

InnoDecor Web App Using Azure Services

Project Documentation

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Abstract

Innodecor, an innovative interior decor website hosted on **Azure Web App** and supported by **Azure Storage table**, offers users a comprehensive platform for home decoration inspiration and assistance. Through curated collections showcasing completed projects, users can explore diverse design ideas. Powered by **Azure QnA**, the 'Chat with Us' feature facilitates real-time interaction, providing personalized suggestions and answers to inquiries about services and products. Efficient communication channels, including a contact page and direct email and phone contacts, ensure timely resolution of user queries. Innodecor redefines the interior decor experience by seamlessly integrating technology and user-centric design, aiming to provide convenience, inspiration, and support to its users.

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1.Introduction

1.1 Background:

Step into a digital haven where design aspirations are transformed into reality.

Our website represents the epitome of contemporary interior design, offering an immersive online journey.

Clients are invited to explore a curated selection of inspirations and tailor-made solutions, igniting their creativity.

With our platform, homeowners are empowered to effortlessly reimagine their living spaces, ensuring comfort and style converge seamlessly.

Embrace a world where the essence of home is redefined, accessible with just a click.

1.2 Objective:

Our primary aim is to replicate the convenience and sophistication of traditional interior design services through innovative online features.

By introducing an intuitive appointment scheduling system, we seek to enhance client engagement and offer personalized consultations.

We prioritize offering customization options to ensure that our designs not only meet but exceed each client's expectations.

1.3 Scope:

Our services encompass a comprehensive range of interior design solutions, meticulously tailored to individual preferences and needs.

Through our chatbot interface, users can engage in interactive design consultations, receiving personalized recommendations and advice.

We aim to streamline communication and engagement by collecting user details through our contact page, fostering seamless interaction.

It's important to note that our current scope is focused solely on the visual representation of completed projects.

2. System Requirements and Specifications

2.1 What is SRS?

The Software Requirements Specification (SRS) serves as the cornerstone of our software development process.

It involves a thorough analysis of client needs and the translation of these requirements into a formal document.

The ultimate objective of the SRS phase is to produce a validated document that serves as a blueprint for further development.

2.2 Role of SRS:

The SRS plays a pivotal role in facilitating effective communication between clients and developers.

It serves as a roadmap, outlining the needs and expectations of all stakeholders involved in the project.

A well-crafted SRS ensures alignment and clarity, ultimately leading to successful project outcomes.

2.3 Requirements Specification Document:

Our Requirements Specification Document serves as a comprehensive guide, detailing the scope and nature of our software project.

It encompasses various aspects such as project purpose, scope, functional and non-functional requirements, and environmental considerations.

Additionally, it outlines safety and security requirements, ensuring the integrity and reliability of our software solution.

2.4 Functional Requirements:

Functional requirements define the specific functionalities that our system must support.

These requirements outline the various states of input data, as well as the processing methods required to generate output data.

Essentially, functional requirements dictate the precise behaviors and functions that our software application must exhibit.

2.5 Non-Functional Requirements:

Non-functional requirements focus on evaluating the performance and operation of our system.

These requirements encompass aspects such as reliability, performance, and security, setting the standards for our system's performance and operational constraints.

For instance, our system must operate smoothly without bugs and ensure minimal lag when displaying content.

2.6 Performance:

Evaluating the performance of our deployed website is essential to ensure it meets predefined goals.

This evaluation involves identifying any bottlenecks that may impact performance and determining whether the application aligns with performance targets.

Defining metrics such as response time, latency, throughput, and resource utilization is critical to this evaluation process, enabling us to optimize performance and efficiency.

2.7 Software Requirements:

- Operating system: Windows 10/11 or MAC OS.
- Platform: Microsoft Azure, Visual Studio Code
- Microsoft azure subscription (Free Trial or Azure for student or Pay-as-you-go)
- website programming language: HTML, CSS, Node.js

2.8 Hardware Requirements:

- Processor: Intel core i3 and above
- Hard disk: 256 GB or above
- RAM: 4GB or above
- Internet: 1 Mbps or above

3. Used Azure Services

A. Azure Storage Account:

An Azure storage account contains all of your Azure Storage data objects: blobs, files, queues, and tables. The storage account provides a unique namespace for your Azure Storage data that's accessible from anywhere in the world over HTTP or HTTPS. Data in your storage account is durable and highly available, secure, and massively scalable.

