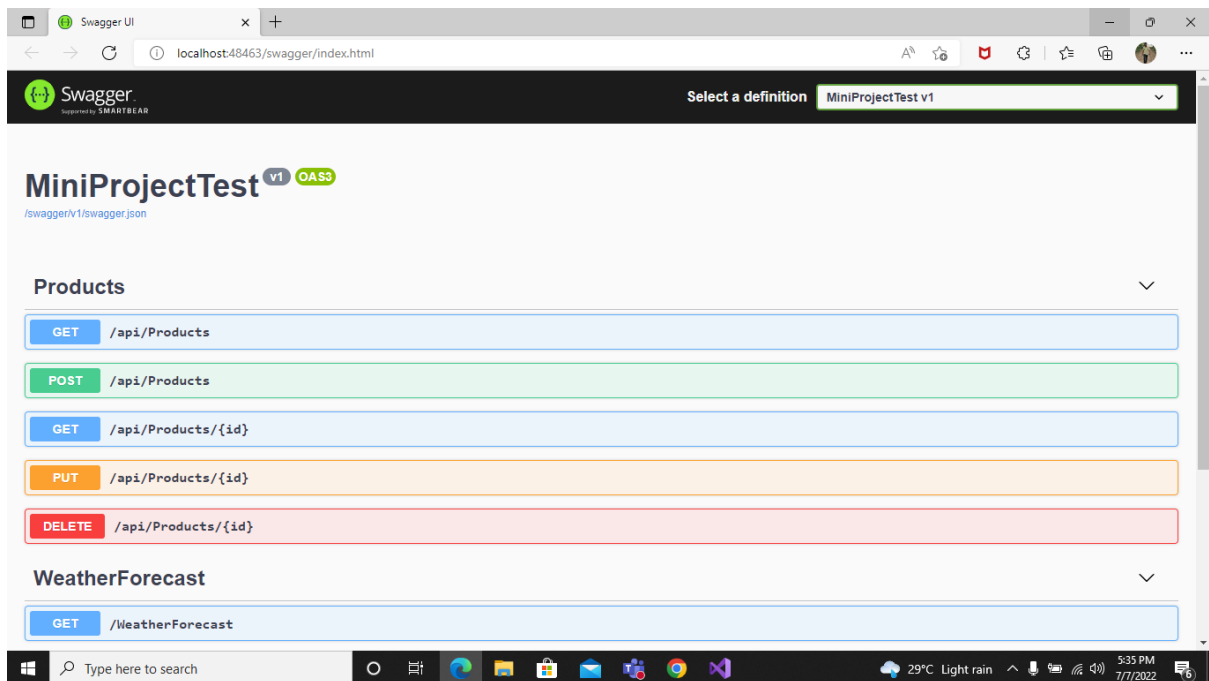


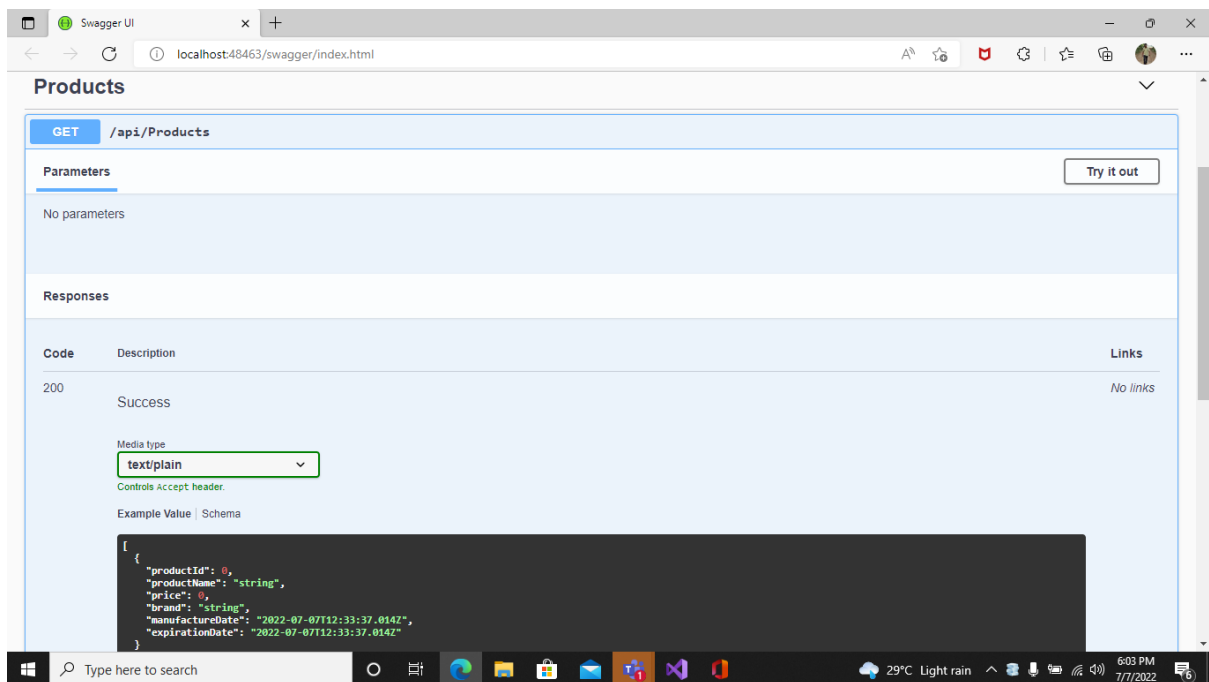
Final Project Documentation

Steps:

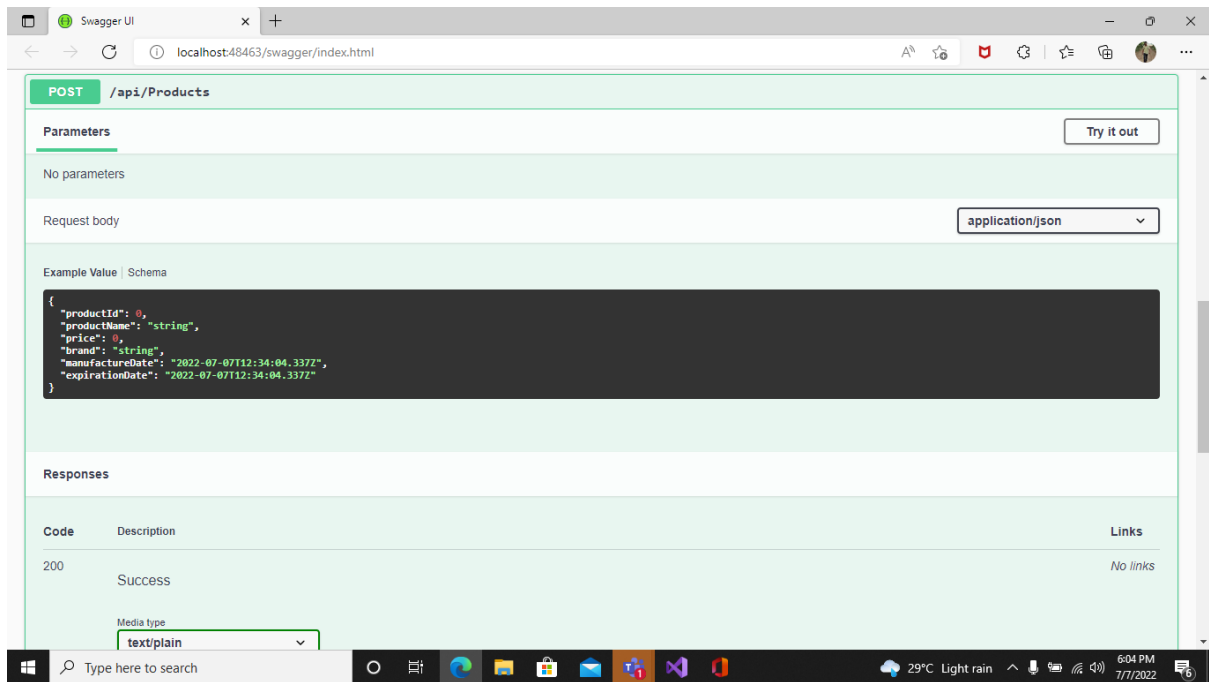
1. Started with a new project on visual studio, with project type as **ASP.NET Core Web API**.
2. Created a new **Folder** called **Models** with class **Products** with the given specifications, added all the **validation attributes** on to the fields of the Product class.
3. Added required **Entity Framework** libraries using **NuGet Package** manager.
4. Performed data base **migration** operations on PS console.
5. Added a **controller** by right clicking on the project and selecting the option Controller, created the controller for the Products model, by using scaffolding feature of Visual Studio.
6. **Tested** the **API** with the default end point weather forecast by publishing it into the **Azure App Services**.
7. The **JQuery AJAX** calls (REST Client) or **Index.html** page is **hosted** on the **same server** in which the Web API is running with path StaticFiles/index.html.
8. Index.html page is written to perform the **HTTP calls** using JQuery library (AJAX Calls).



