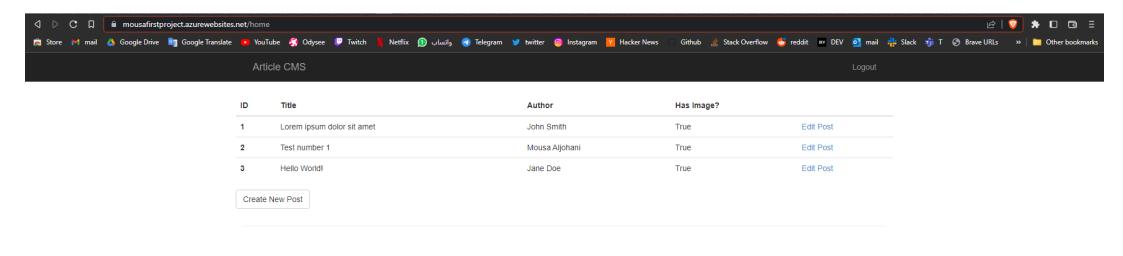
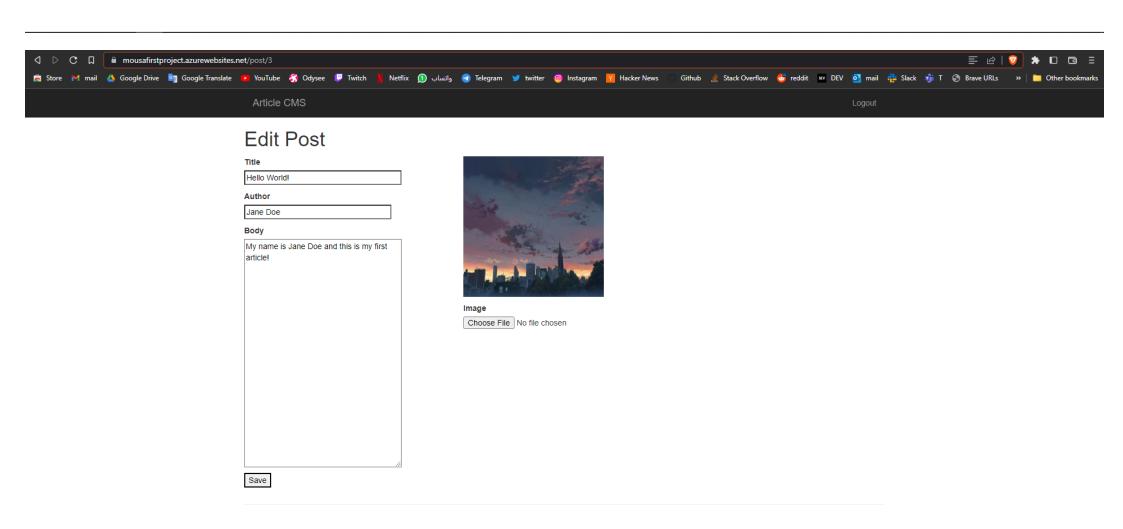
#### PROJECT SPECIFICATION

# **Deploy An Article CMS to Azure**

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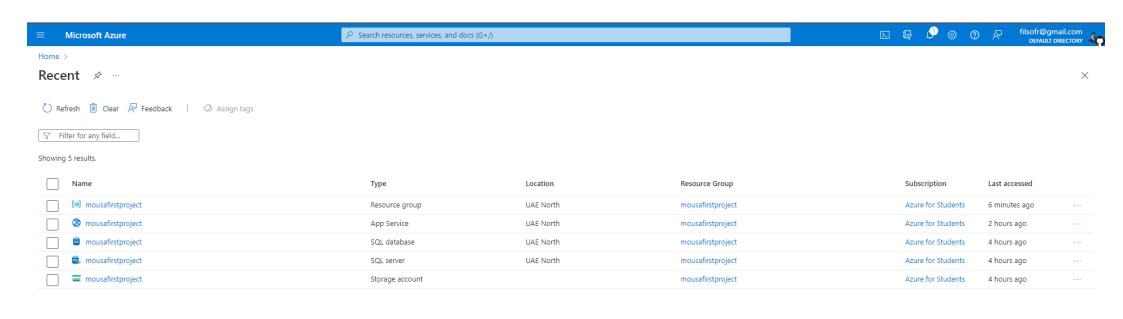