Types of storage accounts

Azure Storage offers several types of storage accounts. Each type supports different features and has its own pricing model.

The following table describes the types of storage accounts recommended by Microsoft for most scenarios. All of these use the Azure Resource Manager deployment model.

- **General-purpose v2 accounts:** Basic storage account type for blobs, files, queues, and tables. Recommended for most scenarios using Azure Storage.
- **General-purpose v1 accounts:** Legacy account type for blobs, files, queues, and tables. Use general-purpose v2 accounts instead when possible.

- **Block Blob Storage accounts:** Storage accounts with premium performance characteristics for block blobs and appends blobs. It is recommended for scenarios with high transaction rates or scenarios that use smaller objects or require consistently low storage latency.
- **File Storage accounts:** Files-only storage accounts with premium performance characteristics. Recommended for enterprise or high-performance scale applications.
- **Blob Storage accounts:** Legacy Blob-only storage accounts. Use general-purpose v2 accounts instead when possible.

B. Azure App Service:

Azure App Service is a Platform as a Service (PaaS) offering. This means you or your organization is only responsible for managing your business application and its data. Everything else is managed by Azure. You don't have to worry about any of the things like, managing the network or underlying infrastructure. Installing the operating system updates, critical patches, runtime or middleware components. All these are taken care by Azure. This gives you, even more time to concentrate on what matters to your business.

Benefits of using azure app service:

1. Fully managed environment

It's a fully managed environment, meaning App Service automatically patches and maintains the OS and language frameworks for you. You get the time to focus on designing, developing and maintaining your application and data.

Azure App Service supports a wide variety of programming languages and frameworks.

- .NET
- .NET Core
- Java
- Ruby
- Node.js
- PHP
- Python

You can also run PowerShell and other scripts or executables as background services.

2. Scalability

Based on the demand for your application, App Service can scale resources up and down or in and out. You can do this either manually if you want to or automatically based on metrics like CPU utilization for example.

3. Compliance

App Service is ISO (International Organization for Standardization), SOC (Service Organization Controls), and PCI (Payment Card Industry) compliant.

4. Security

Authenticate users with Azure Active Directory or any of the external authentication providers like Google, Facebook, Twitter, or Microsoft.

5. Support for Containerization and Docker

You can also host a custom Windows or Linux container in App Service. So, if you want to, you can dockize your app and host it in App Service. You can also run multi-container apps with Docker Compose. We will discuss how to do all these in our upcoming videos.

6. DevOps optimization

Set up CI/CD i.e. continuous integration and deployment with Azure DevOps, GitHub, Bitbucket, Docker Hub, or Azure Container Registry.

7. Access on-premises data

With App Service you can still access data on your on-premise servers using Hybrid Connections and Azure Virtual Networks.

C. Azure QnA Service:

Azure QnA Maker is a cloud-based Natural Language Processing (NLP) service that allows you to create a natural conversational layer over your data.

It is used to find the most appropriate answer for any input from your custom knowledge base (KB) of information.

Azure QnA Maker is commonly used to build conversational client applications, which include social media applications, chat bots, and speech-enabled desktop applications.

Azure QnA Maker doesn't store customer data. All customer data (question

answers and chat logs) are stored in the region the customer deploys the dependent service instances in.

Azure Bot Service is basically Microsoft's artificial intelligence (AI) chatbot platform offered as a service on the Azure cloud service marketplace. Azure Bot Services offers the ability to chatbot developers to add intelligent agents to their bots that are capable of conversation without having to commit the resources to develop one's own AI.

D. Azure Resource Group:

Resources are instances of azure services that you create, like virtual machines, app services, storage accounts, SQL databases, function apps etc. All these are azure services. Every time you create an instance of a service, you are creating a resource. There are hundreds of azure services.

As the name implies, a Resource Group is a group of azure resources like virtual machines, app services, storage accounts, SQL databases etc. It's a logical container for grouping related azure resources.