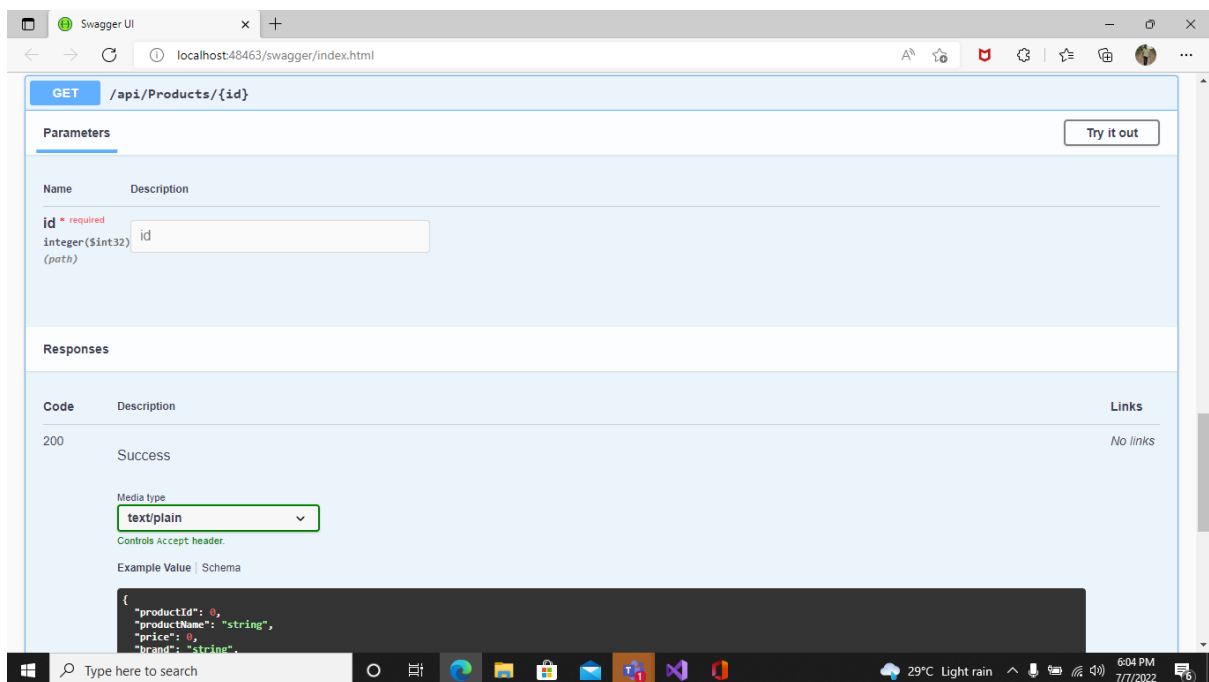
1. Screen shot showing swagger documentation for the created Products Web API project.



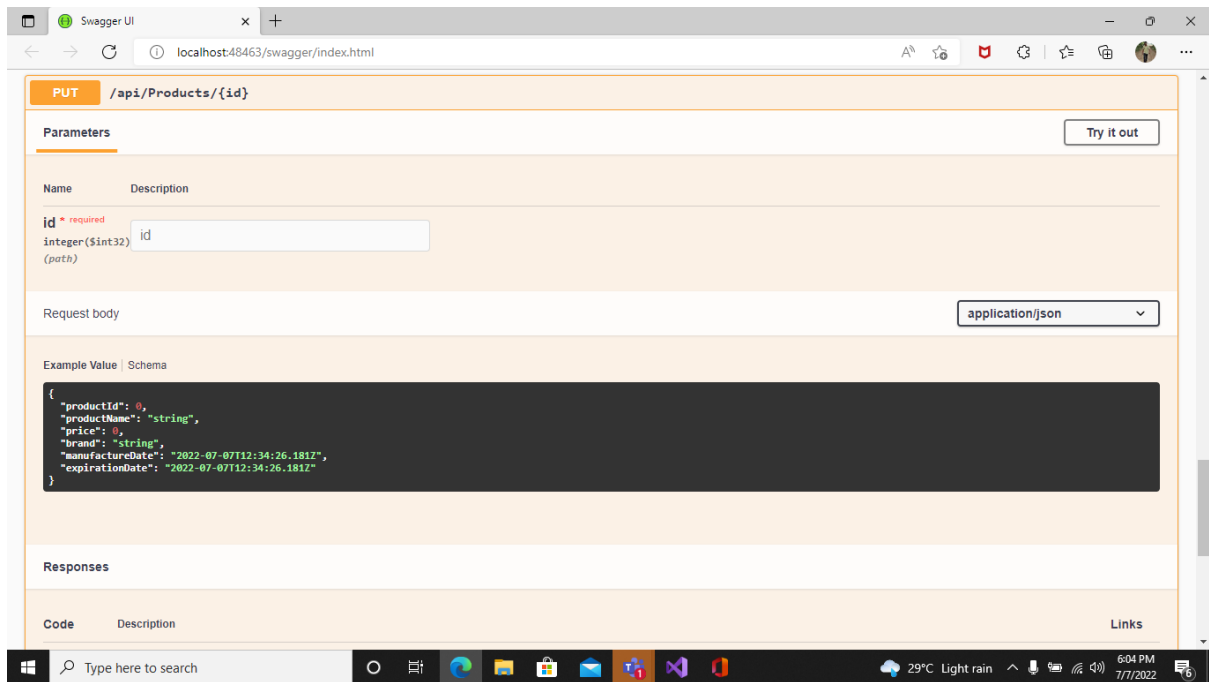
2. Screen shot showing the get call documentation for the Products API.