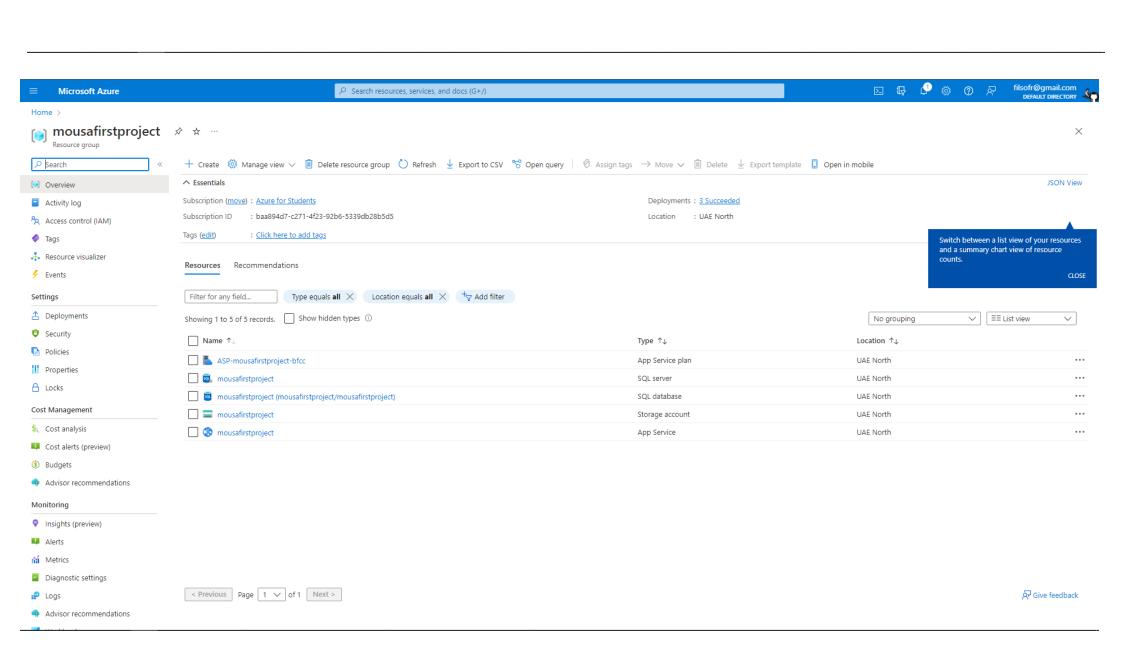


## **Resource Group**

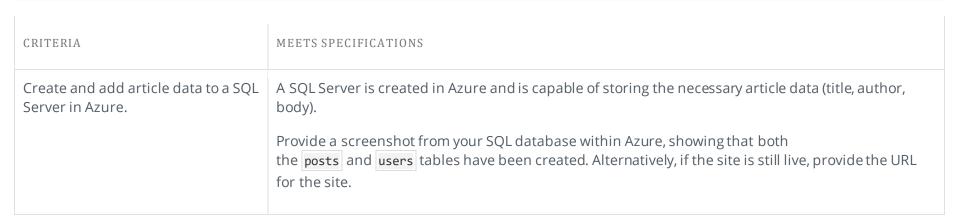
CRITERIA	MEETS SPECIFICATIONS
All relevant resources are contained in a single resource group.	The resource group must include a Storage Account, SQL Server, SQL Database, as well as any relevant services for deploying the web app.
	Provide a screenshot of the resource group in Azure, containing your running resources.

