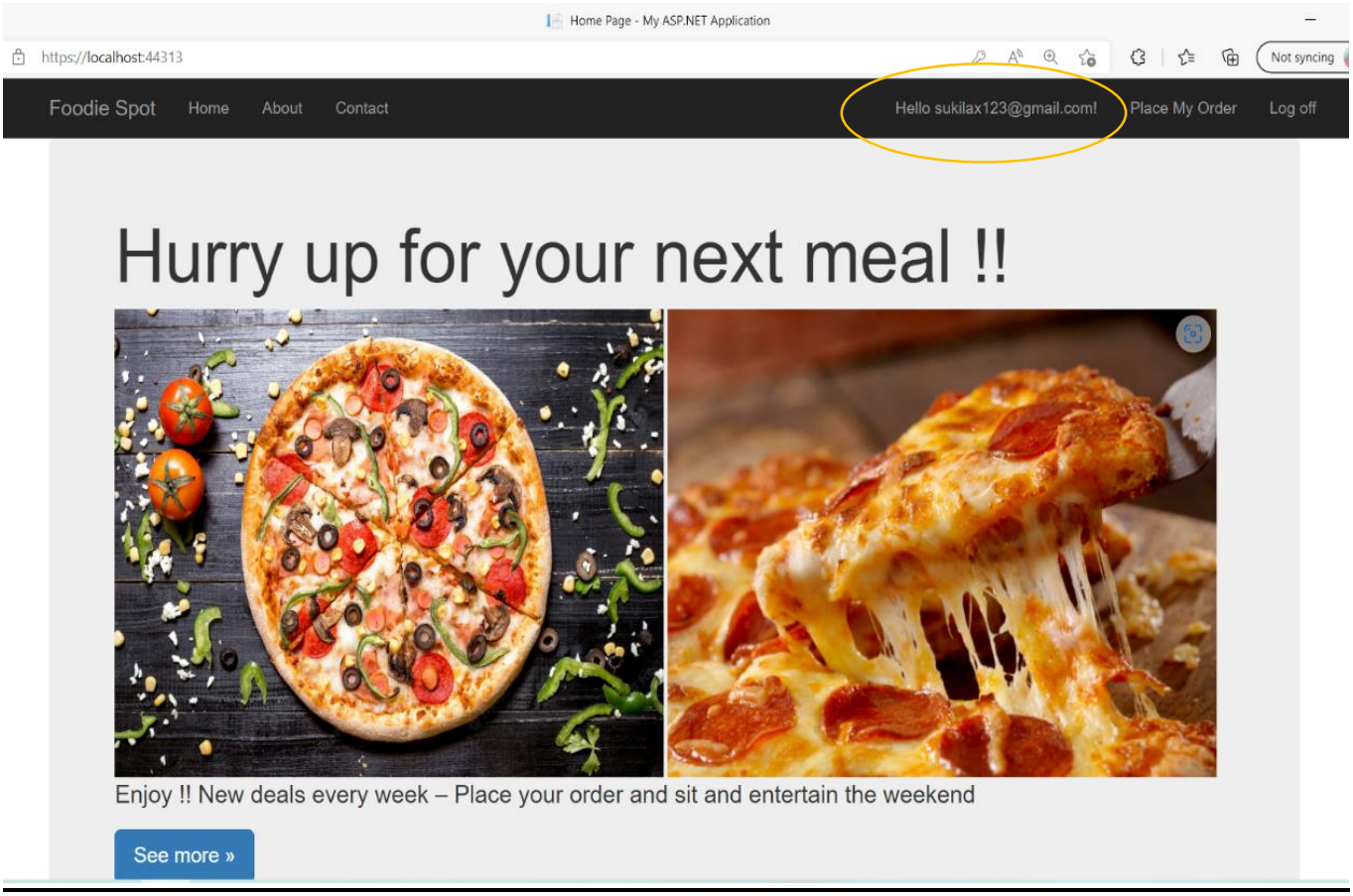
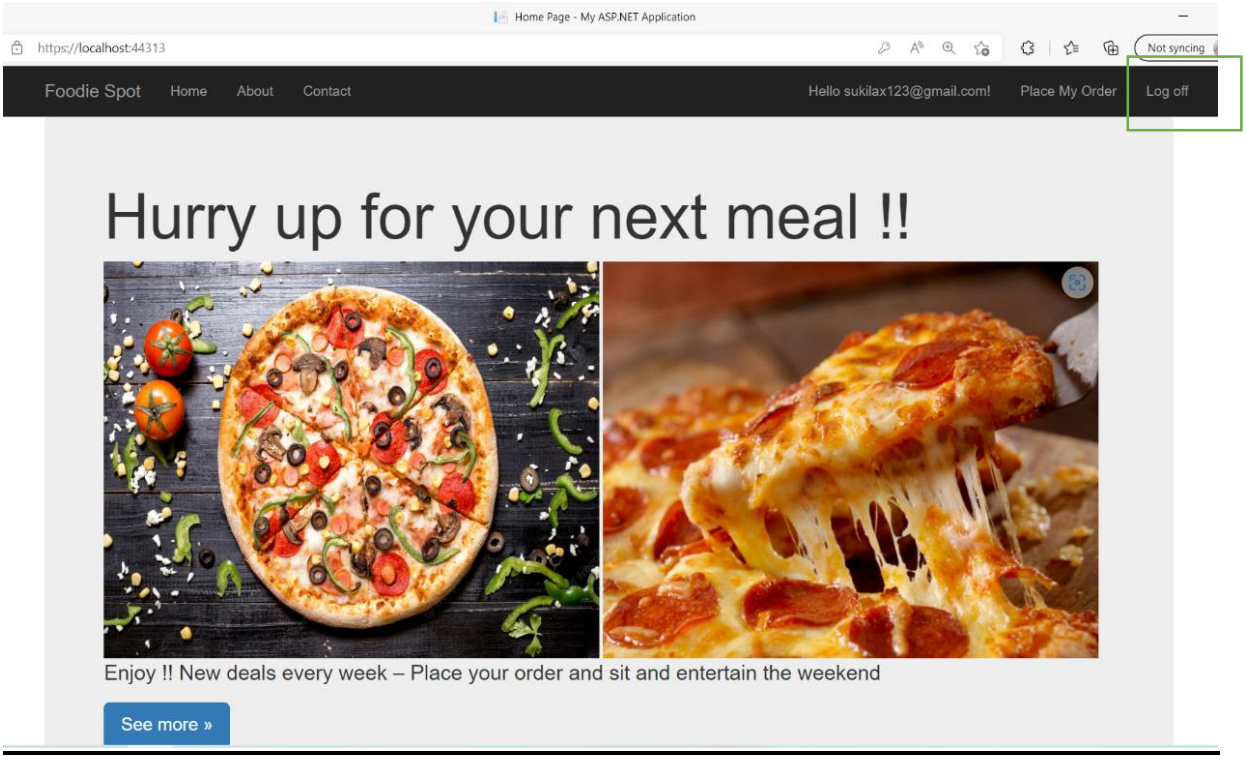


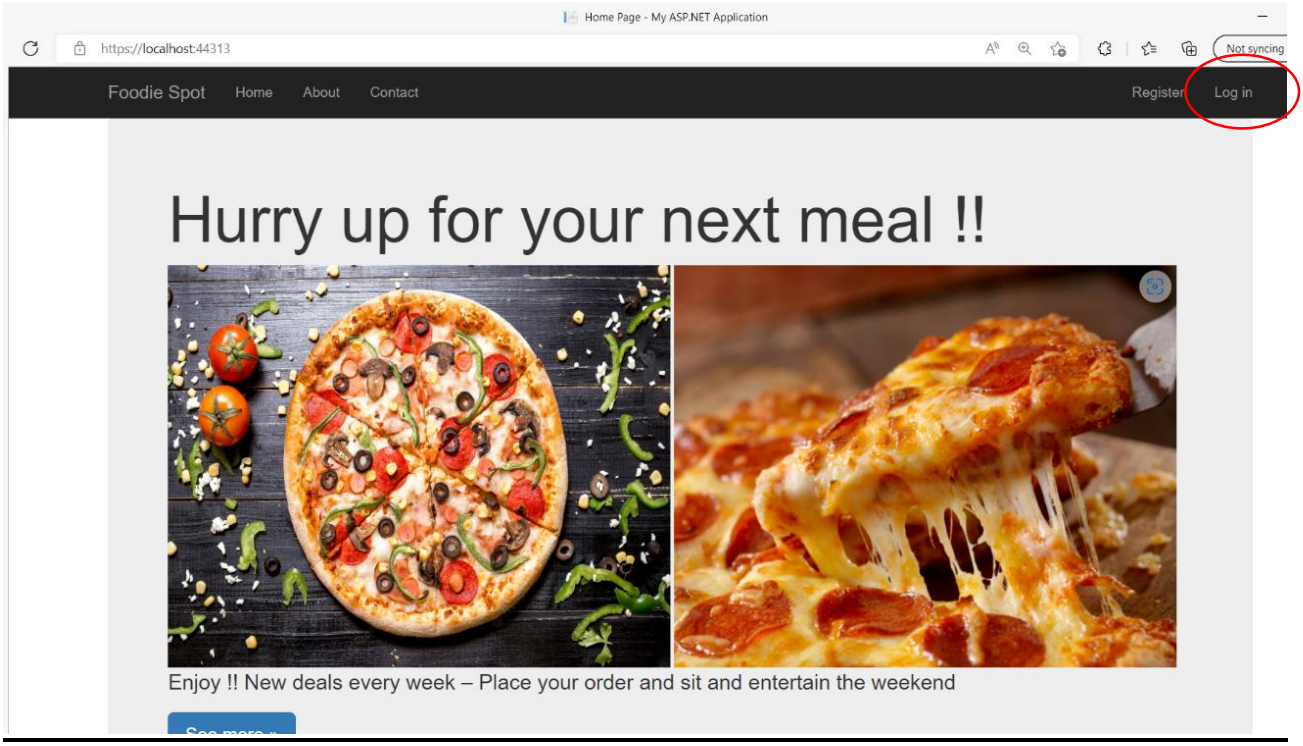

Register - My ASP.NET Application
https://localhost:44313/Account/Register
Not syncing
Foodie Spot
Home
About
Contact
Register
Log in
Register.
Create a new account.
Email
sukilax123@gmail.com
Password
Confirm password
Register
© 2022 - My ASP.NET Application