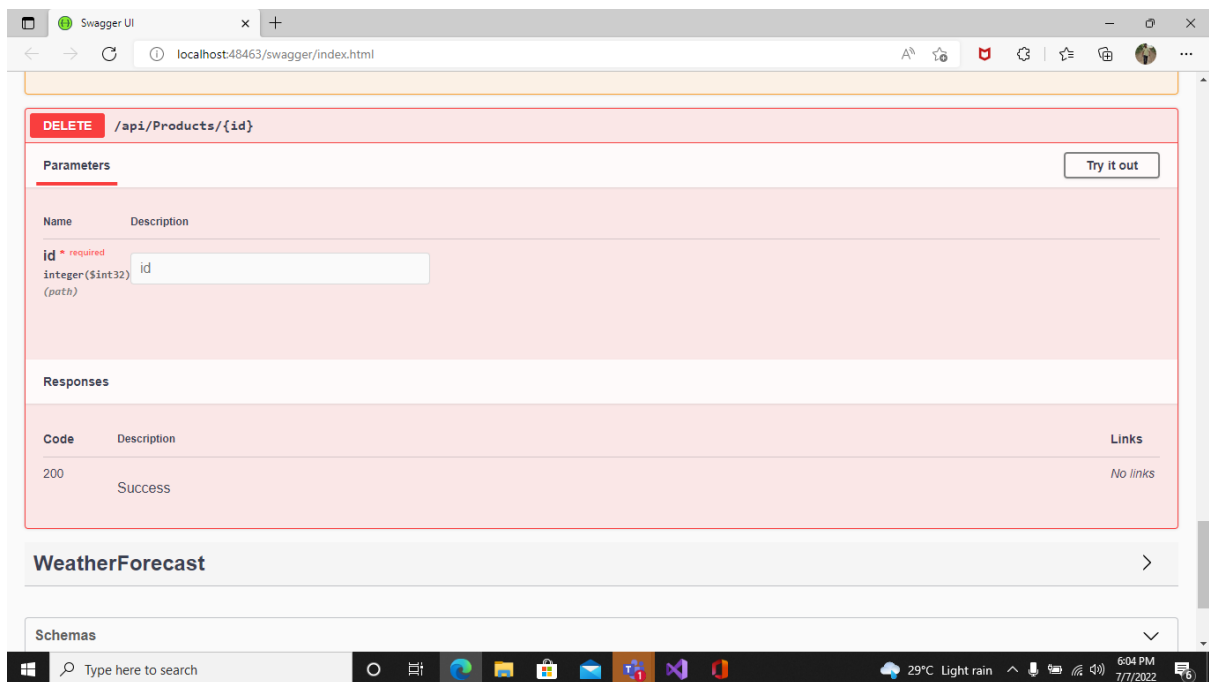
3. Screen shot showing the post call for creating a new product.



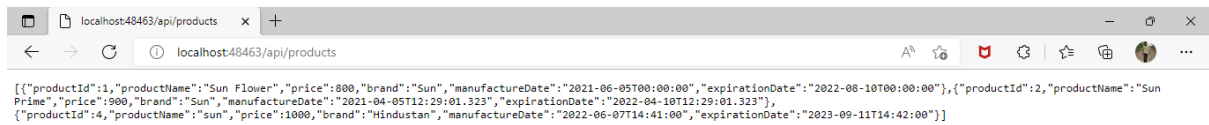
4. Screen shot showing the get call for a product with specified product id passed as a path variable.



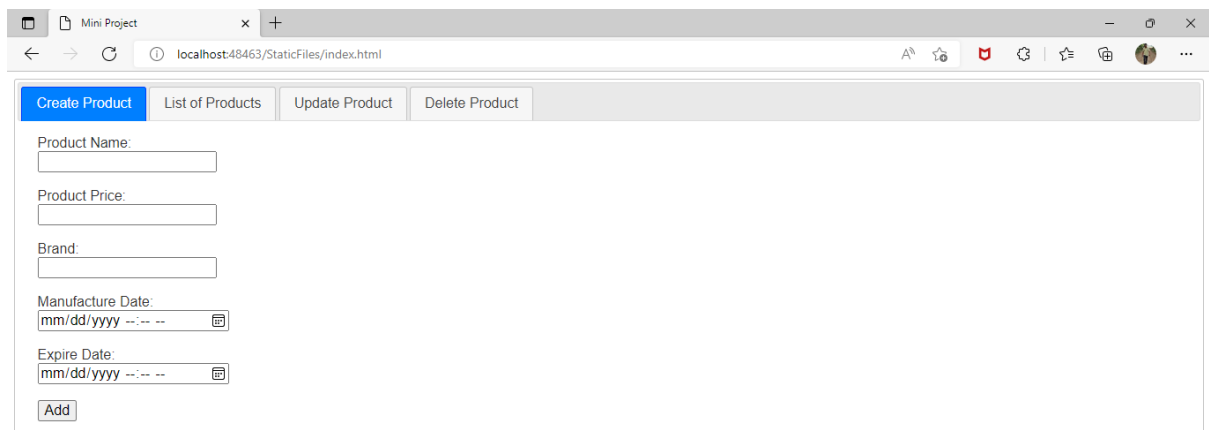
5. Screen shot showing the put call for updating an existing product with request body (fields to be updated) and path variable as product id.



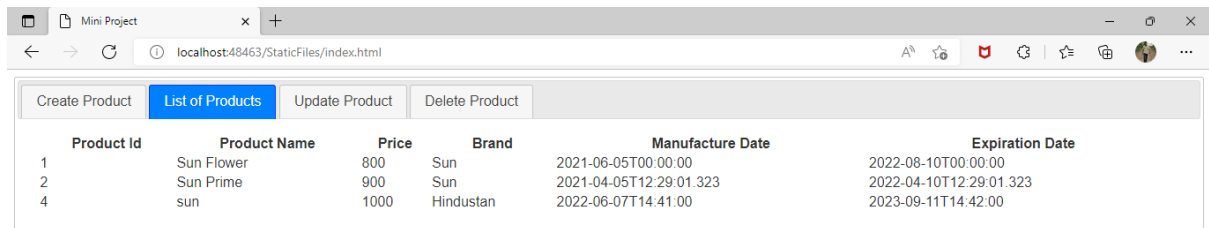
6. Screen shot showing the delete call for deleting an existing product with the specified id passed as a path variable.



7. Screen shot showing list of products by using get call to the end point localhost:48463/api/products. The return value is a list of product objects in json format.

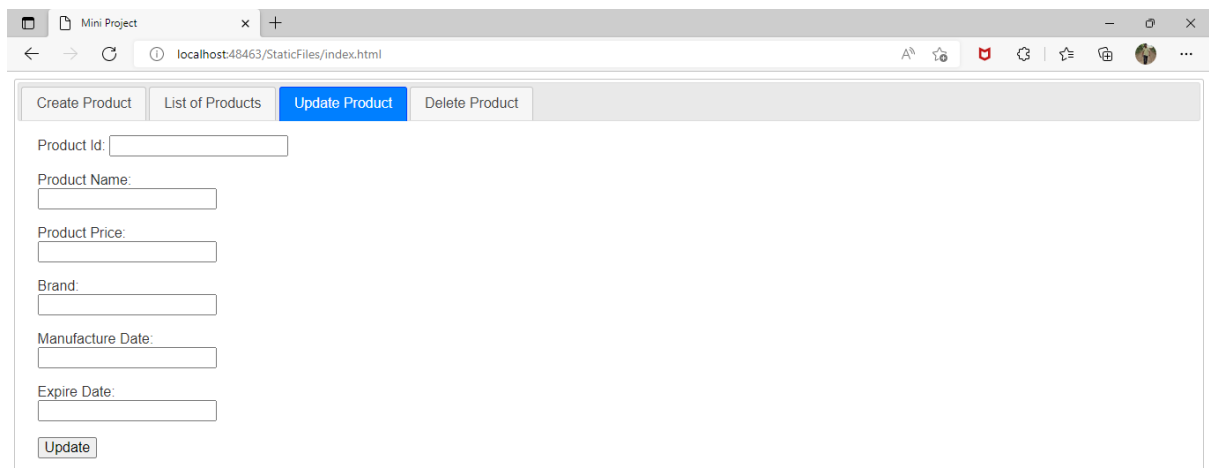


8. Screen shot showing the index.html page for consuming the created products API using jquery library and with ajax calls. The form consists of product details with add button; by clicking add button a click event is raised and on the background an ajax call is performed to the post call of the API, with the entered form details in JSON format.