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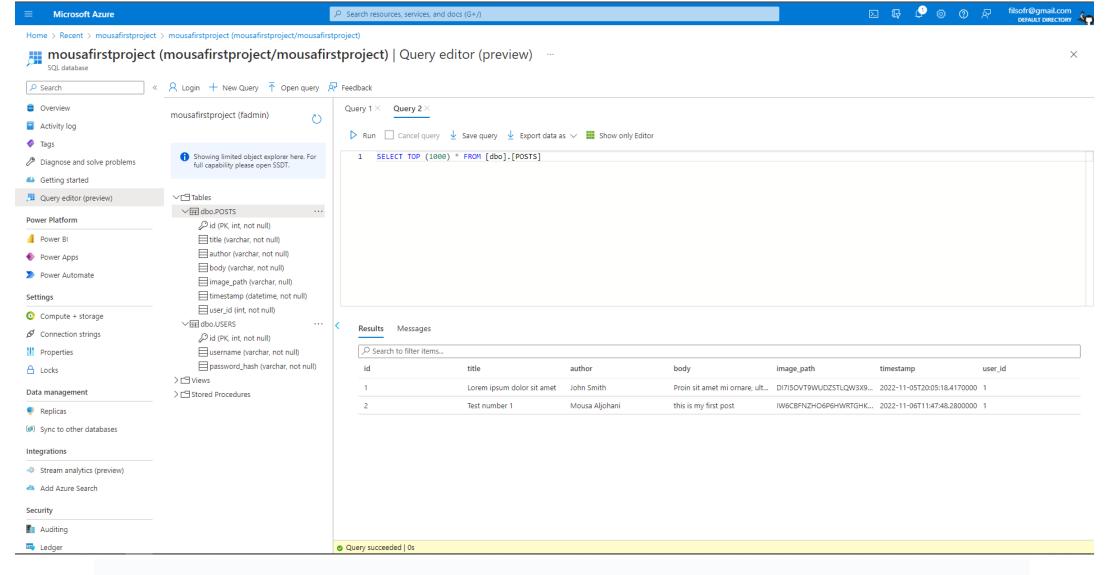