E. Azure Application Insights

the key features of Azure Application Insights, a powerful service for monitoring and improving your web applications:

- **Investigate:**
 - Application Dashboard: Provides an at-a-glance assessment of your application's health and performance.
 - Application Map: Visualizes your application's architecture and interactions between components.

- Live Metrics: Real-time analytics dashboard for insights into application activity and performance.
 - Transaction Search: Trace and diagnose transactions to identify issues and optimize performance.
 - Availability View: Proactively monitor and test application endpoints.
 - Failures View: Identify and analyze failures to minimize downtime.
 - Performance View: Review application performance metrics and potential bottlenecks.
- **Monitoring Alerts:**
 - Monitor various aspects of your application and trigger actions based on thresholds.
- **Usage Analysis:**
 - Understand user interactions, sessions, and events.
 - Analyze conversion rates using funnels.
 - Visualize user paths with flows.
 - Group users by shared characteristics using cohorts.
- **Code Analysis:**
 - Profiler: Capture and view performance traces.
 - Code Optimizations: Use AI to create more efficient applications.
 - Snapshot Debugger: Automatically collect debug snapshots for .NET applications.

F. Log Analytics Workspace

A Log Analytics workspace is a unique environment for log data from various Azure services, including Azure Monitor, Microsoft Sentinel, and Microsoft Defender for Cloud.

Each workspace has its own data repository and configuration, potentially combining data from multiple services.

Key Points:

- **Data Structure:** Workspaces contain tables with organized columns and rows of data. Log queries retrieve data from these tables.
- **Cost:** No direct cost for creating or maintaining a workspace. You're charged for data ingestion and retention.
- **Workspace Transformation:** Allows filtering and transforming data before ingestion.
- **Create a Workspace:** Use the Azure portal to create a new workspace based on your requirements.

G. Azure Service Health

Azure Service Health provides valuable alerts and guidance when Azure service issues, such as outages and planned maintenance, impact your resources. It's like having a vigilant health monitor for your Azure environment!

Here are some key points about Azure Service Health:

Purpose and Functionality:

- **Service Health Dashboard:** Access an interactive dashboard in the Azure portal to check active, upcoming, and past issues affecting Azure services.
- **Alerts and Notifications:** Set up Service Health alerts to receive timely notifications via your preferred communication channels (email, SMS, etc.) when service issues or changes may impact your resources.
- **Planned Maintenance Insights:** Stay informed about scheduled maintenance events that might affect your services.

Availability:

- **Free Service:** Azure Service Health is available at no additional cost.
- **Accessible in the Portal:** You can access it directly from the Azure portal.

H. App Service Backup

In Azure App Service, you can easily restore app backups. You can also make on-demand custom backups or configure scheduled custom backups. You can restore a backup by overwriting an existing app by restoring to a new app or slot. This article shows you how to restore a backup and make custom backups.

Backup and restore are supported in Basic, Standard, Premium, and Isolated tiers. For Basic tier, only the production slot can be backed up and restored.

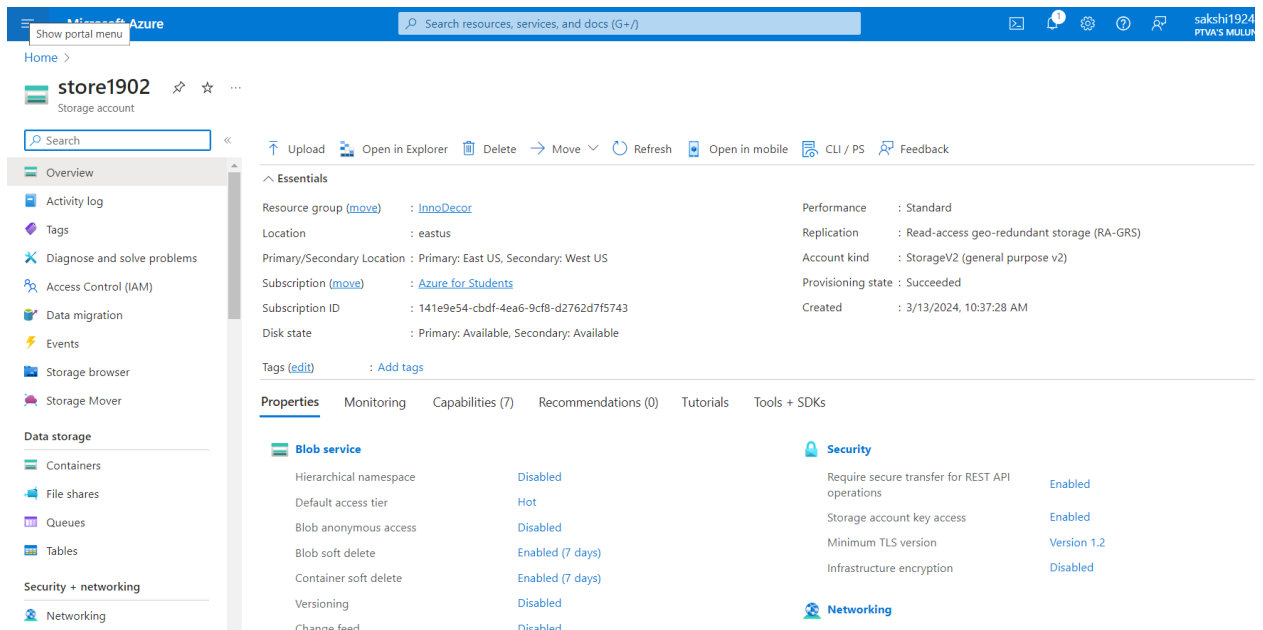
For App Service Environments:

- Automatic backups can be restored to a target app within the App Service environment itself, not in another App Service environment.
- Custom backups can be restored to a target app in another App Service environment, such as from App Service Environment v2 to App Service Environment v3.
- Backups can be restored to target app of the same OS platform as the source app.

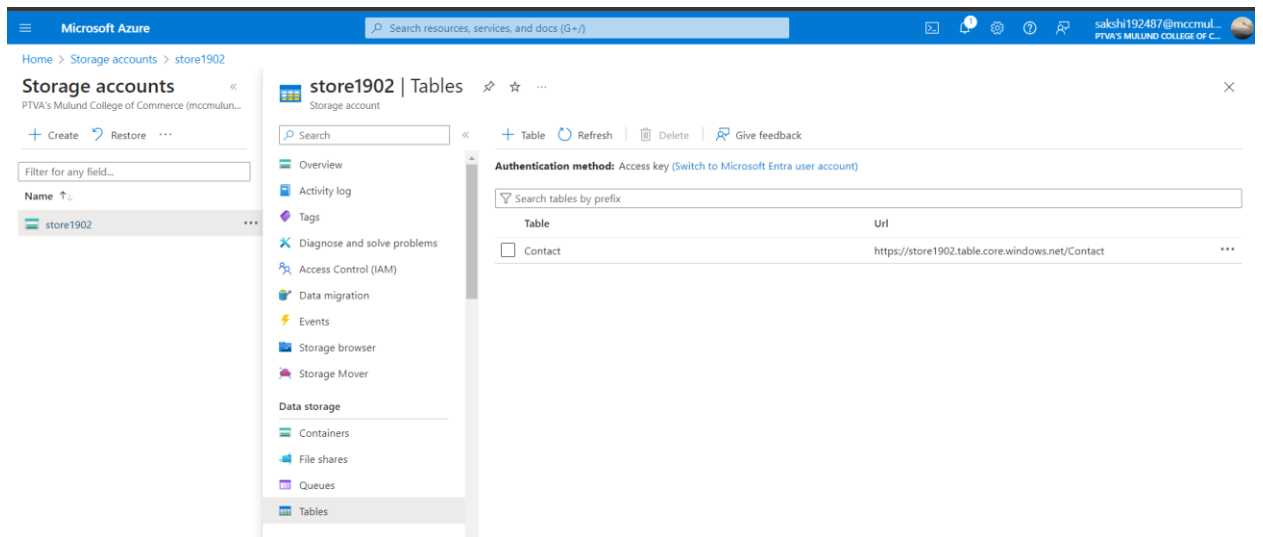
4. Implementation

Since I have already created so I will just demonstrate the steps.