Product Id	Product Name	Price	Brand	Manufacture Date	Expiration Date
1	Sun Flower	800	Sun	2021-06-05T00:00:00	2022-08-10T00:00:00
2	Sun Prime	900	Sun	2021-04-05T12:29:01.323	2022-04-10T12:29:01.323
4	sun	1000	Hindustan	2022-06-07T14:41:00	2023-09-11T14:42:00

9. Screen shot showing the list of products on table which are created using post operation.



Product Id:

Product Name:

Product Price:

Brand:

Manufacture Date:

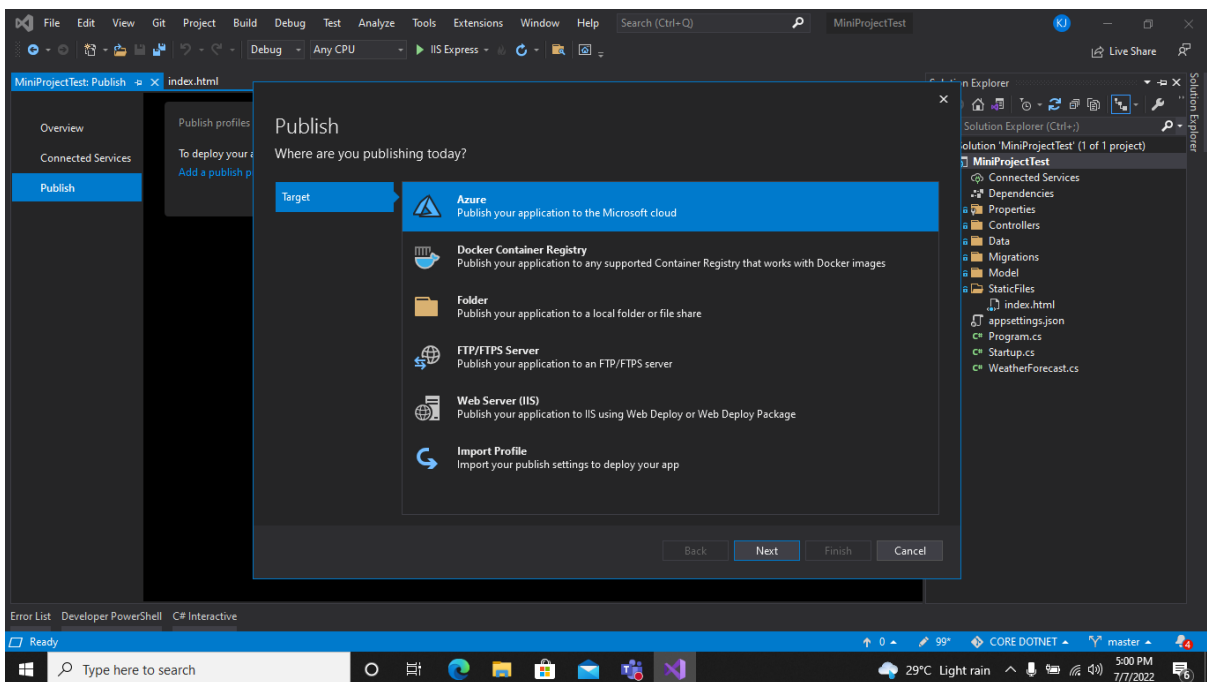
Expire Date:



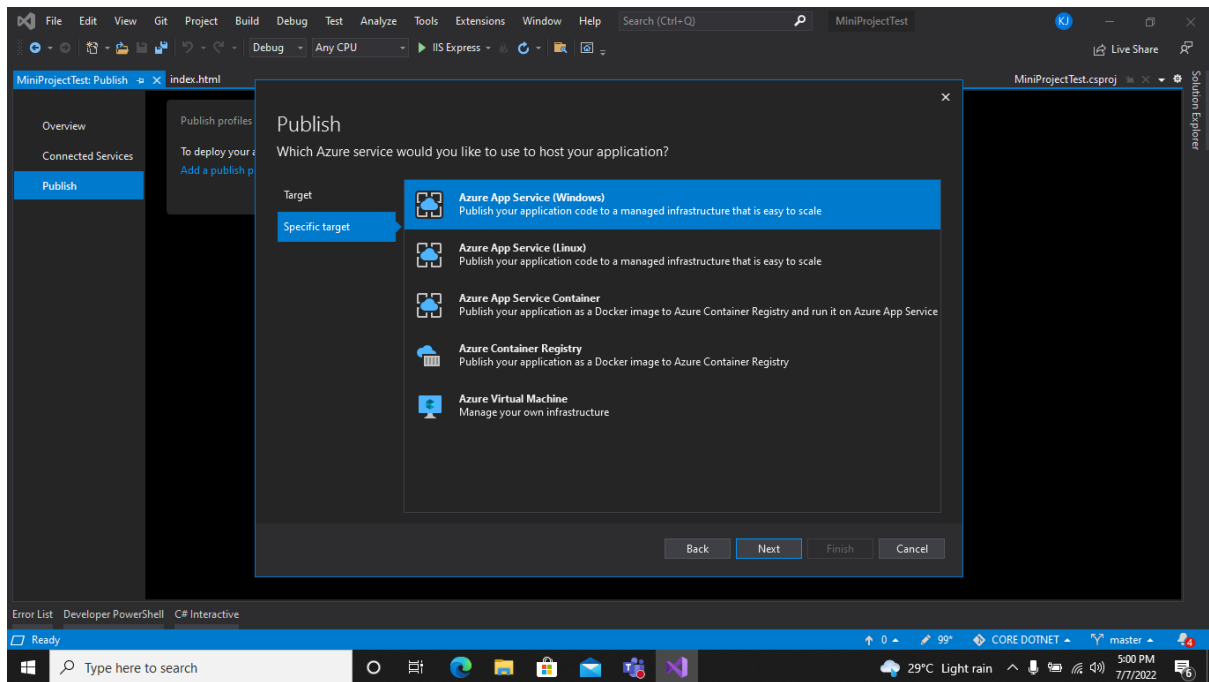
10. Scree shot showing a form containing products to update a product. At first we enter a product id on the text field the product details are populated on to the below text boxes, after editing fields, then we can click on update button. This will show an alert message when a product ID not exist.



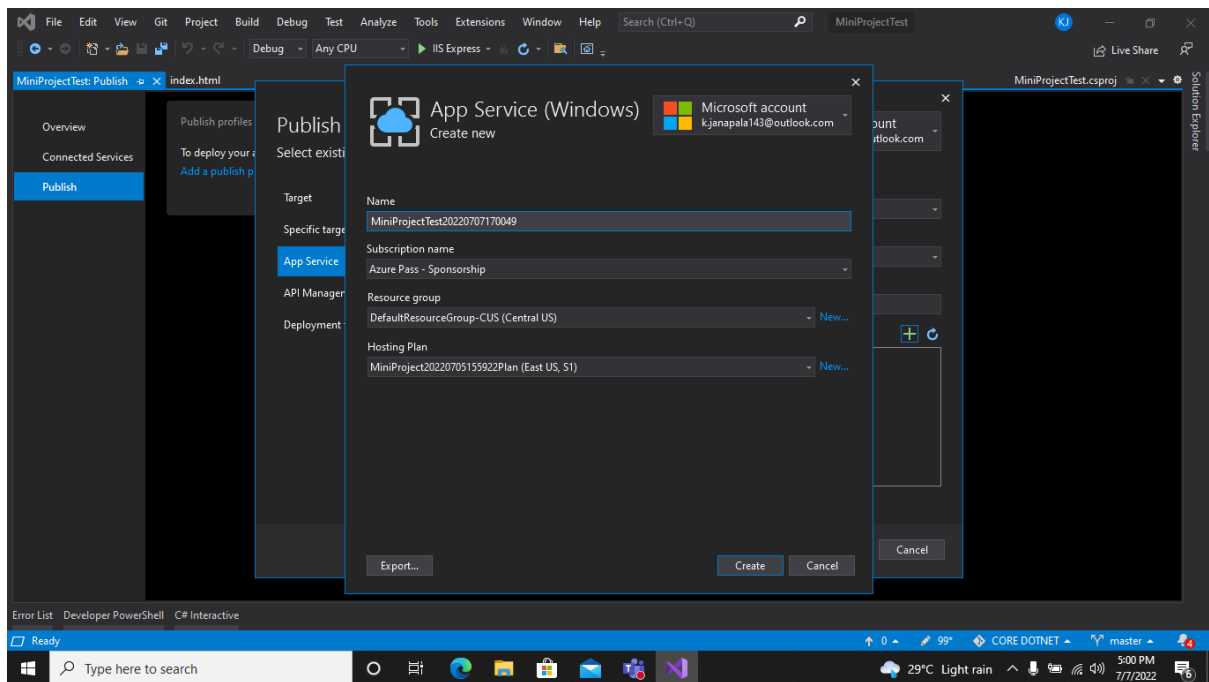
11. Screen shot showing delete operation at first we enter product id on to text box and then click on delete product button, if the product exist with entered id then the product will be deleted and an alert is displayed, if the product is not available then it will alert by saying product not exist with the given id.