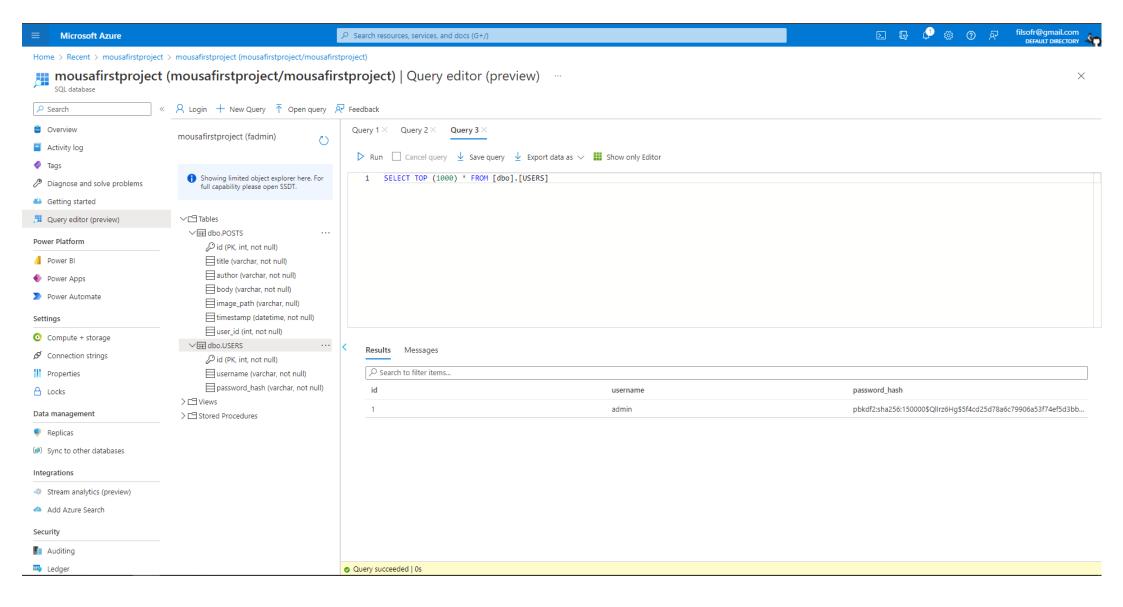




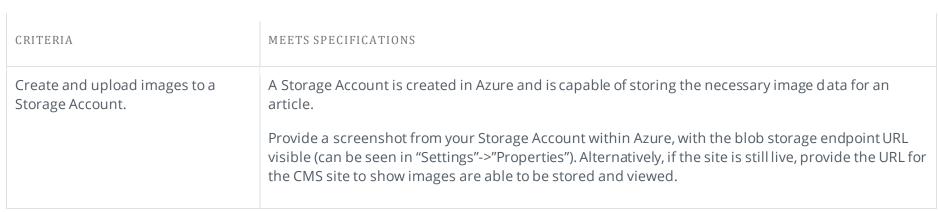


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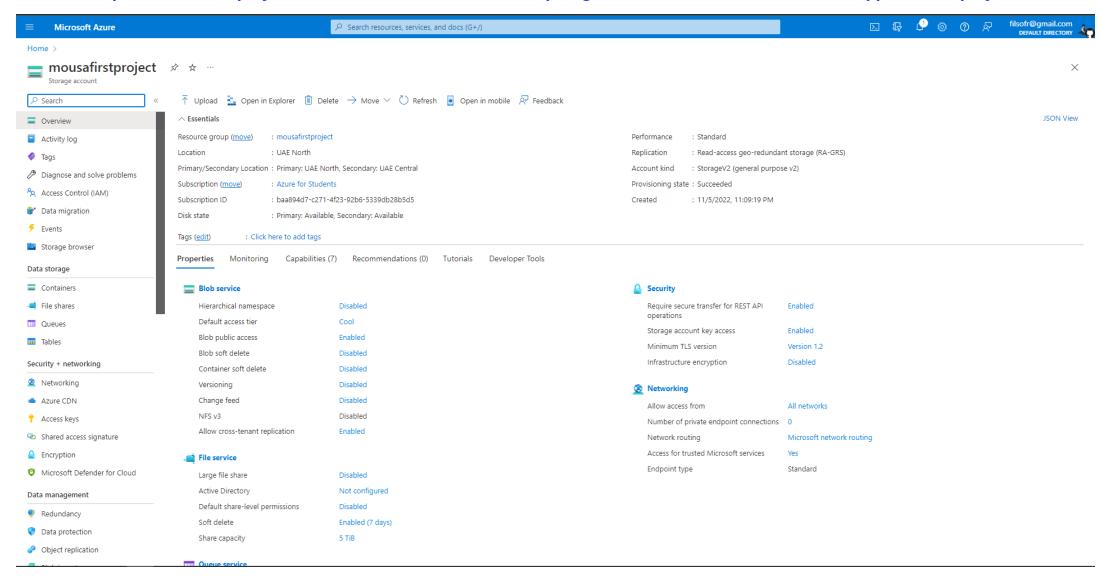


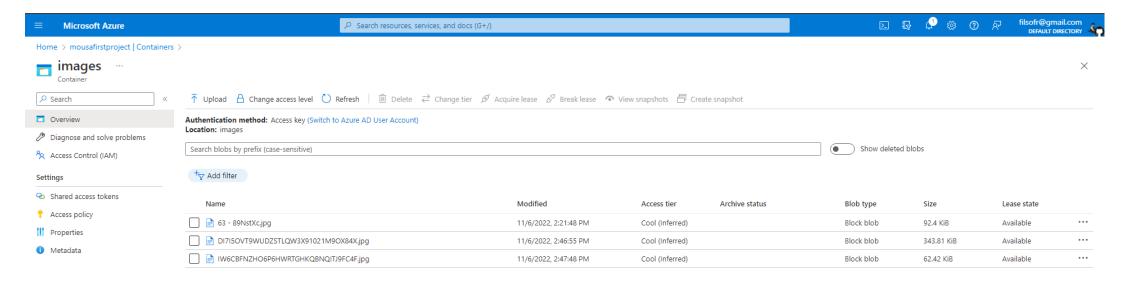


#### **Storage**



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## **Resource Justification**

CRITERIA	MEETS SPECIFICATIONS
Analyze, choose, and justify the appropriate resource option for deploying the app.	<ul> <li>In the provided writeup.md file, for both a VM or App Service solution for the CMS app:</li> <li>Analyze costs, scalability, availability, and workflow</li> <li>Choose the appropriate solution (VM or App Service) for deploying the app</li> <li>Justify your choice</li> <li>This does not need to be substantially long, but should include information on all four analysis points for each option, your choice, and at least 2-3 sentences on why you choose that option.</li> </ul>
Assess app changes that would change your decision.	In the provided writeup.md file, detail how the app and any other needs would have to change for you to change your decision in the last section.  This should be at least 2-3 sentences, but feel free to add as much detail as you feel necessary.