1. I have created Storage Account with unique storage account name.



Click on Table in Data Storage (Left Panel)
Create a new table with name “Contact”



Go to Home -> All Resource -> AI + Machine Learning -> Language Service

The screenshot shows the Microsoft Azure portal interface. At the top, there's a blue header with the Microsoft Azure logo and a search bar. Below the header, the 'Create a resource' section is active. On the left, a sidebar lists various categories, with 'AI + Machine Learning' selected. The main content area displays 'Popular Azure services' and 'Popular Marketplace products'. Under 'Popular Azure services', the 'Language service' is highlighted, showing options to 'Create', 'Docs', and 'MS Learn'. Other services listed include Azure Synapse Analytics, Azure AI services, Speech, Computer Vision, Translator, and QnA Maker. Under 'Popular Marketplace products', items like App-Service-UI, NVIDIA GPU-Optimized VMI, Windows Server vNext Datacenter, Standard, Chatbot Pricing, Basic, and 1) Starter Plan are listed.

Microsoft Azure

Search resources, services, and docs (G+)

Home >

Create a resource

Get Started

Recently created

Categories

AI + Machine Learning

Analytics

Blockchain

Compute

Containers

Databases

Developer Tools

DevOps

Identity

Integration

Internet of Things

IT & Management Tools

Media

Migration

Search services and marketplace

Getting Started? Try our Quickstart center

Popular Azure services See more in All services

Azure Synapse Analytics
Create | Docs | MS Learn

Azure AI services
Create | Docs | MS Learn

Speech
Create | Docs | MS Learn

Language service
Create | Docs | MS Learn

Computer Vision
Create | Docs | MS Learn

Translator
Create | Docs | MS Learn

QnA Maker
Create | Docs | MS Learn

Language Understanding

Popular Marketplace products See more in Marketpla

App-Service-UI
Set up + subscribe | Learn more

NVIDIA GPU-Optimized VMI - v22.06.0
Create | Learn more

Windows Server vNext Datacenter: Azure Editi
Create | Learn more

Standard
Set up + subscribe | Learn more

Chatbot Pricing
Set up + subscribe | Learn more

Basic
Create | Learn more

1) Starter Plan
Set up + subscribe | Learn more

Databricks Databricks Annual Edition

Select Custom Question Answering ->Continue to Create Your Resource-> In Create Language fill all the details -> Review + Create

Microsoft Azure

Search resources, services, and docs (G+)

Home > DSSChat >

DSSChatBot Language

Search Delete

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

Resource Management

- Features
- Keys and Endpoint
- Encryption
- Commitment tier pricing
- Pricing tier
- Networking
- Identity
- Cost analysis
- Properties
- Locks

Essentials

Resource group (move) : DSSChat

Status : Active

Location : East US

Subscription (move) : Azure for Students

Subscription ID : 141e9e54-cbdf-4ea6-9cf8-d2762d7f5743

Tags (edit) : Add tags

See more

API Kind : TextAnalytics

Pricing tier : Standard

Endpoint : https://dsschatbot.cognitiveservices.azure.com/

Manage keys : Click here to manage keys

Autoscale : Disabled

Get Started Discover Develop Deploy

Text Analytics has been rebranded and incorporated into Azure AI service for Language. [Learn More](#)

Get Started with Language service

Azure AI service for Language enables you to build apps with industry-leading natural language understanding capabilities without machine learning expertise. [Learn More](#)

Discover

Develop

Deploy

<https://portal.azure.com/#@micromulund.ac.in/resource/subscriptions/141e9e54-cbdf-4ea6-9cf8-d2762d7f5743> your service in the cloud or on your

Home > DSSChat >

DSSChatBot Language

Search Delete

Overview

- Activity log
- Access control (IAM)
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- Diagnose and solve problems

Resource Management

- Features
- Keys and Endpoint
- Encryption
- Commitment tier pricing
- Pricing tier
- Networking
- Identity
- Cost analysis
- Properties
- Locks

Get Started with Language service

Azure AI service for Language enables you to build apps with industry-leading natural language understanding capabilities without machine learning expertise. [Learn More](#)

Discover

Whether running our service in the cloud or on your own servers see what Language service can do in a variety of scenarios

Discover

Develop

Learn the basics, check out our sample code and implement and customize your solution with Language Studio, no coding required.

Develop

Deploy

Decide on hosting options, monitor your usage check out your support options.