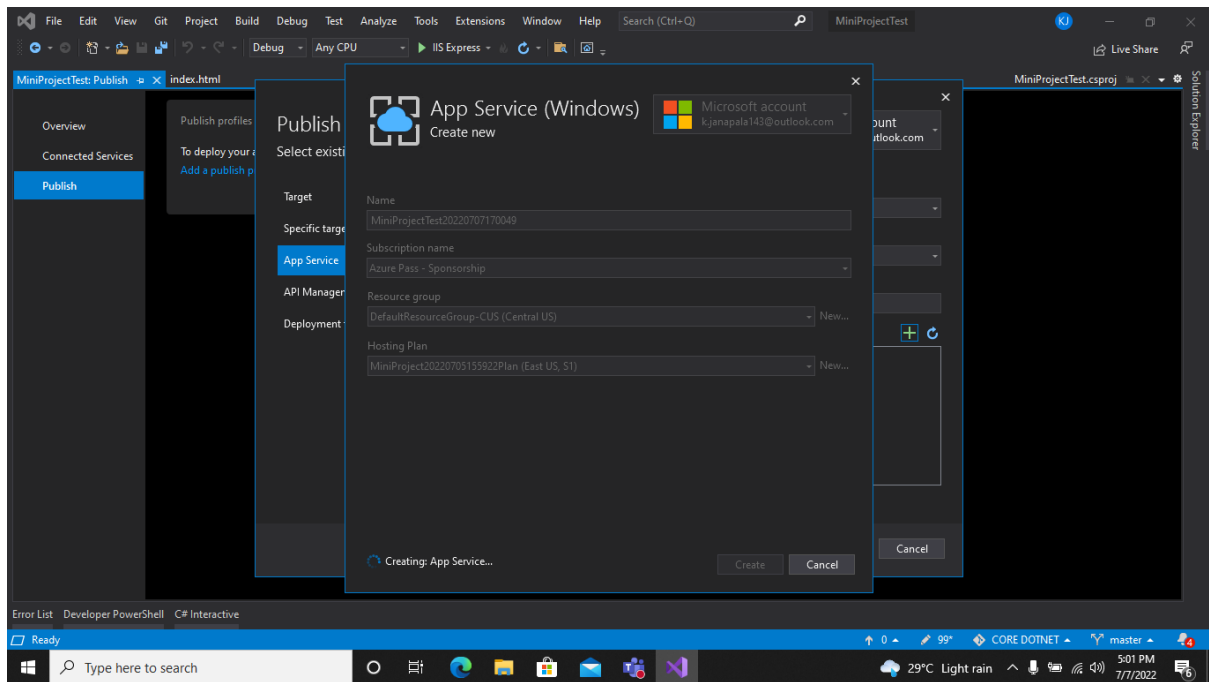
12. Screen shot showing publish dialog box when publishing the created project.



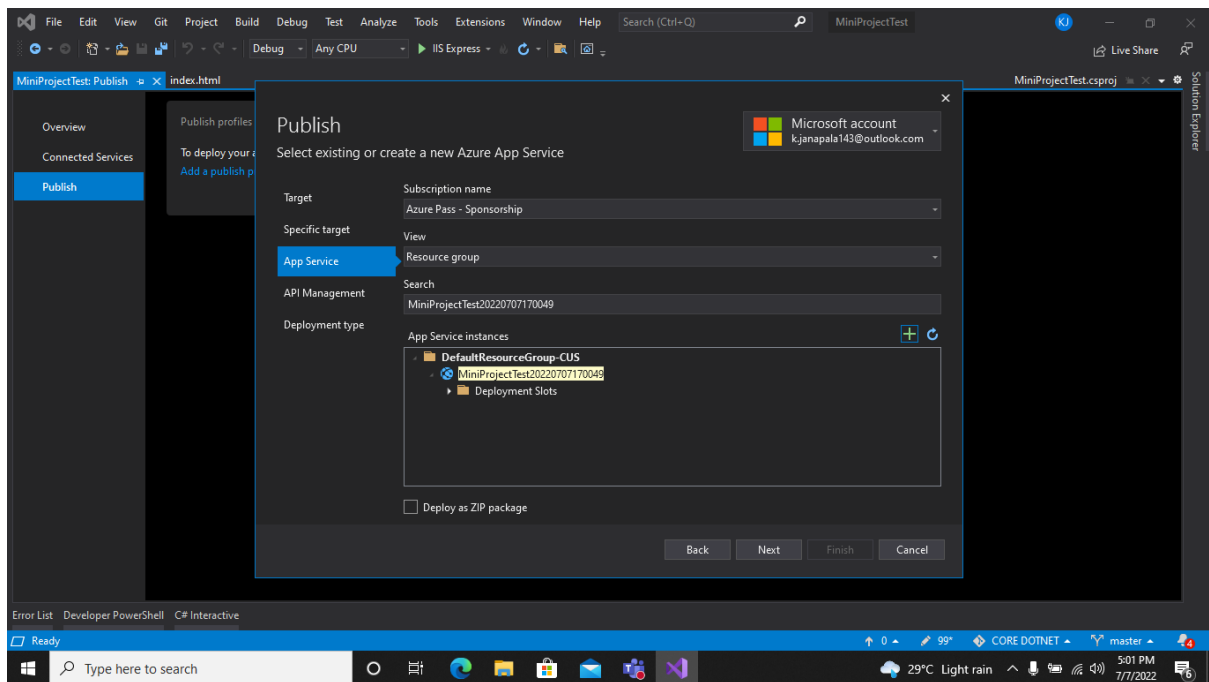
13. Screen shot showing different targets for publishing the projects to the Azure.



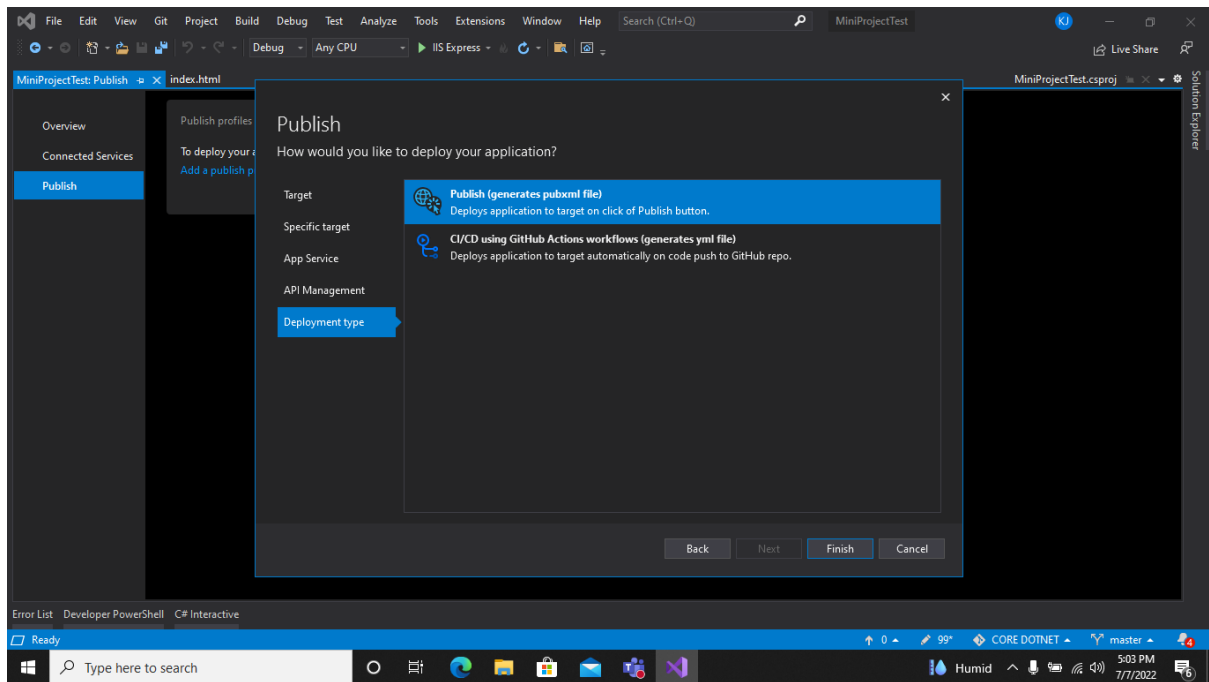
14. Screen shot showing the selected platform specifications for the app service and resource group etc.