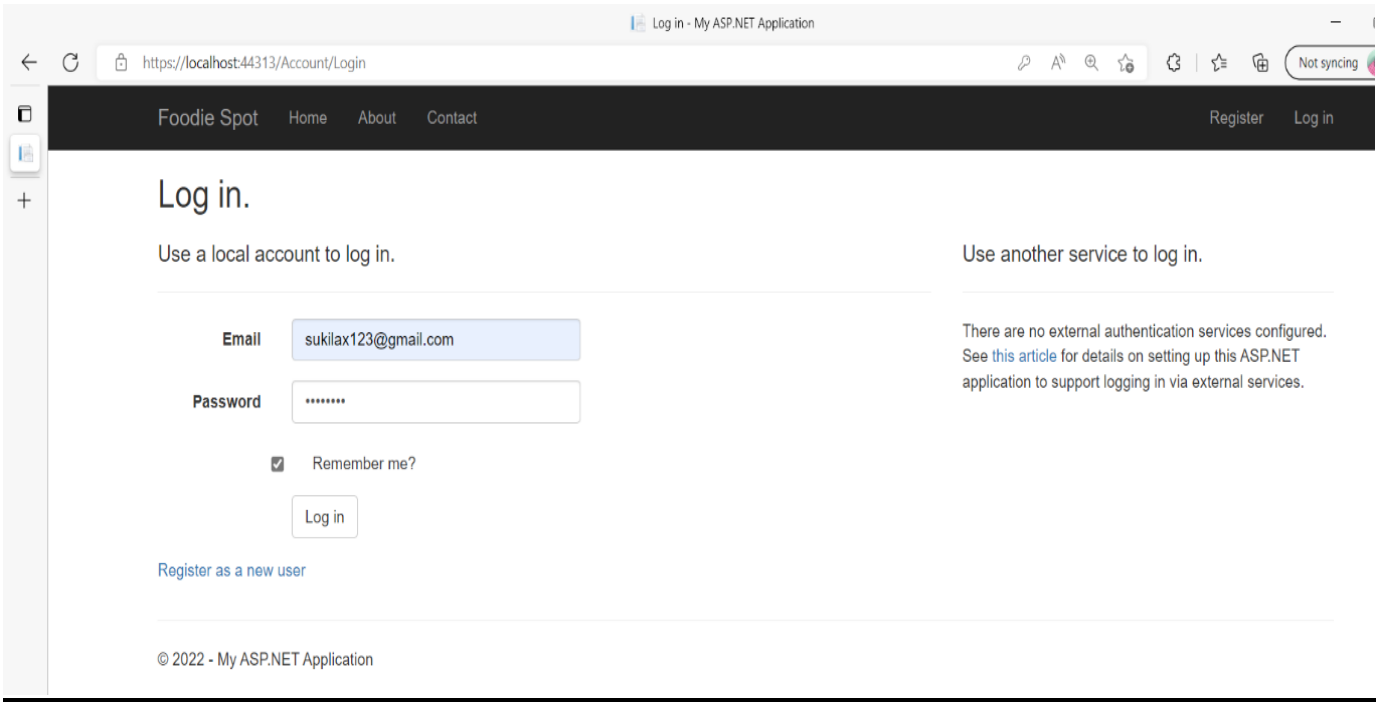

Home Page - My ASP.NET Application
https://localhost:44313
Not syncing
Foodie Spot
Home
About
Contact
Hello sukilax123@gmail.com!
Place My Order
Log off
Hurry up for your next meal !!
Enjoy !! New deals every week – Place your order and sit and entertain the weekend
See more »

Log off:

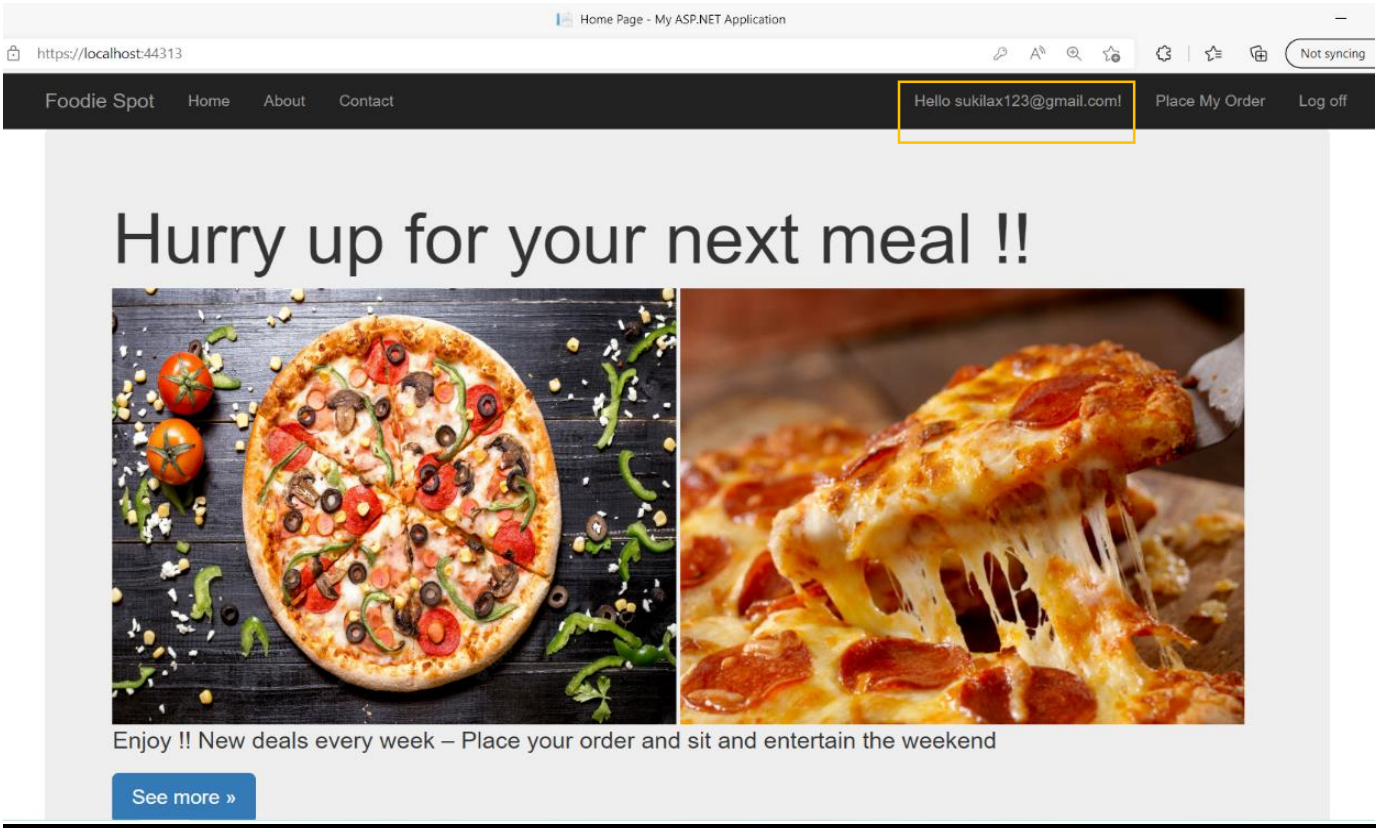


Login :

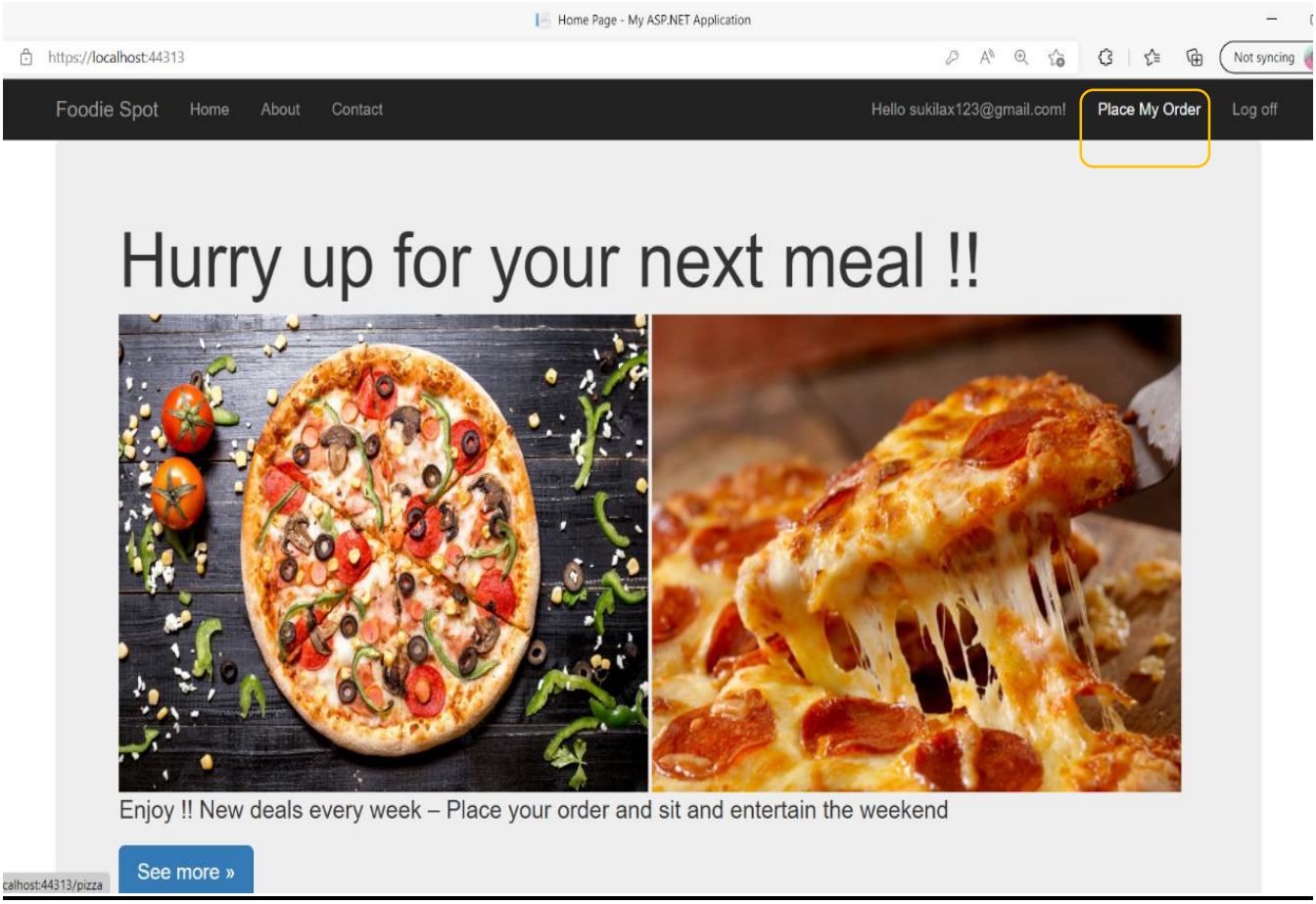




On successful Login:



Place my order:



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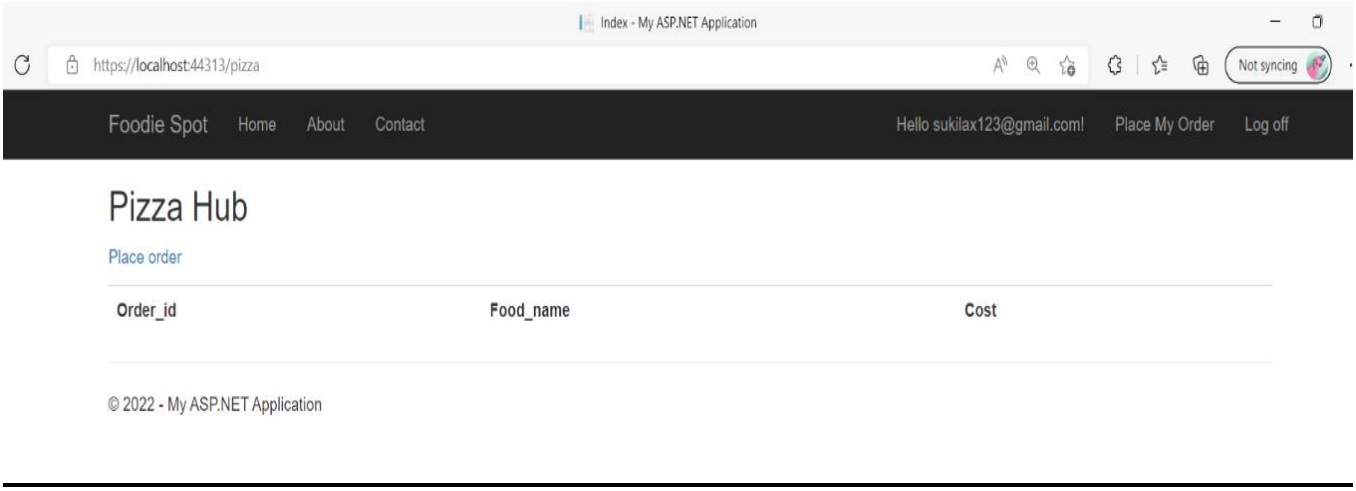
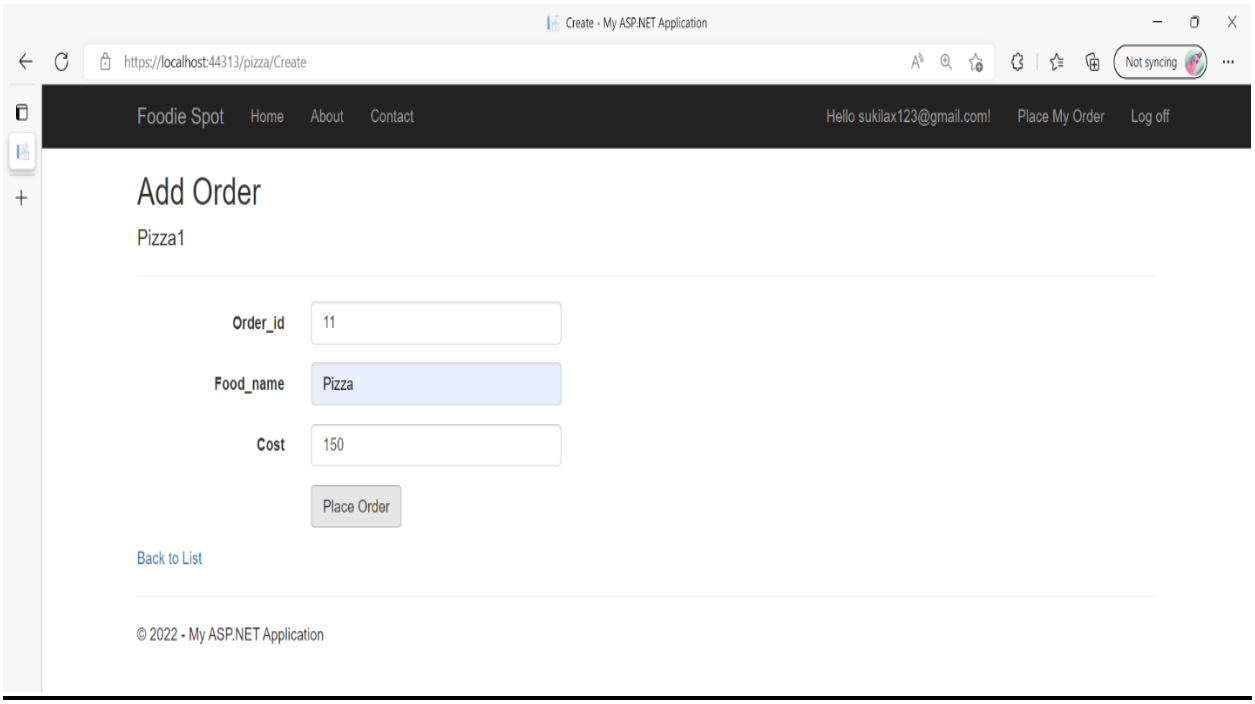
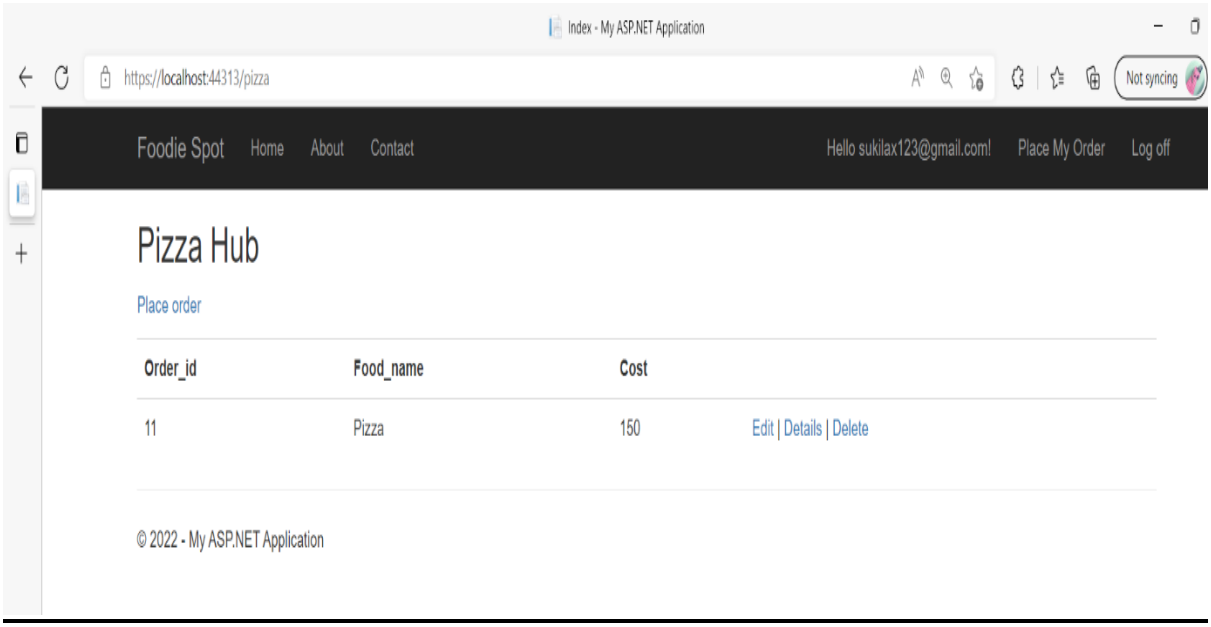
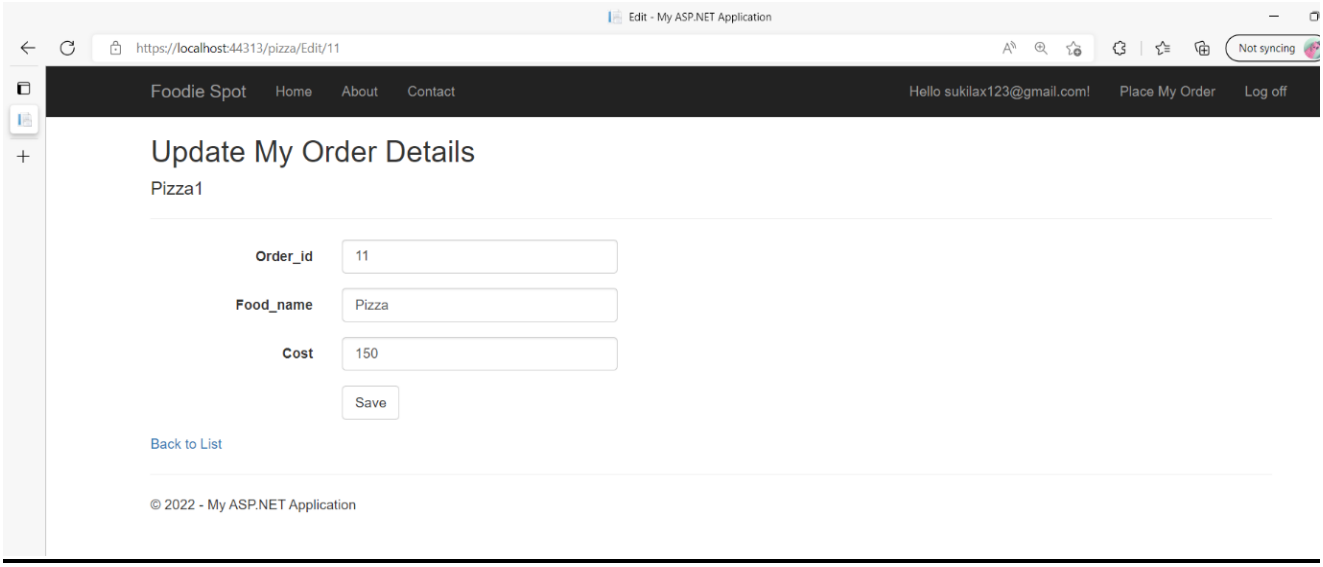