Deploy

Language Studio

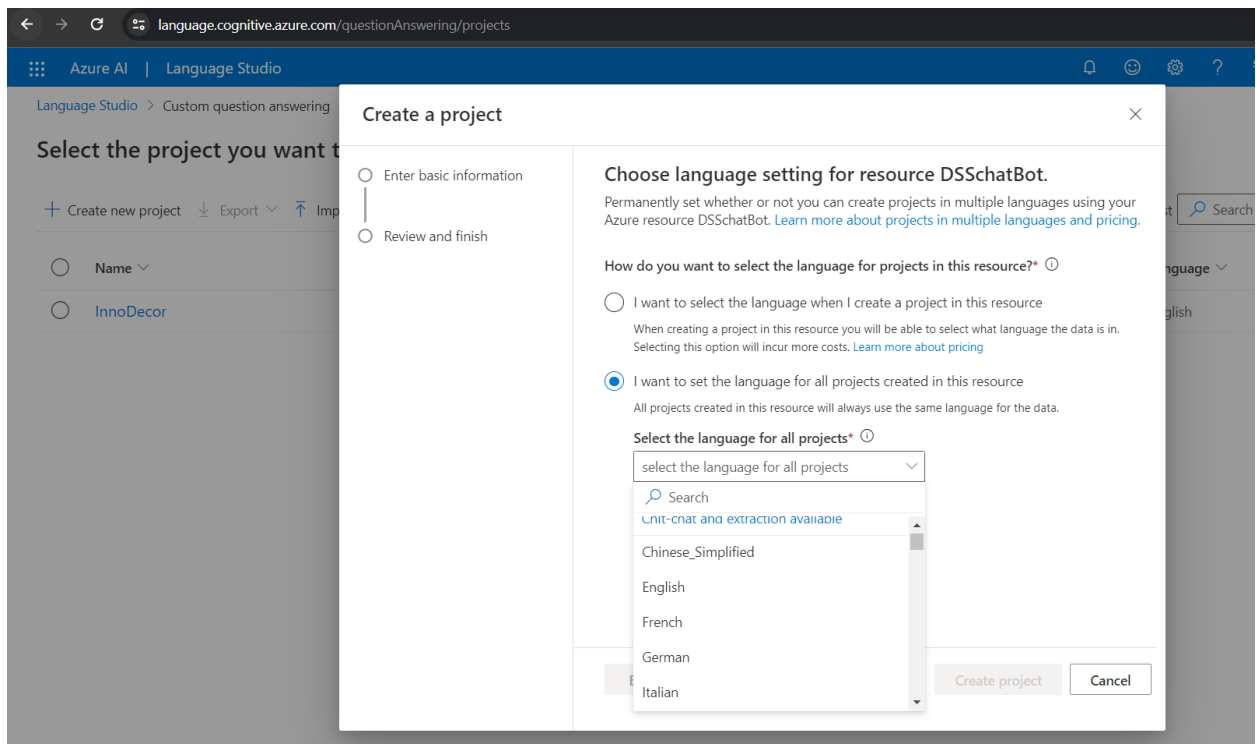
Language Studio is a set of UI-based tools that lets you explore, build, and integrate features from Azure AI service for Language into your applications.

[Get started with Language Studio](#)