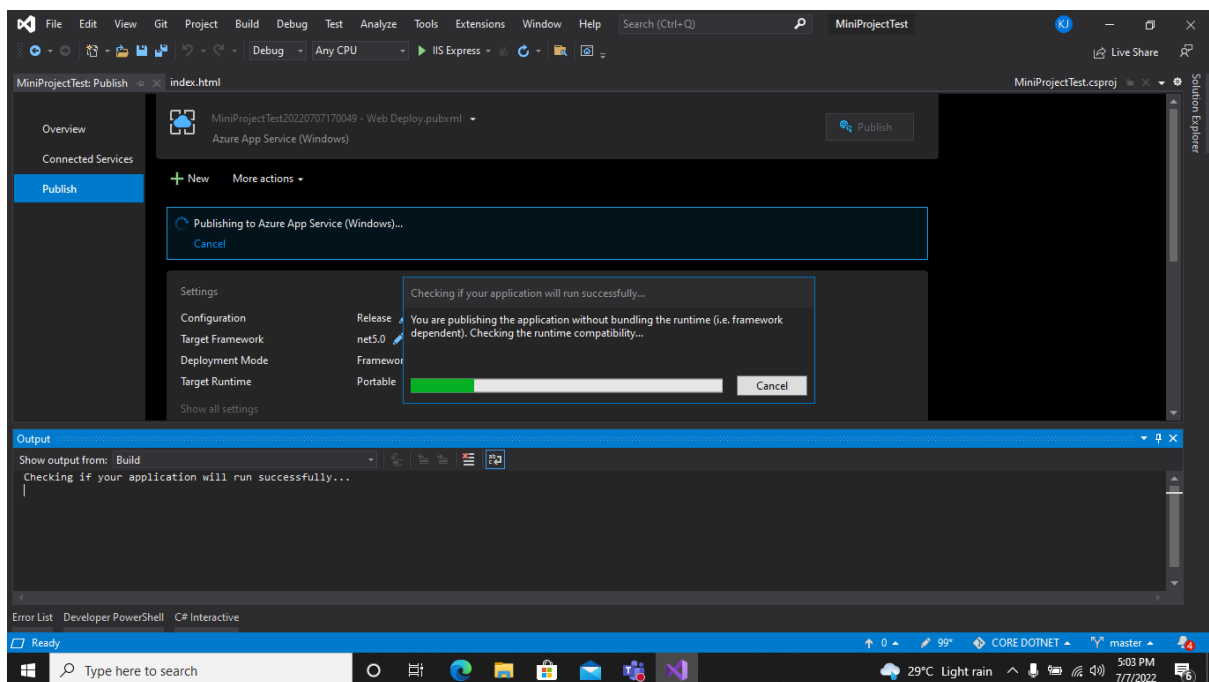
15. Screen shot showing creating an app servicing after clicking create button.



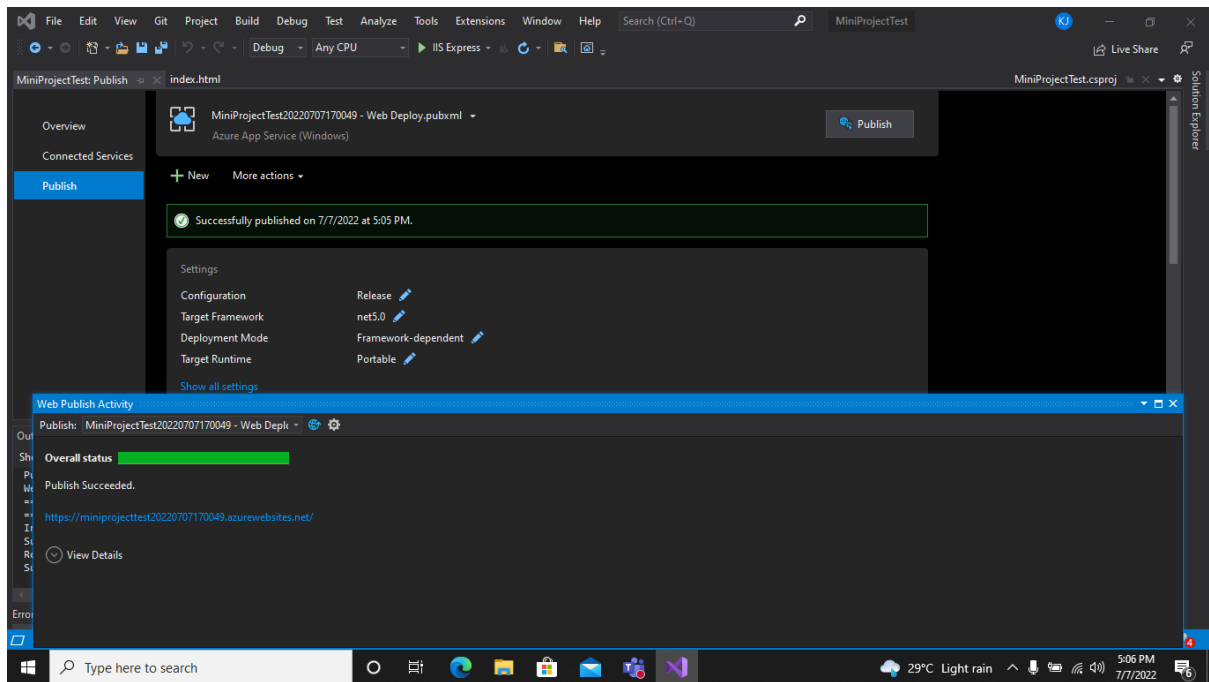
16. Screen shot showing created app service after previous step.