- For both a VM or App Service solution for the CMS app:
- Analyze costs, scalability, availability, and workflow

availability	Case	Points
VM	good	+1
App Service	best	+2

workflow	Case	Points
VM	Bad	0
App Service	Better	+2

Costs	Case	Points
VM	Expensive	0
App Service	Cheap	+1

scalability	Case	Points
VM	scalable	0
App Service	scalable 1	0

#### **Availability:**

Two points go to App Service for less concern about availability because you don't use the whole OS; instead, Azure will help you and manage all the OS stuff. This will lead to less downtime due to development mistakes.

# workflow:

VM will take a lot of your time configuring and maintaining the OS compared to App Service, which takes way less time; this will make you spend the time on the important stuff.

## **Costs:**

One point goes to the app service for being the best fit.

#### **Scalability:**

No point to either of them because scalability is not a concern; it's not a big website.

• Choose the appropriate solution (VM or App Service) for deploying the app

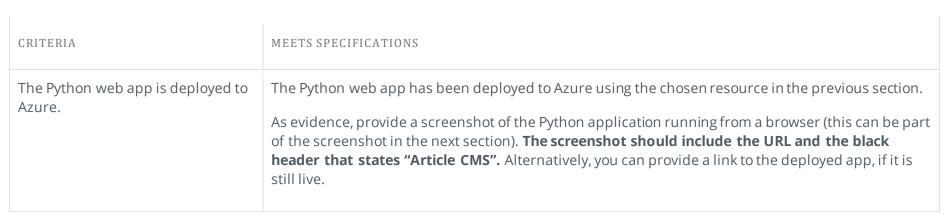
Points	
VM	1
App Service	5

As you can see, App Service will be the best choice for our project as it's the best fit.

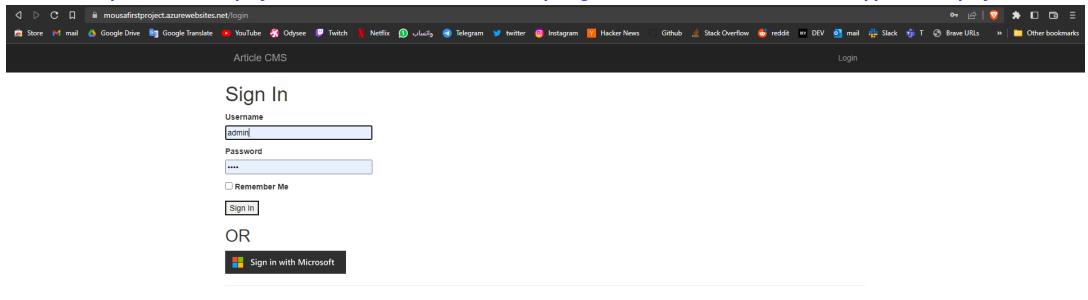
Assess app changes that would change your decision.

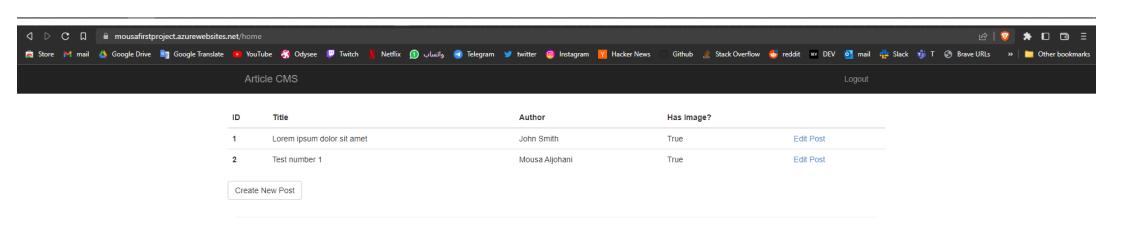
If this project was for a big publishing company, as they will have more visitors to the website, this definitely will make me review my choices.