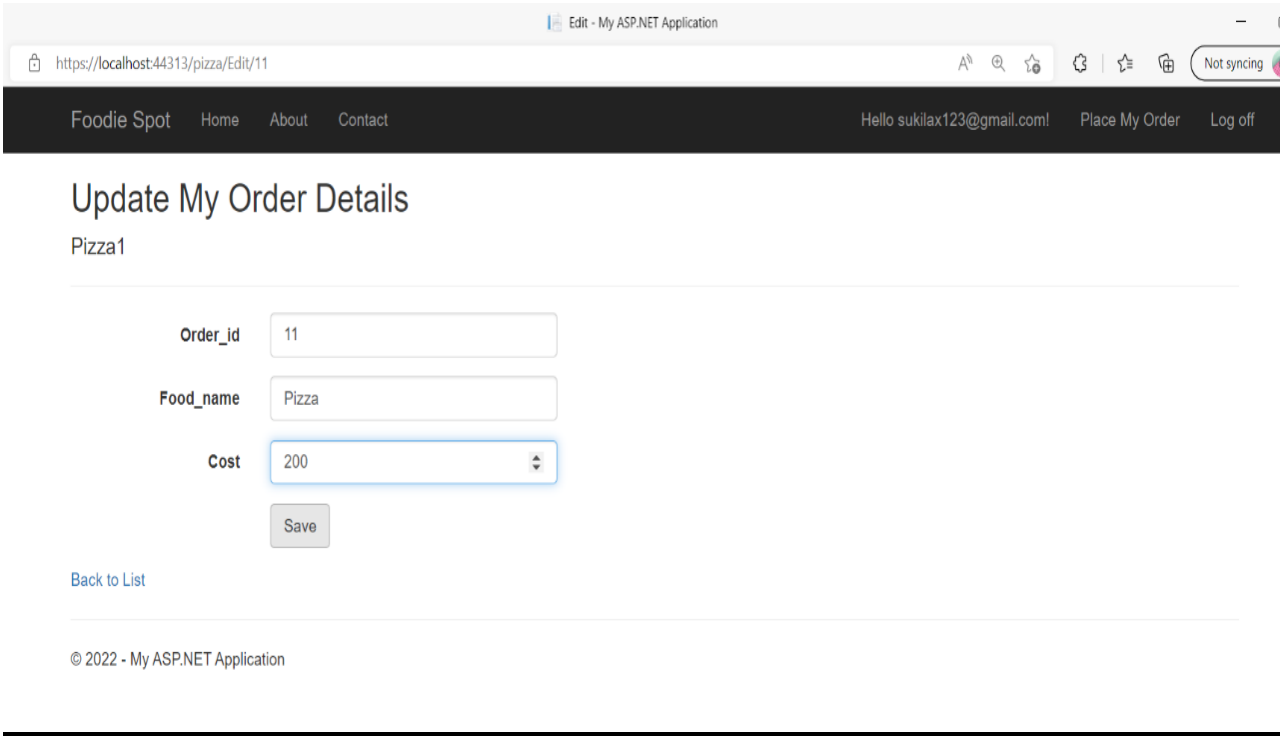


After adding an order list of order is displayed:

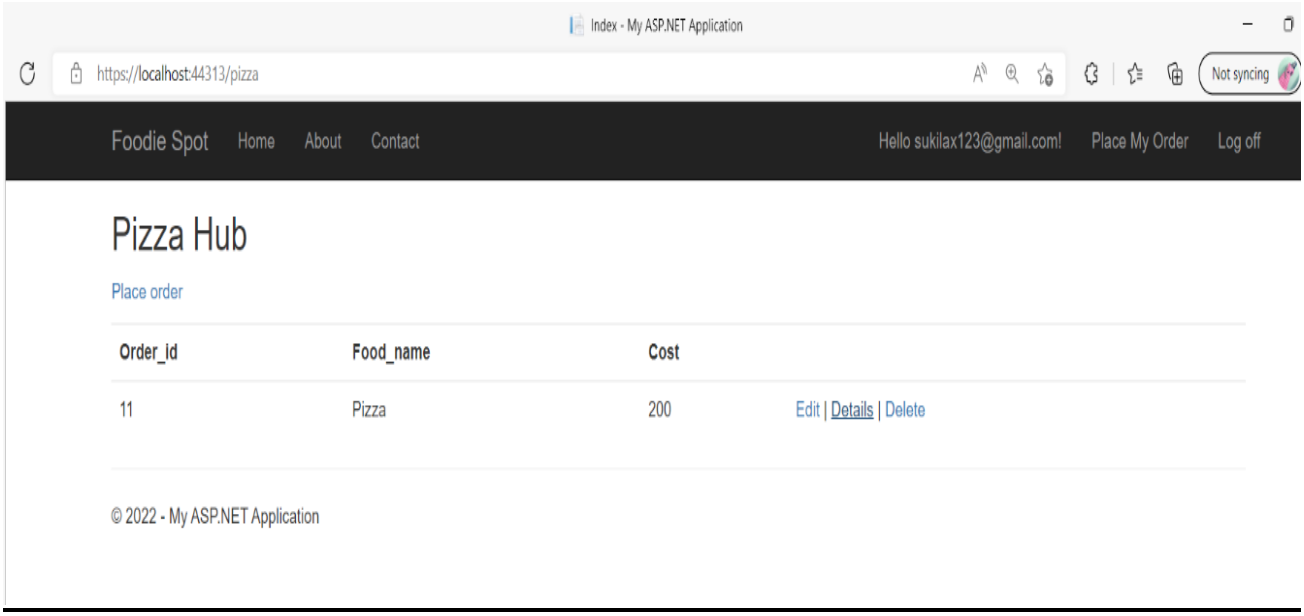


On clicking Edit to Update my order details:

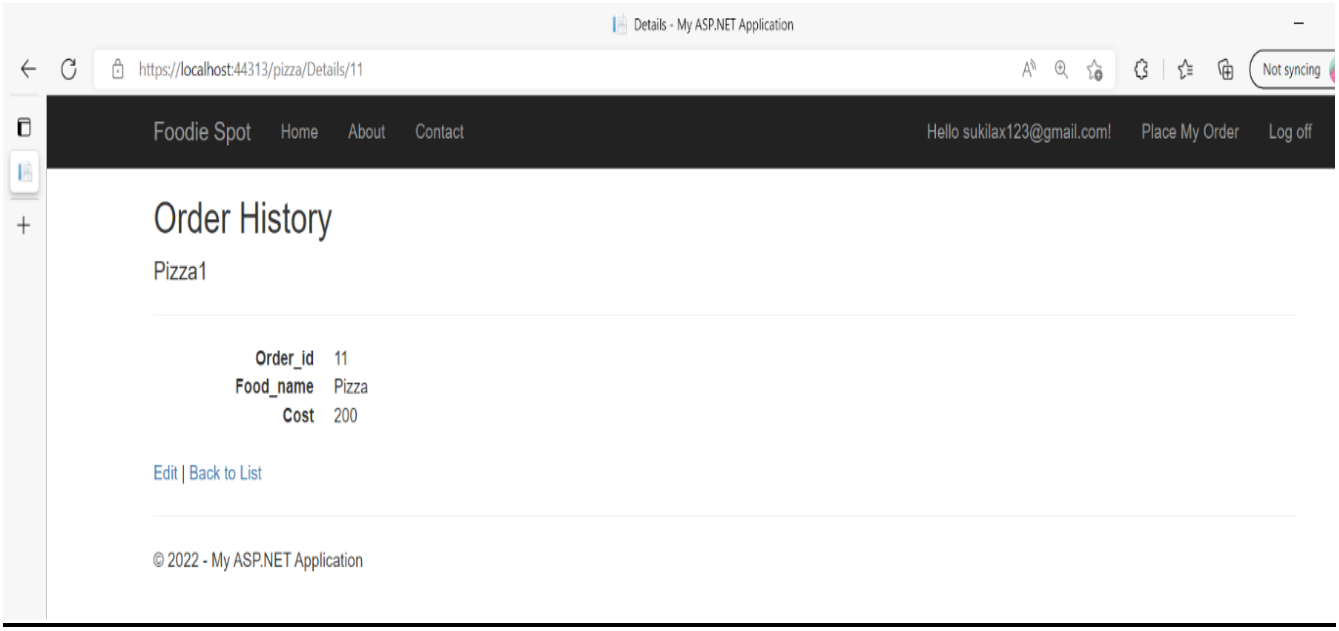




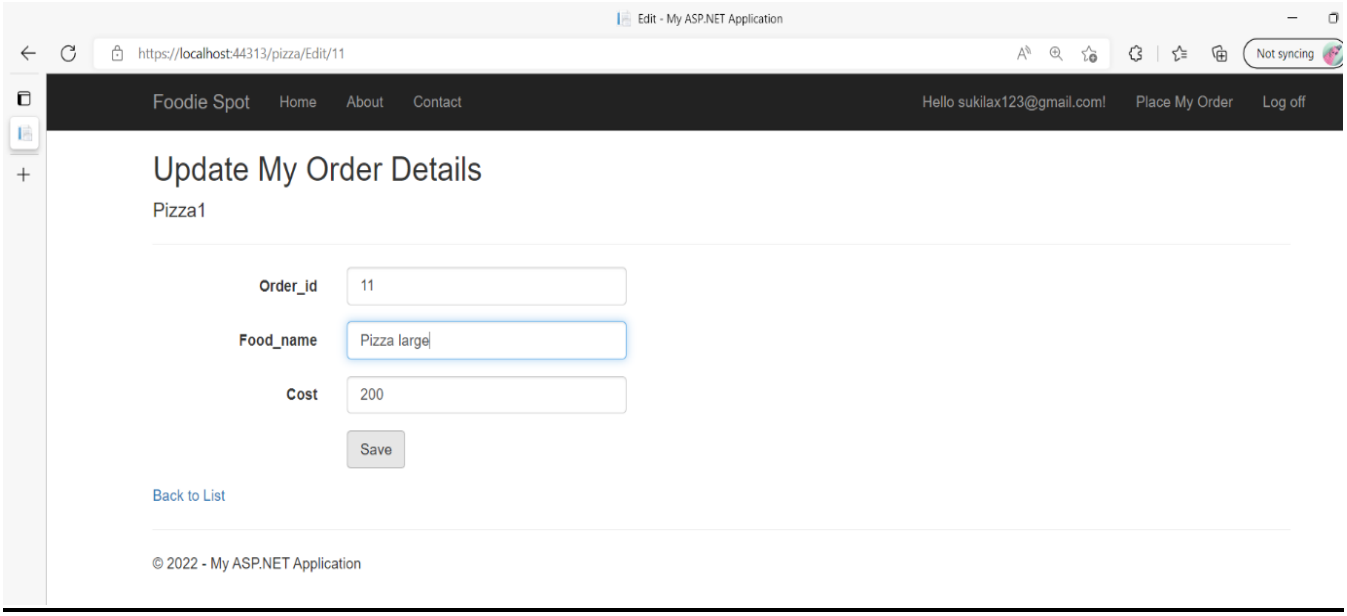
After updating the order details:



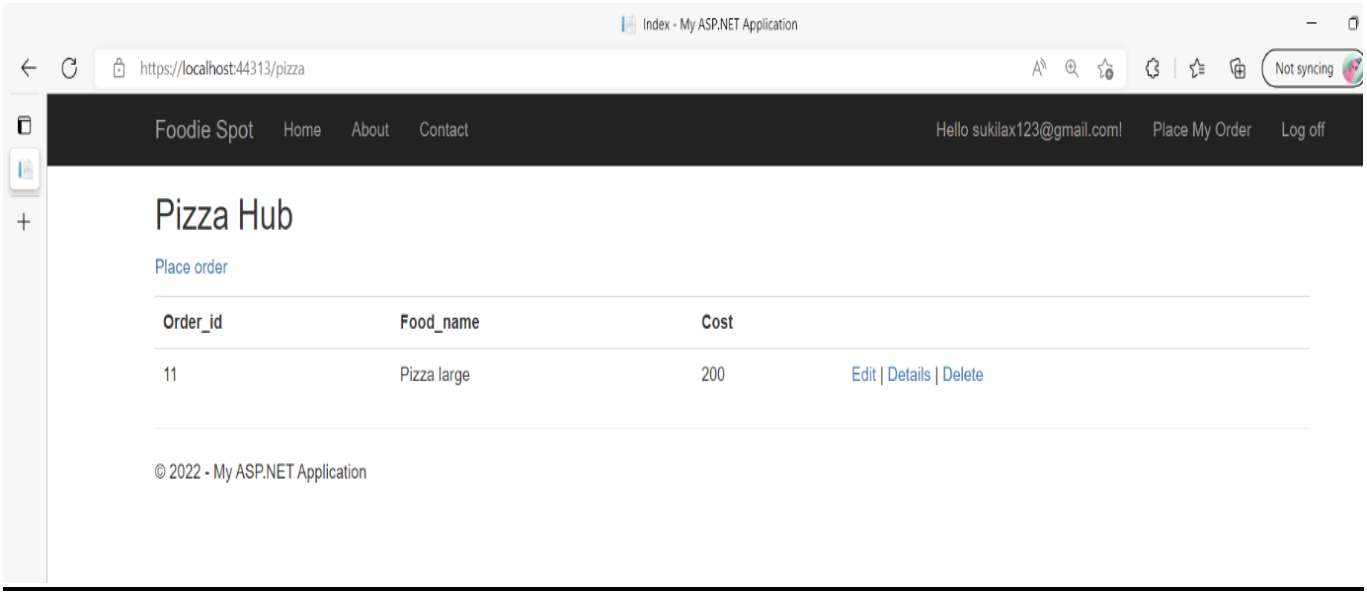
Order History:



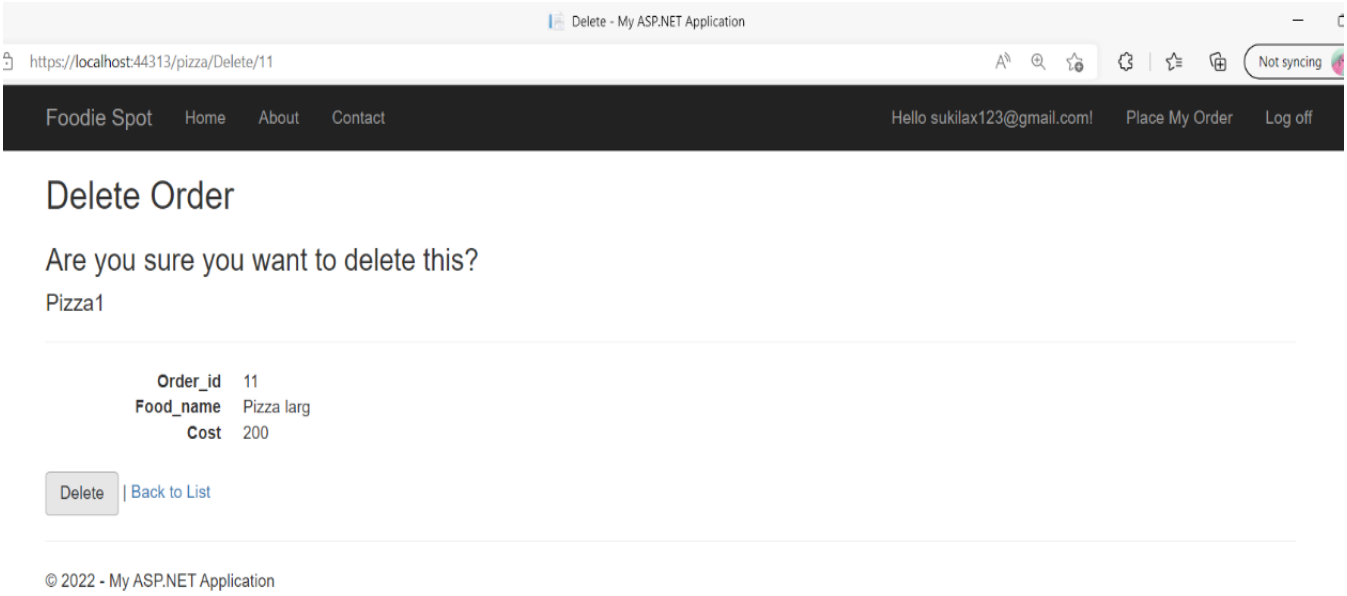
On clicking Edit to update order details:



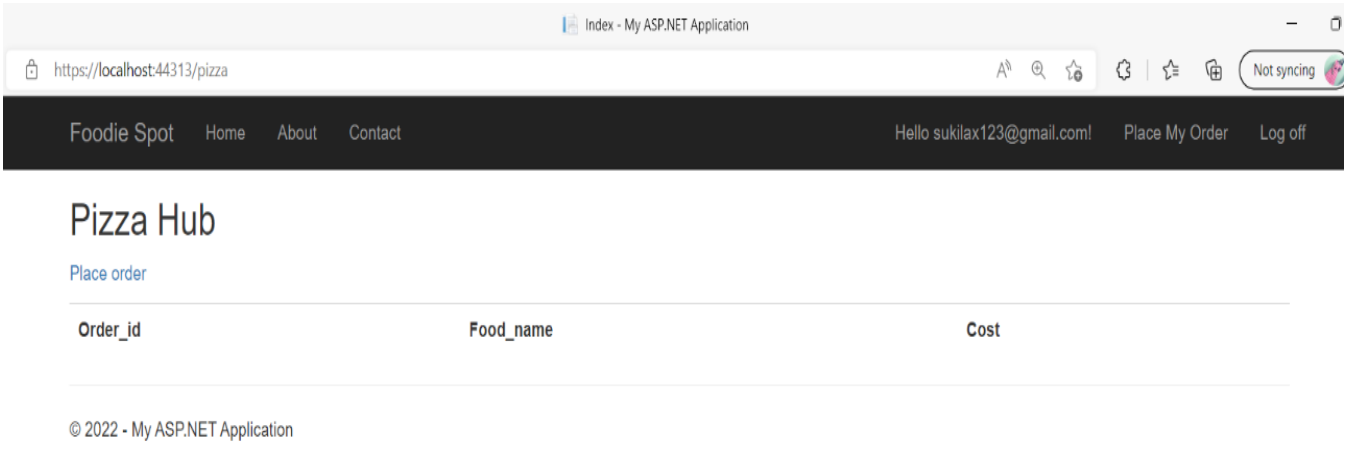
After updation list of Order details is displayed:



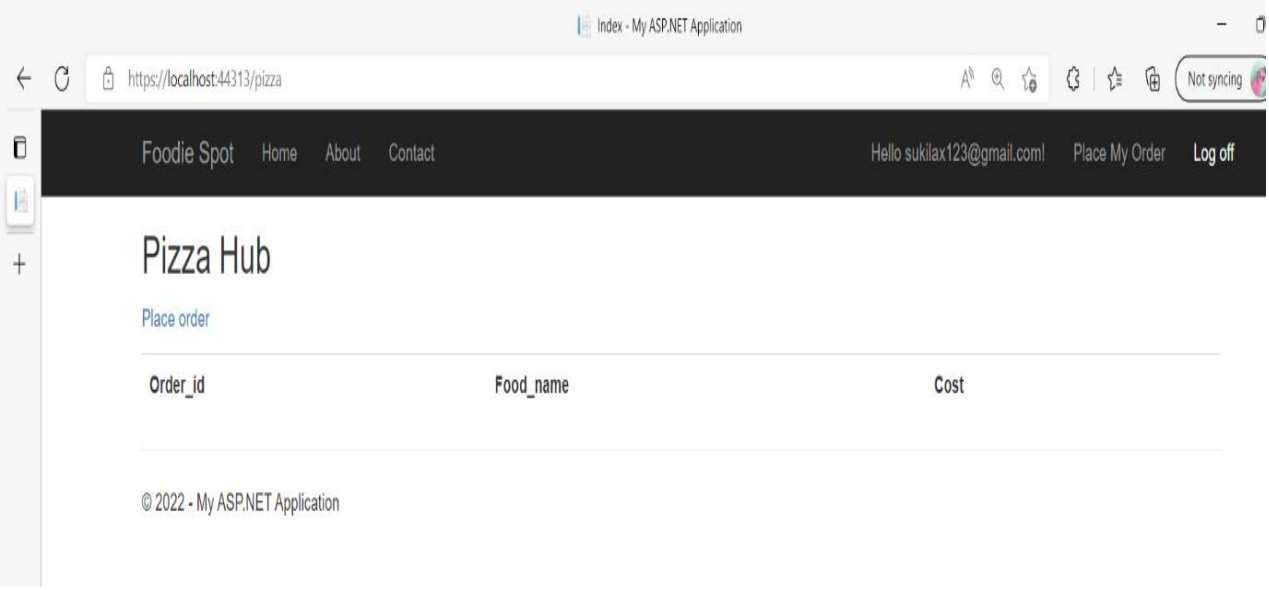
Delete order:



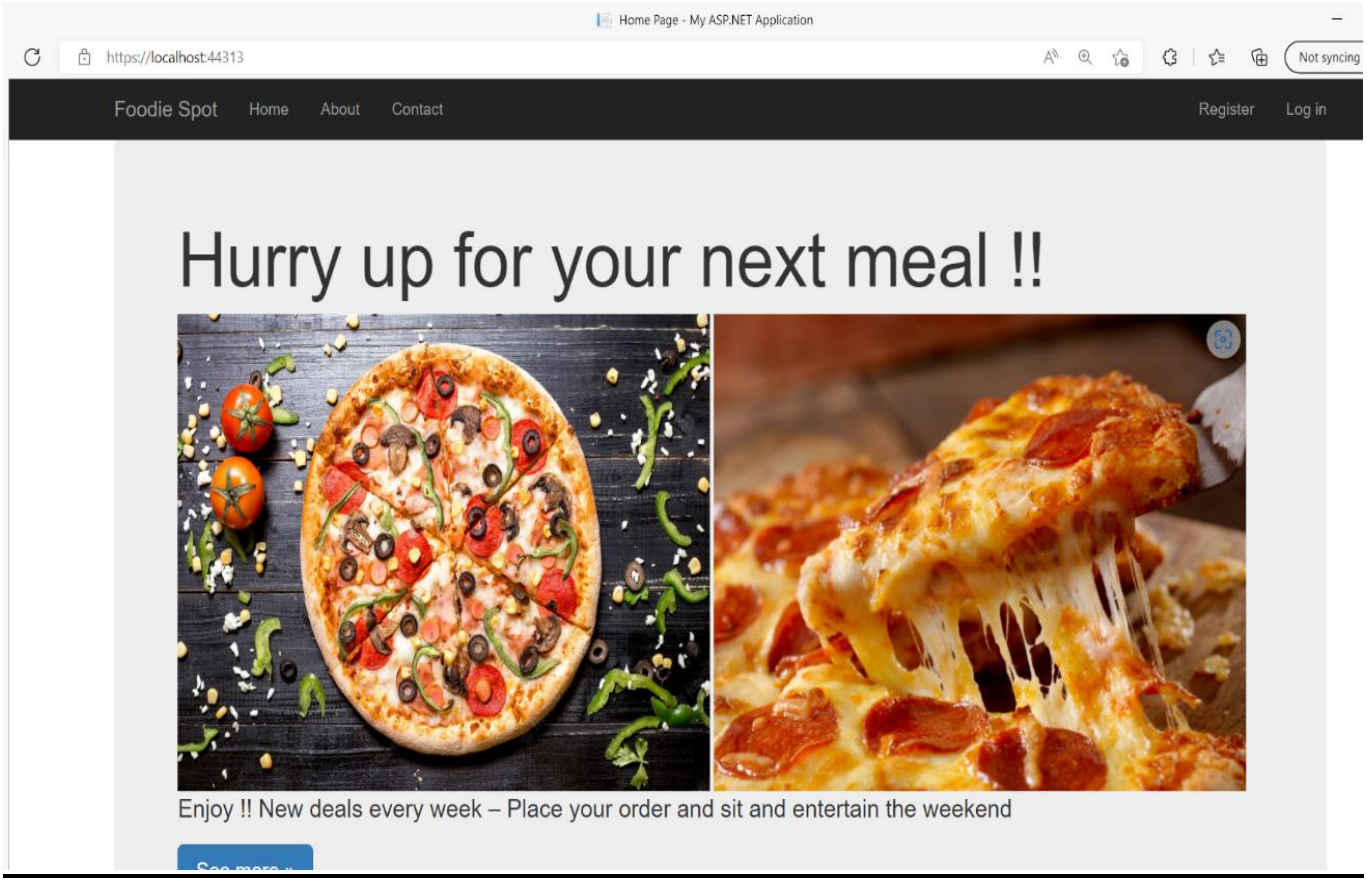
After deletion:



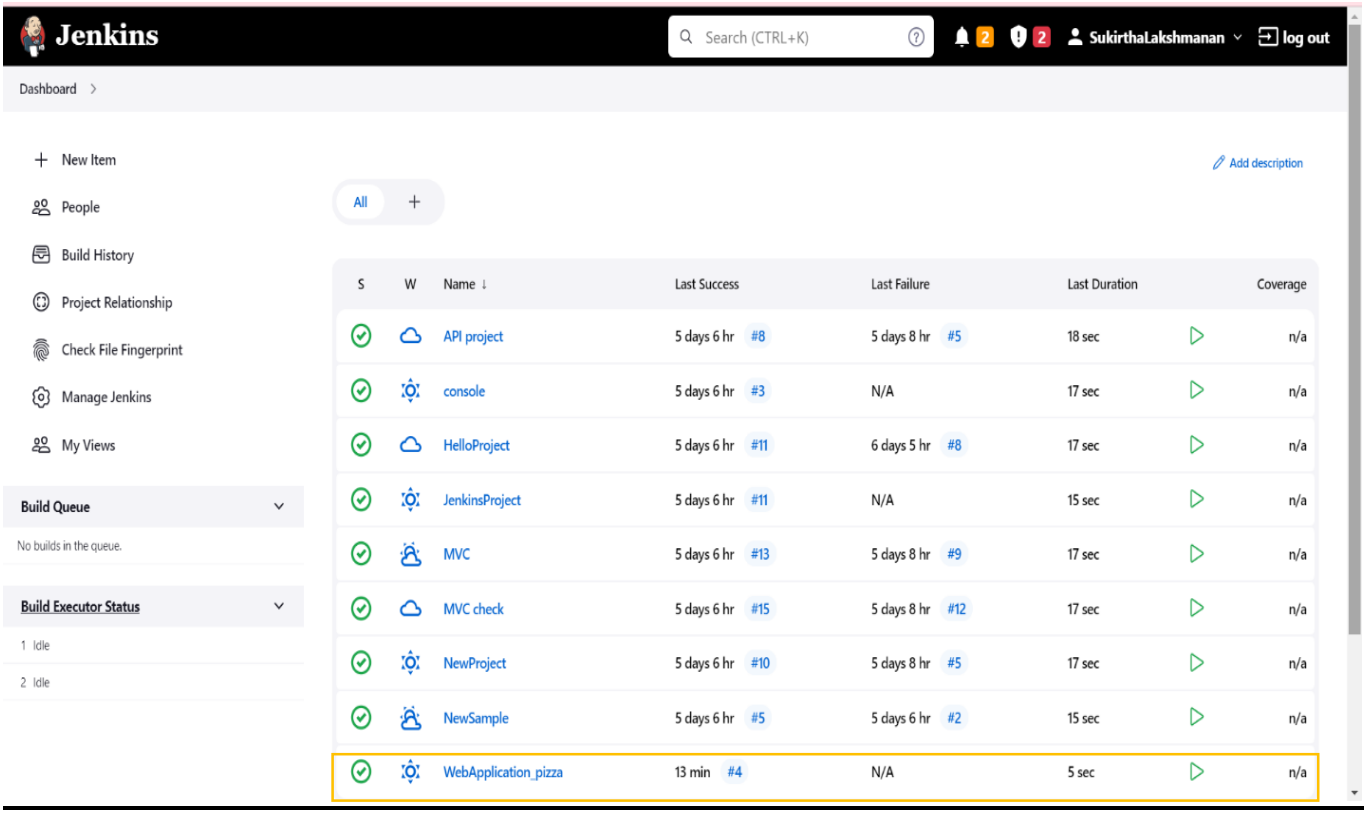
Log off:



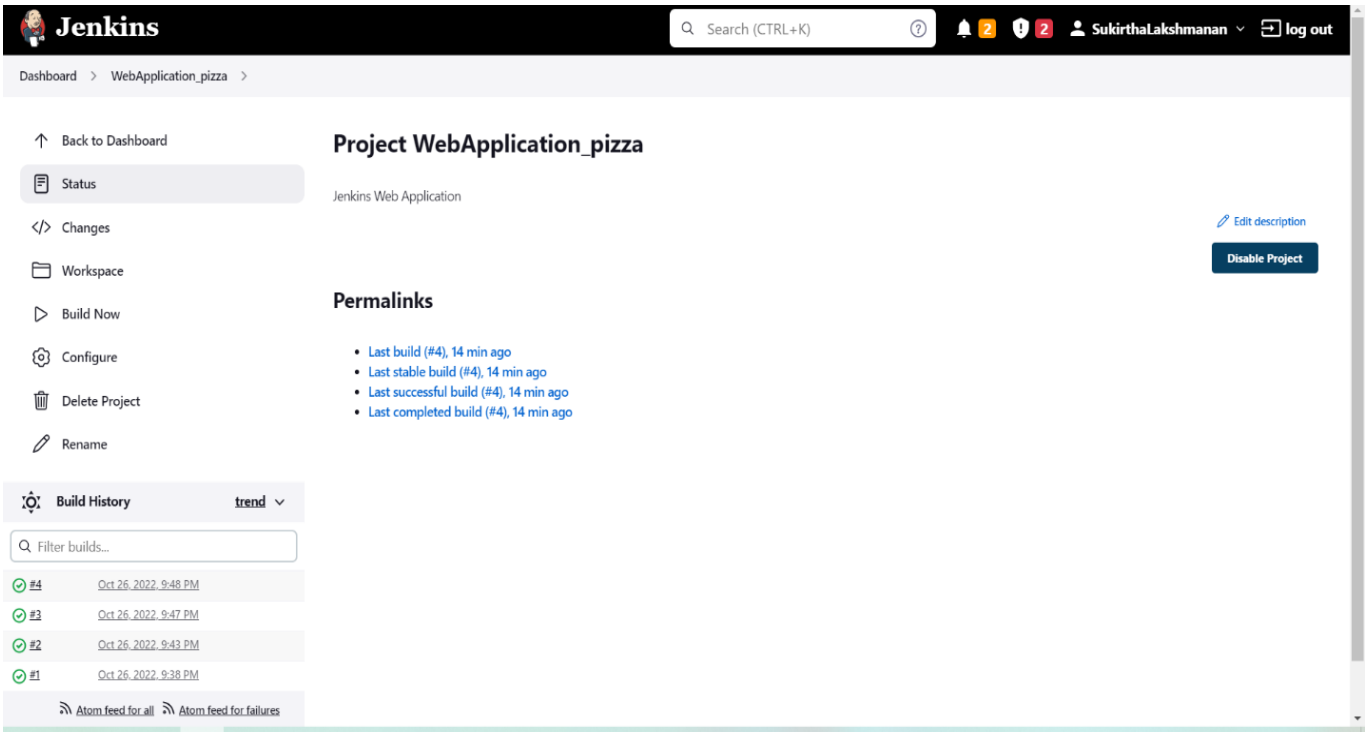
Redirects to Home Page:

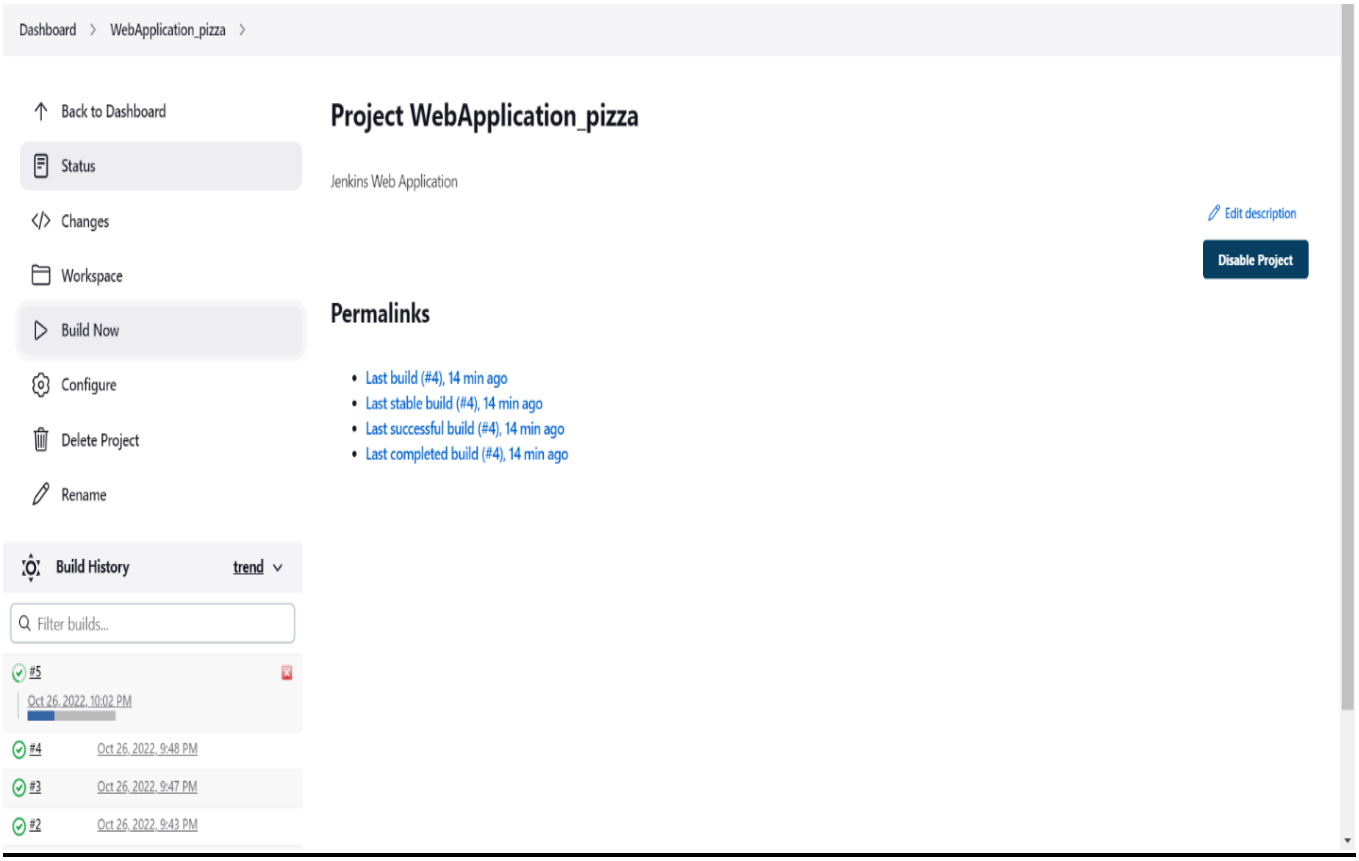


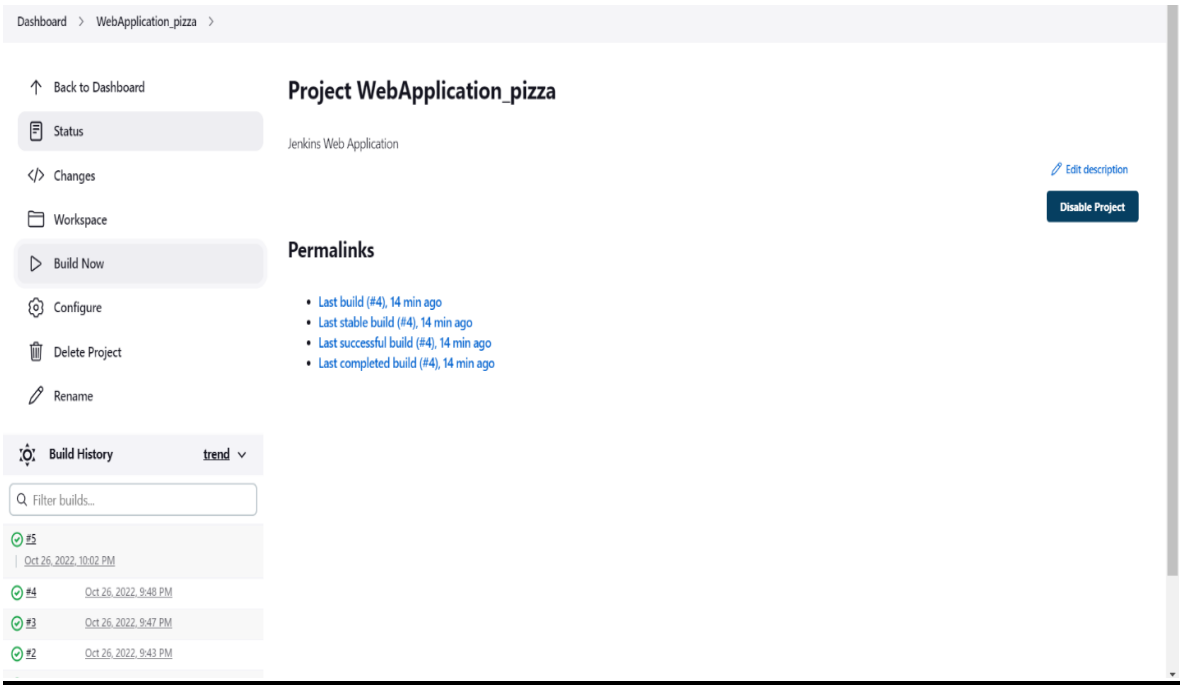
Jenkins:



After Successful Build:




Dashboard > WebApplication_pizza >
Back to Dashboard
Status
Changes
Workspace
Build Now
Configure
Delete Project
Rename
Build History
trend
Filter builds...
#5
Oct 26, 2022, 10:02 PM
#4
Oct 26, 2022, 9:48 PM
#3
Oct 26, 2022, 9:47 PM
#2
Oct 26, 2022, 9:43 PM
Project WebApplication_pizza
Jenkins Web Application
Edit description
Disable Project
Permalinks
Last build (#4), 14 min ago
Last stable build (#4), 14 min ago
Last successful build (#4), 14 min ago
Last completed build (#4), 14 min ago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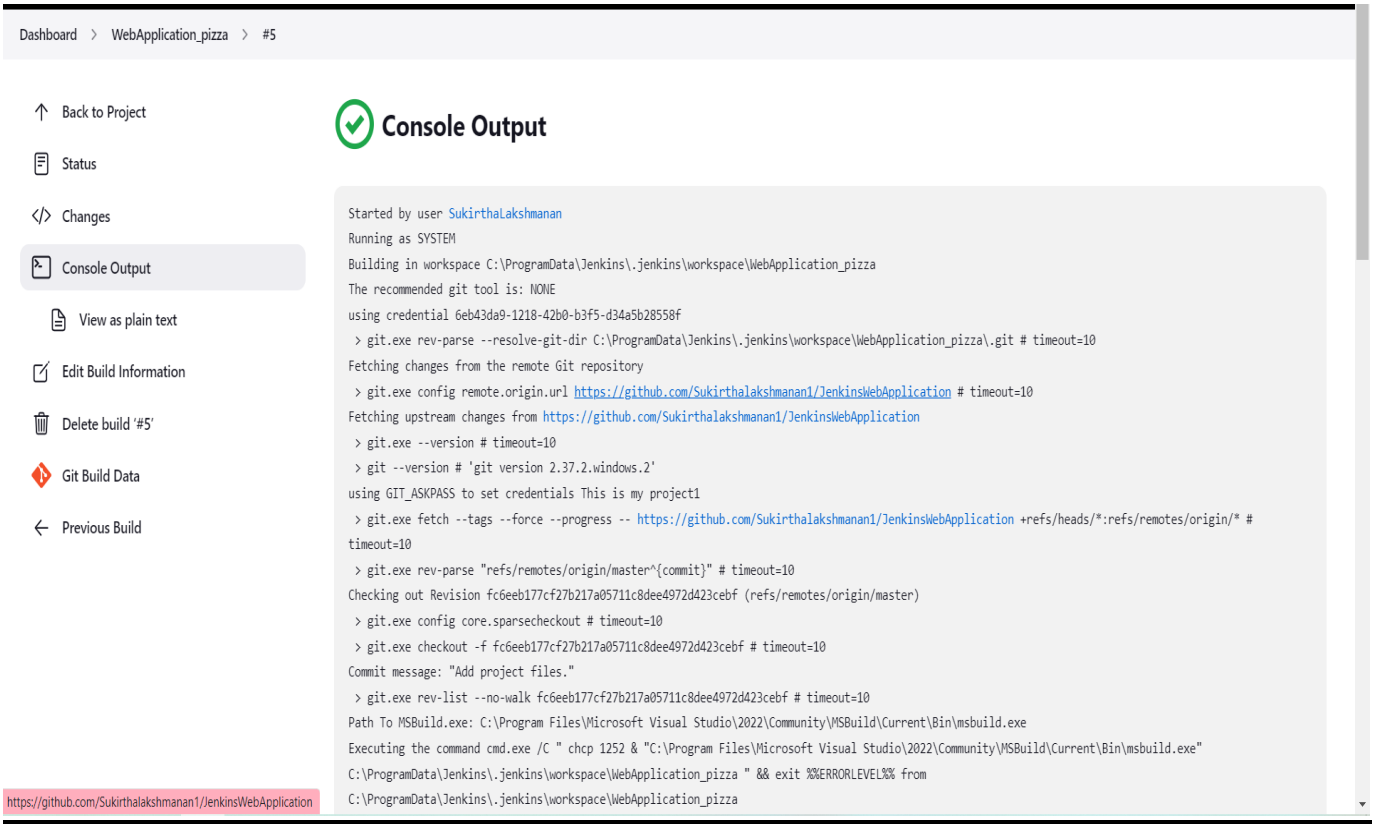
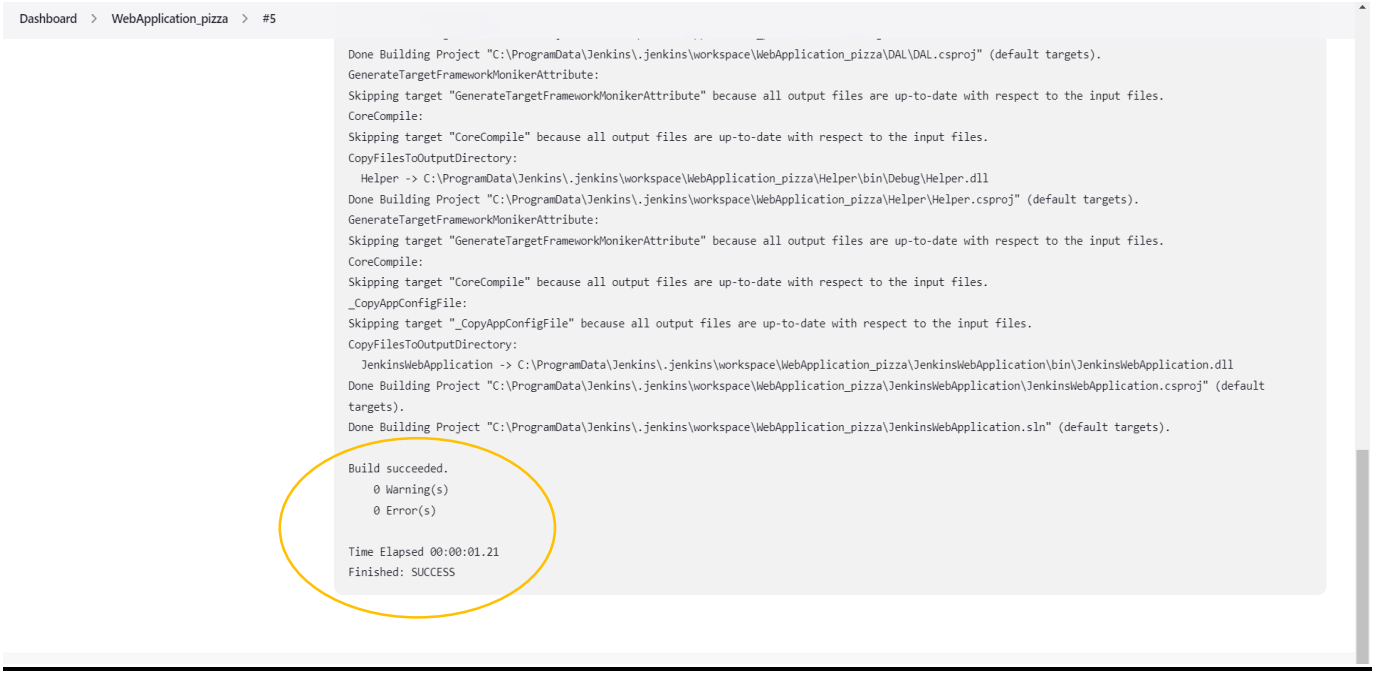
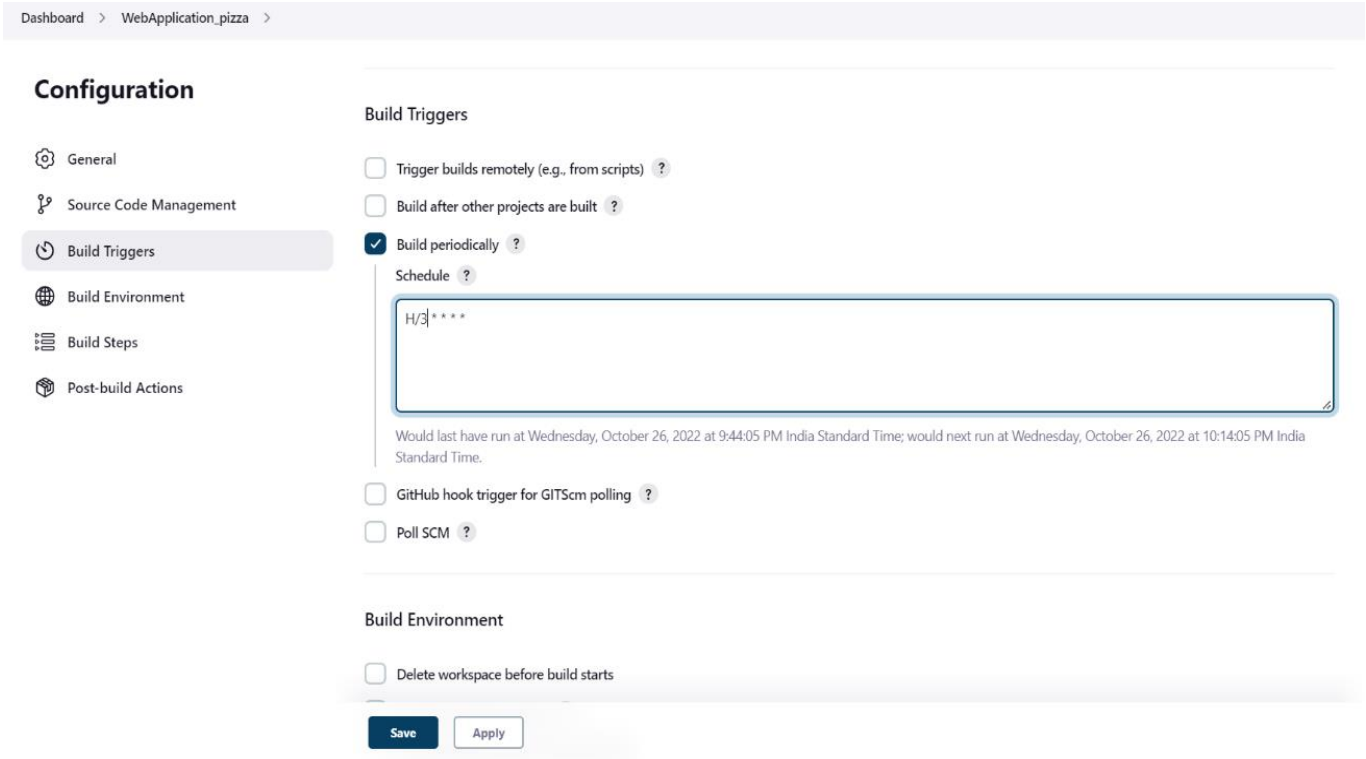
Project WebApplication_pizza
Jenkins Web Application
Edit description
Disable Project
Permalinks
Last build (#4), 14 min ago
Last stable build (#4), 14 min ago
Last successful build (#4), 14 min ago
Last completed build (#4), 14 min ago