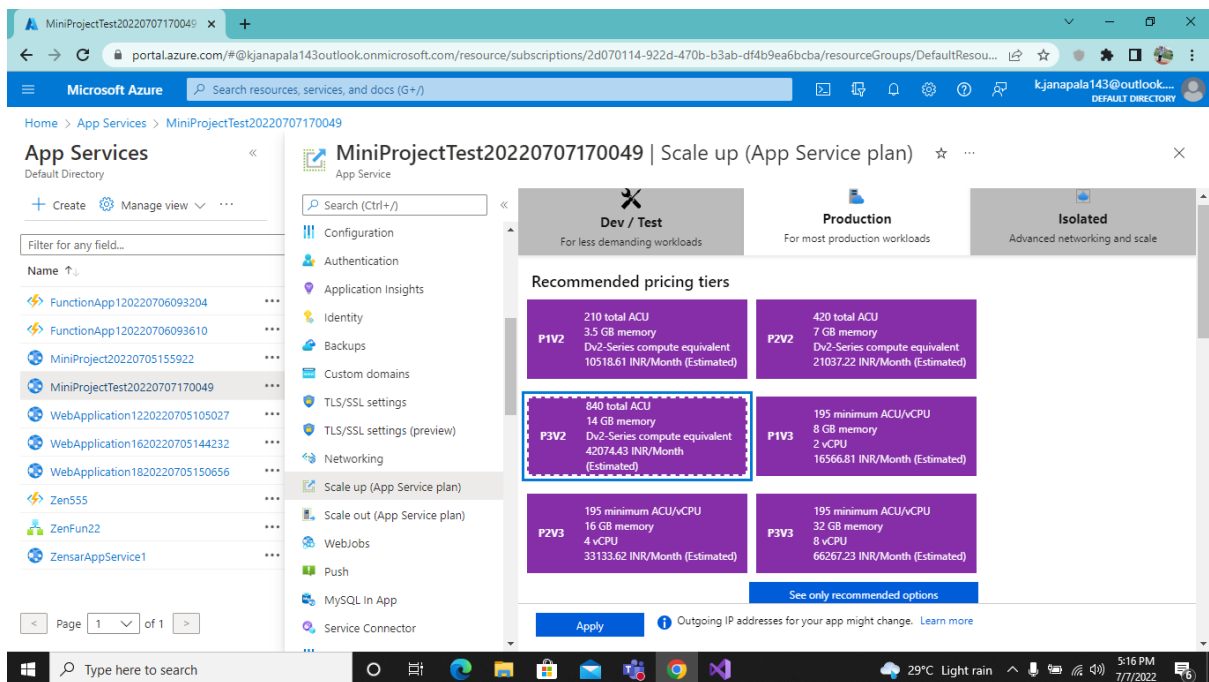
17. Screen shot showing deployment type selected as Publish.



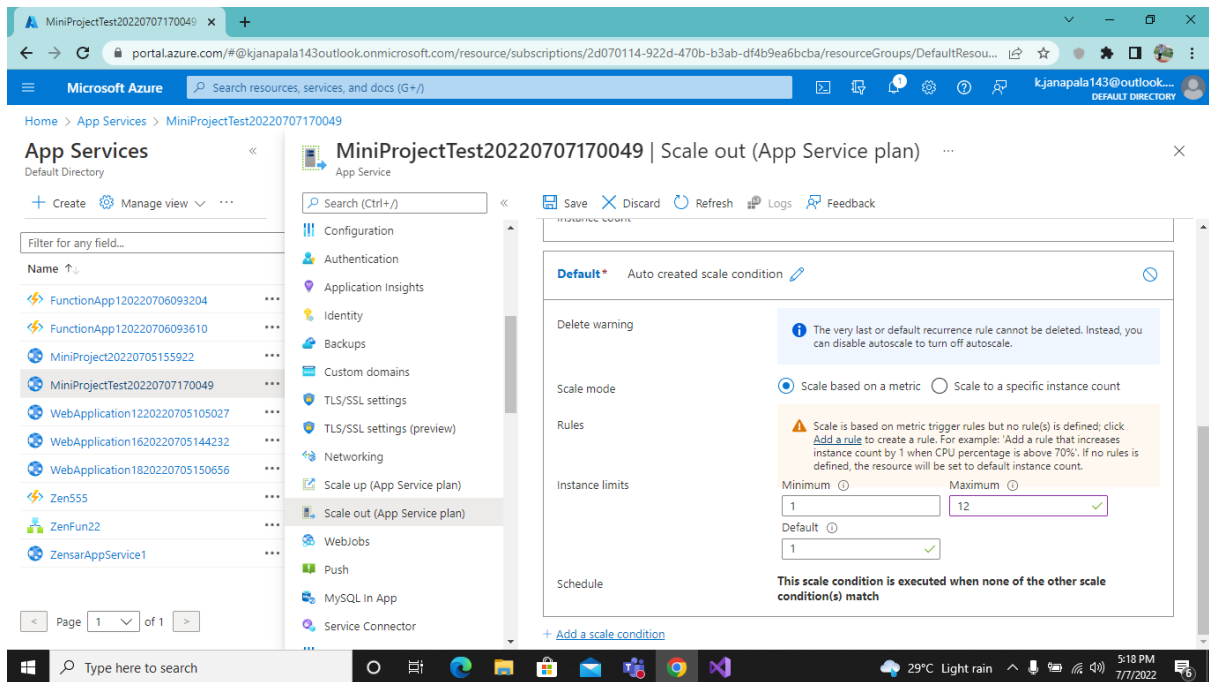
18. Screen shot showing publish progress after clicking finish button.



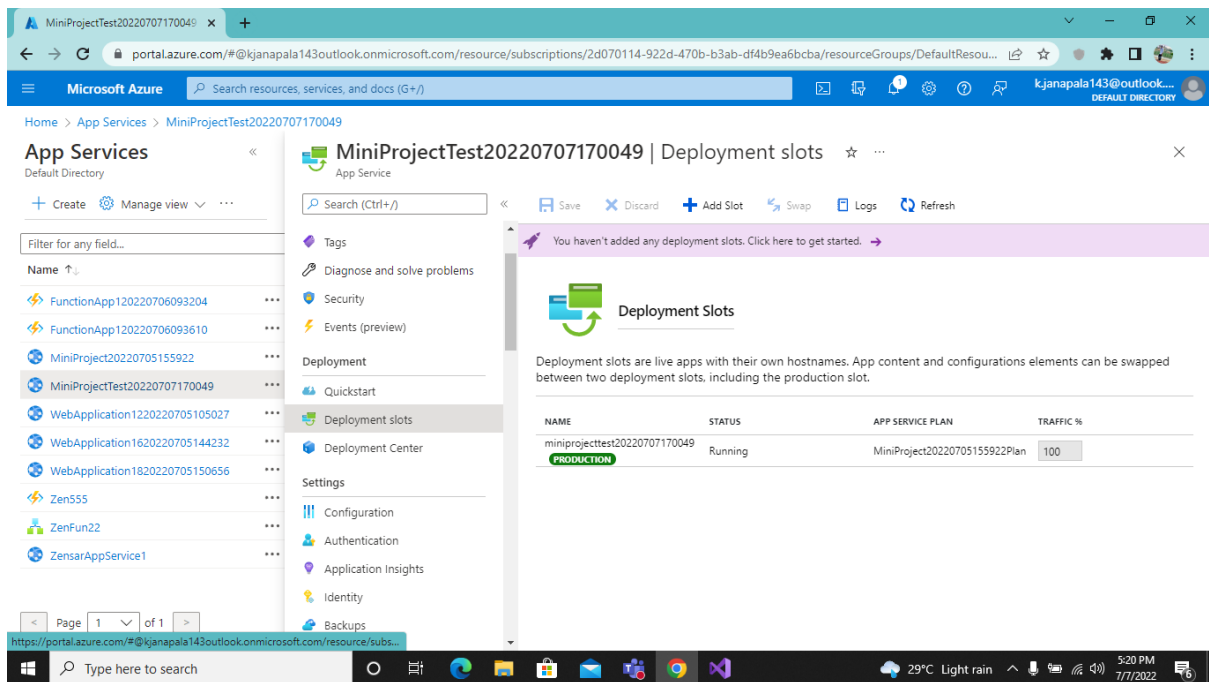
19. Screen shot showing publish success message after completion of publishing to app service.