Get started with Language Studio

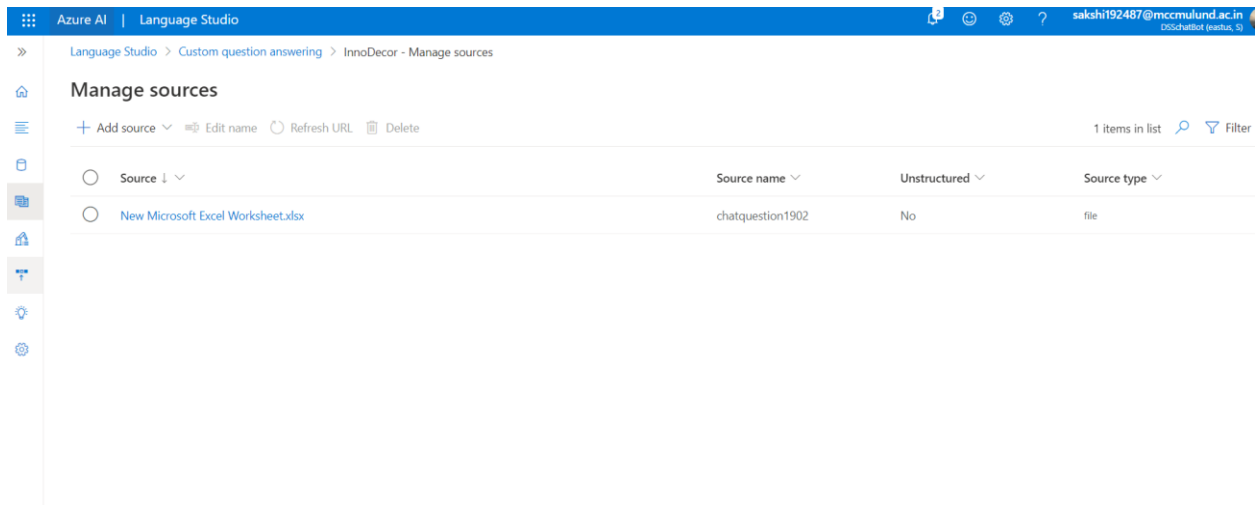
<https://go.microsoft.com/fwlink/?linkid=2194422>

Click on Language Studio ->



Fill all the details by clicking Next and then Click on Create Project

Add you excel file of customized question and answer in Manage sources



Click on Deploy (in Deploy Knowledge Base)->Click on Bot to create Chatbot

Home > DSSchatBot

DSSchatBot | Keys and Endpoint

Language

Search

Regenerate Key1 Regenerate Key2

These keys are used to access your Azure AI services API. Do not share your keys. Store them securely– for example, using Azure Key Vault. We also recommend regenerating these keys regularly. Only one key is necessary to make an API call. When regenerating the first key, you can use the second key for continued access to the service.

Show Keys

KEY 1
.....

KEY 2
.....

Location/Region ⓘ
eastus

Endpoint
https://dsschatbot.cognitiveservices.azure.com/

After filling all details click on Review + Create
Chatbot Resource Group Will Look like this

DSSChat Resource group

Search

Create Manage view Delete resource group Refresh Export to CSV Open query Assign tags

Essentials JSON View


Resources Recommendations

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 6 of 6 records. Show hidden types No grouping List view

Name	Type	Location
DSSchatBot	Language	East US
DSSchatBot	App Service	East US
dsschatbot-aswawq26gt7repw	Search service	East US
DSSchatBot-bot	Azure Bot	Global
DSSchatBot-bot	Managed Identity	East US
DSSchatBot-serverfarm-e3534b	App Service plan	East US

[Home](#) > [DSSchatBot-bot](#)

 **DSSchatBot-bot** | Test in Web Chat ☆ ...
Azure Bot

Overview

Activity log

Access control (IAM)

Tags

Settings

Bot profile

Configuration

Channels

Pricing

Test in Web Chat

Encryption

Networking

Properties

Locks

Monitoring

Conversational analytics

Alerts

Test

Start over

Welcome to the QnA Maker sample! Ask me a question and I will try to answer it.

Just now

hii

Just now

Hii, Welcome to InnoDecor! I am here to solve you queries.Feel free to ask anything.


Just now


How do I make my room look bigger

Just now

Using light colors and mirrors can make a room appear larger.

Just now

 Type your message



We can also test our Chatbot

Now Let's make Our Web App
For Creating WebApp we have two options

- 1) Azure Portal
- 2) Visual Studio Code

Azure Portal

Go to App Services -> Create -> Web App ->

Home > App Services >

Create Web App

Basics Database Deployment Networking Monitoring Tags Review + create

App Service Web Apps lets you quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance. [Learn more](#)

Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ Azure for Students

Resource Group * ⓘ (New) Resource group
[Create new](#)

Instance Details

Name * Web App name.azurewebsites.net

Publish * ☒ Code ☐ Docker Container ☐ Static Web App

Runtime stack * Select a runtime stack

Operating System ☒ Linux ☐ Windows

[Review + create](#) [< Previous](#) [Next : Database >](#)