Console Output:

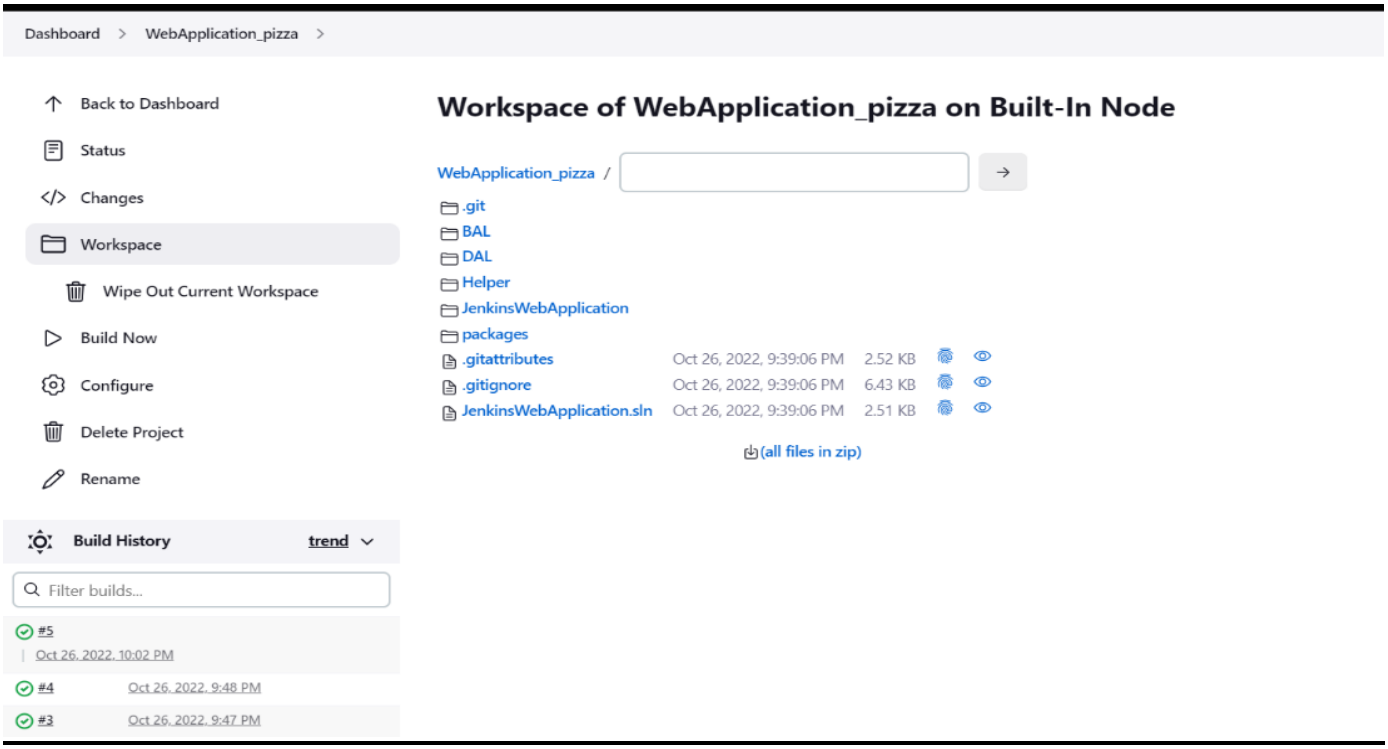




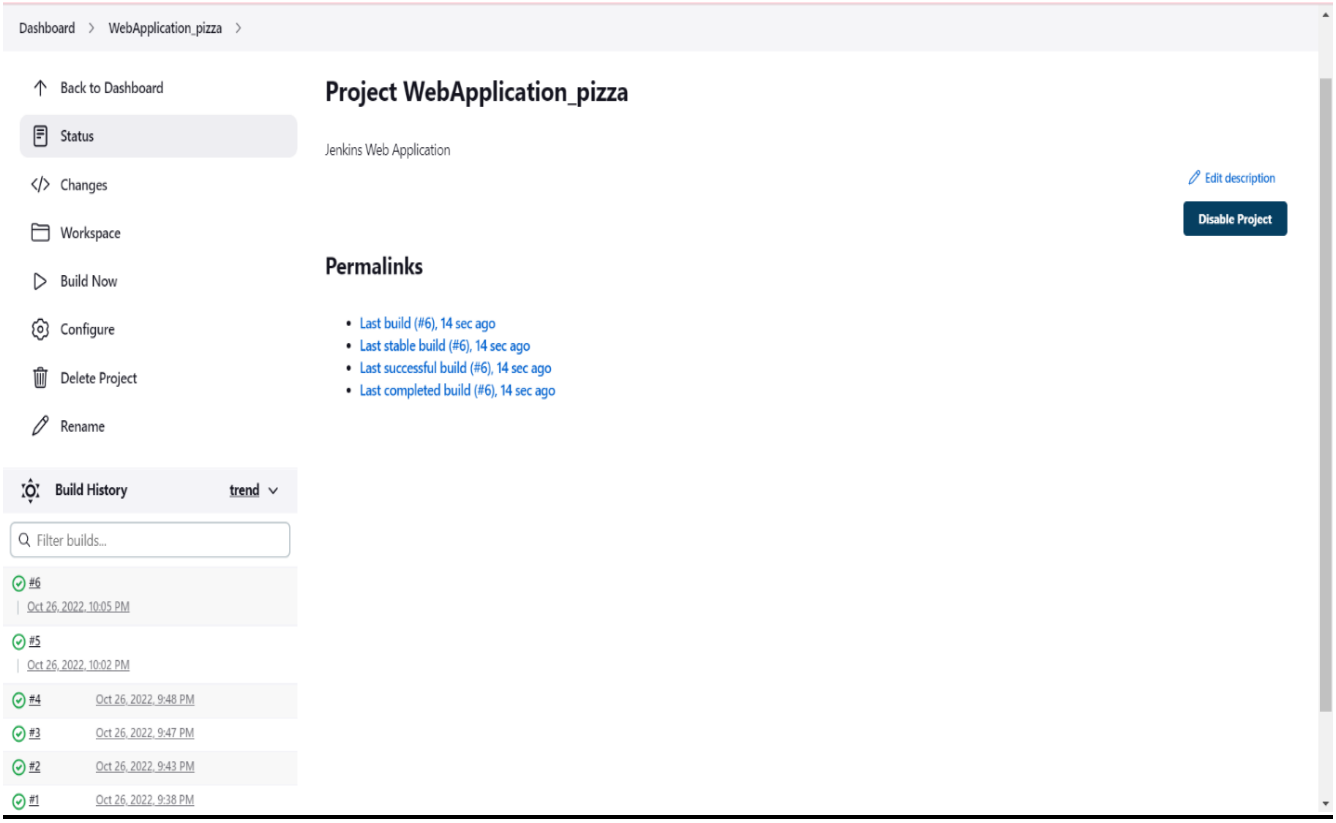
Build Triggers:



Workspace:



Automatic Build:



Conclusion:

Thus the web application is created successfully and deployed it via Jenkins.