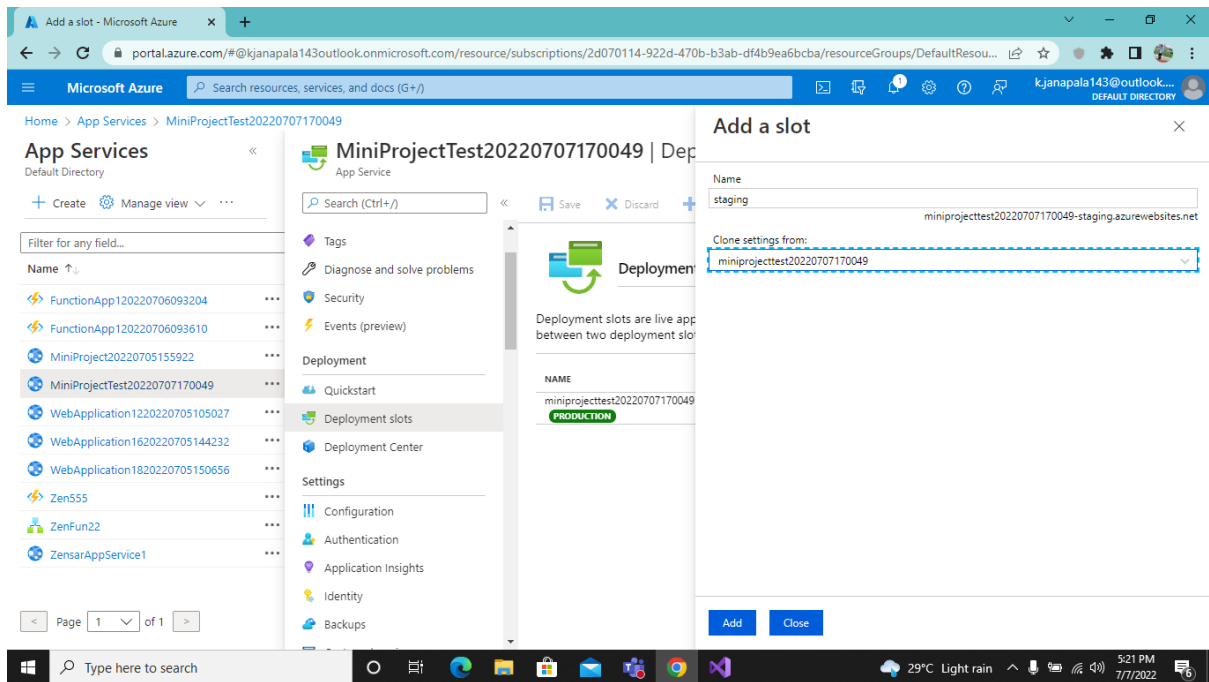
20. Screen shot showing scaling up specifications.



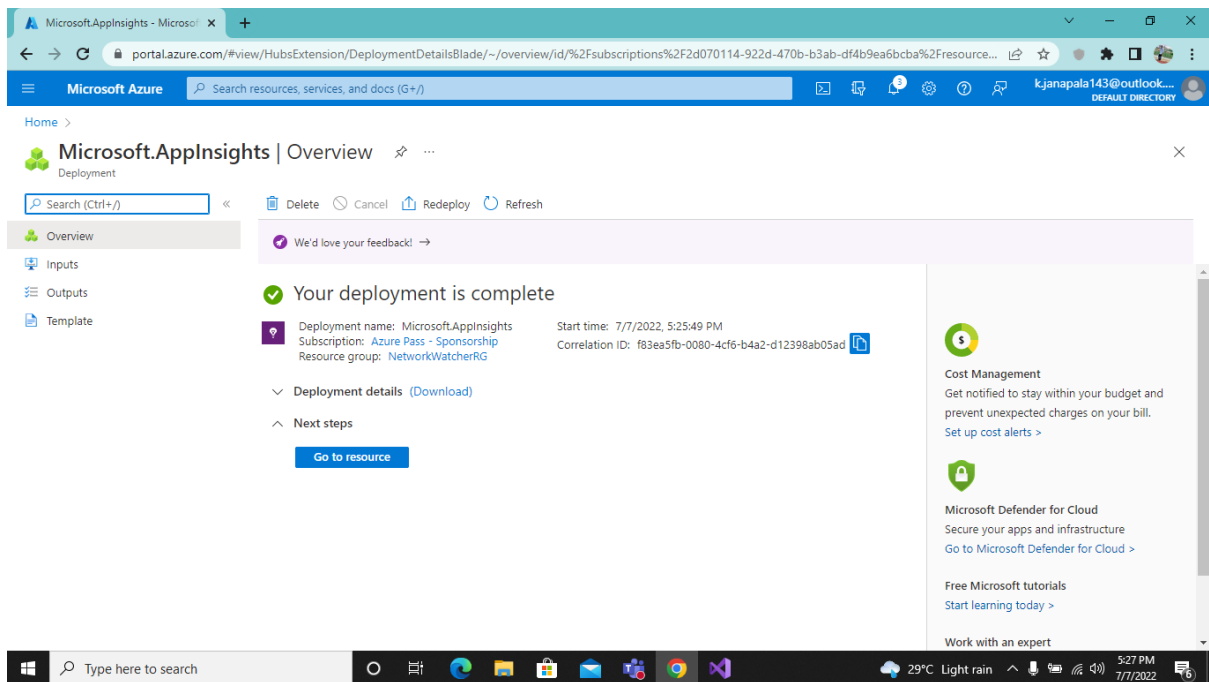
21. Screen shot showing scale out conditions for the app service.



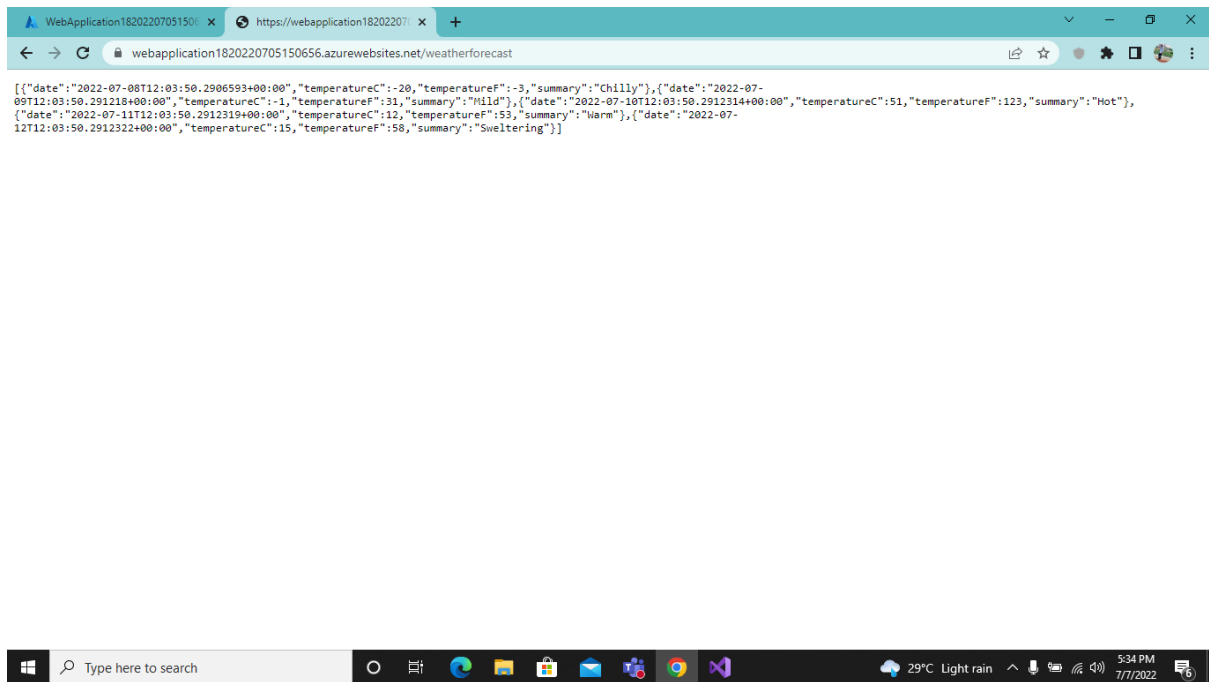
22. Screen shot showing default created deployment slot.



23. Screen shot showing adding a new slot for staging.



24. Screen shot showing created app insights for the deployed project.



25. Screen shot showing weatherforecast rest end point on the deployed app to test the deployed application.