## **Deployment**

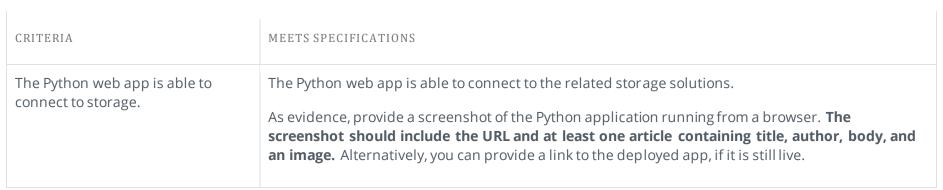


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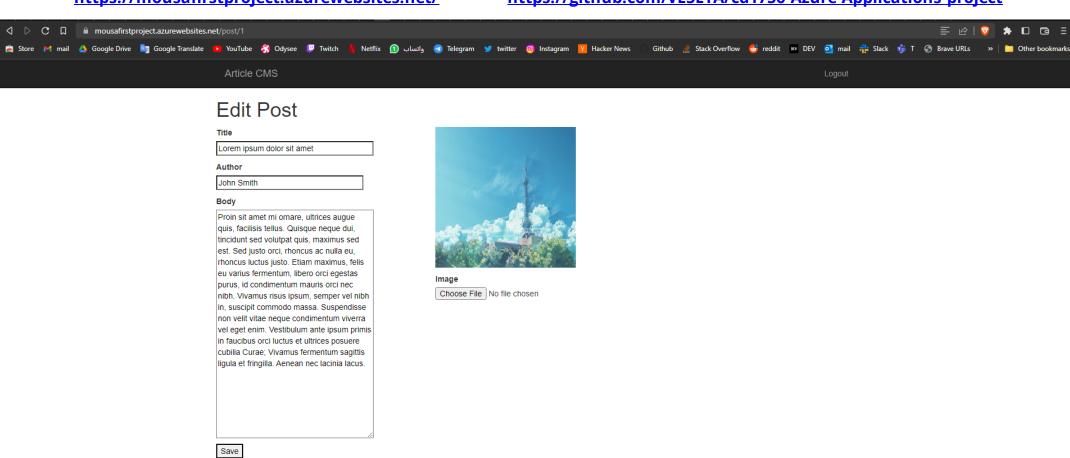


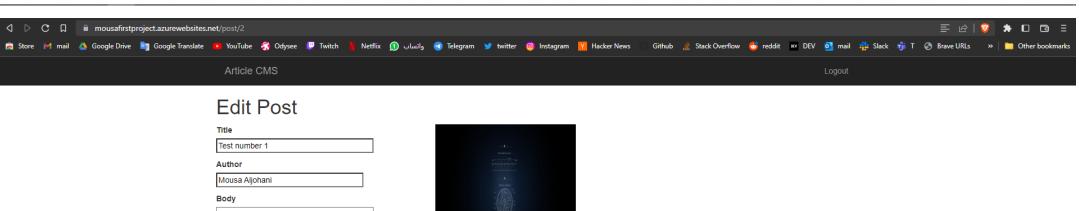


## **Deployment**



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#### **Security & Monitoring**

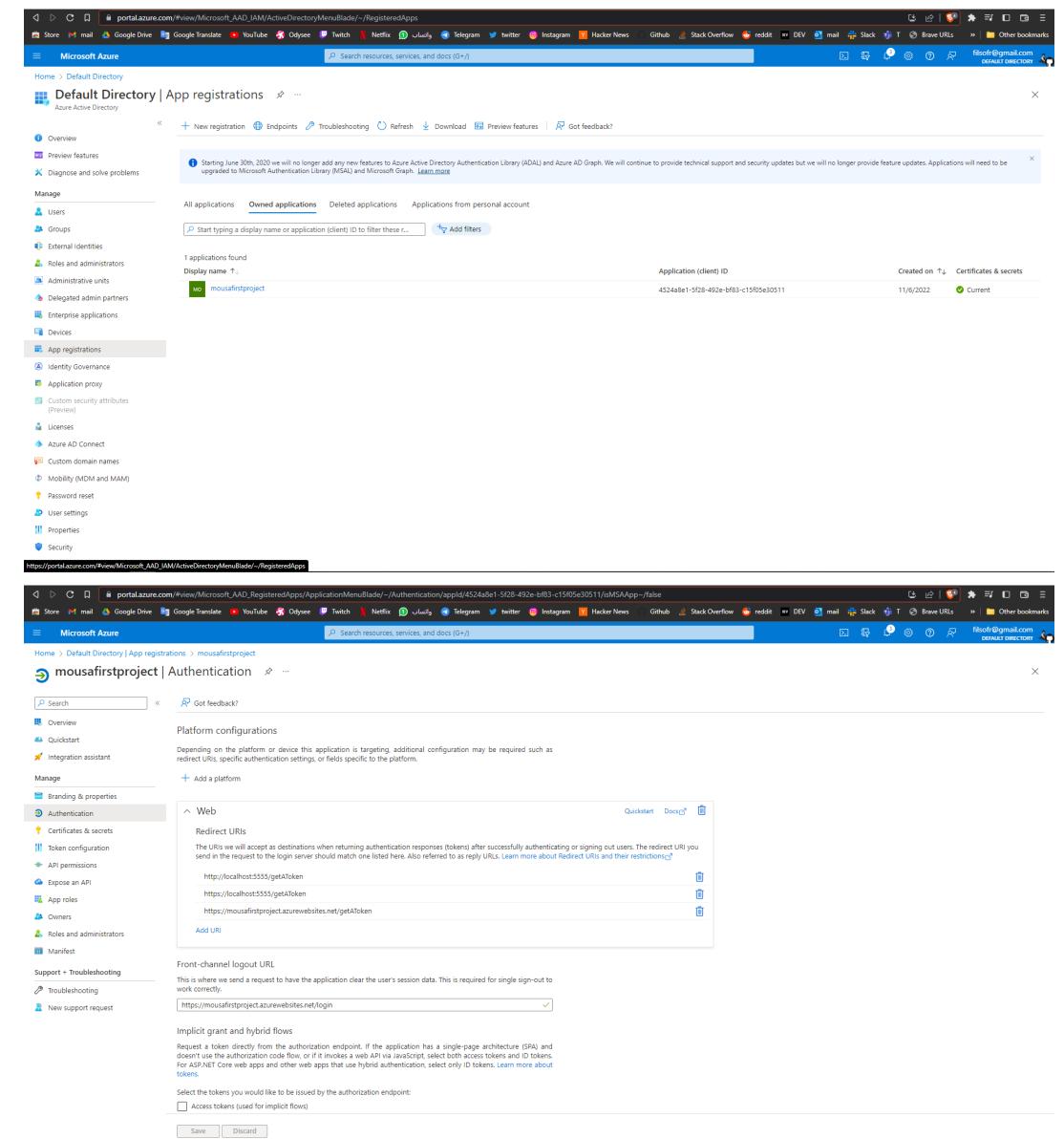
Add a functioning "Sign in with Microsoft" option to the app.

The Python web app has an additional, operational option to sign in with Microsoft.

As evidence, provide a screenshot of the redirect URIs configured within the App Registration page in Azure. Alternatively, you can provide a link to the deployed app, if it is still live.

Additionally, your code in views.py should appropriately implement the Microsoft sign-in button using the msal library.

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#### **Security & Monitoring**

CRITERIA	MEETS SPECIFICATIONS
Access attempts to the app are logged.	Both successful and unsuccessful attempts to access the web app are logged.  As evidence, provide a screenshot or download the logs from Azure containing at least one successful and one unsuccessful access attempt, and include in your submission files. If otherwise submitting a URL, please include a link to screenshot/logs in the "Submission Details" box on the project submission page.

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