Fill the details and Click on Review + Create -> Go to resource

Home > Resource groups > InnoDecor >

InnoDecor

Web App

Search

⌵ Browse ▶ Start ⏸ Swap ↺ Restart 🗑 Delete ⌲ Refresh ⬇ Download publish profile ↺ Reset publish profile 📄 Share to mobile 🗉 Send us your feedback

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Microsoft Defender for Cloud
- Events (preview)
- Log stream

Deployment

- Deployment slots
- Deployment Center

Settings

- Configuration
- Authentication
- Application Insights

Essentials

Resource group (move) : innoDecor

Status : Stopped

Location (move) : East US

Subscription (move) : Azure for Students

Subscription ID : 141e9e54-cbdf-4ea6-9cf8-d2762d7f5743

Tags (edit) : Add tags

Default domain : innoDecor.azurewebsites.net

App Service Plan : InnoDecorASP (B1: 1)

Operating System : Linux

Health Check : Cannot determine health check status while app is in a "Stopped" state.

JSON View

Properties

Monitoring Logs Capabilities Notifications Recommendations

Web app

Name	InnoDecor
Publishing model	Code
Runtime Stack	Node - 20-Its

Domains

Default domain	innoDecor.azurewebsites.net
Custom domains	Add custom domains

Deployment Center

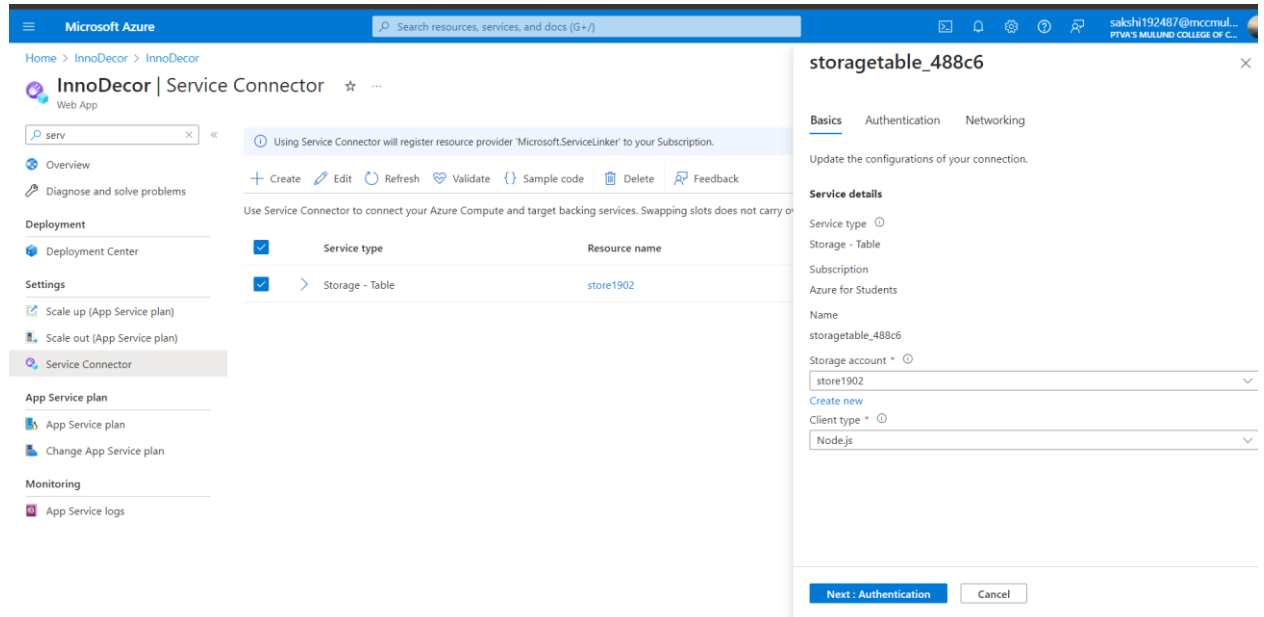
Deployment logs	View logs
Last deployment	Loading deployments...
Deployment provider	None

Application Insights

Name	InnoDecorAIR
Custom details	Add custom details

Connect storage account to web app by using Service Connector in App Services

App Service -> Service Connector (Left Panel) -> Create



Connect storage account to web app by using Azure CLI

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

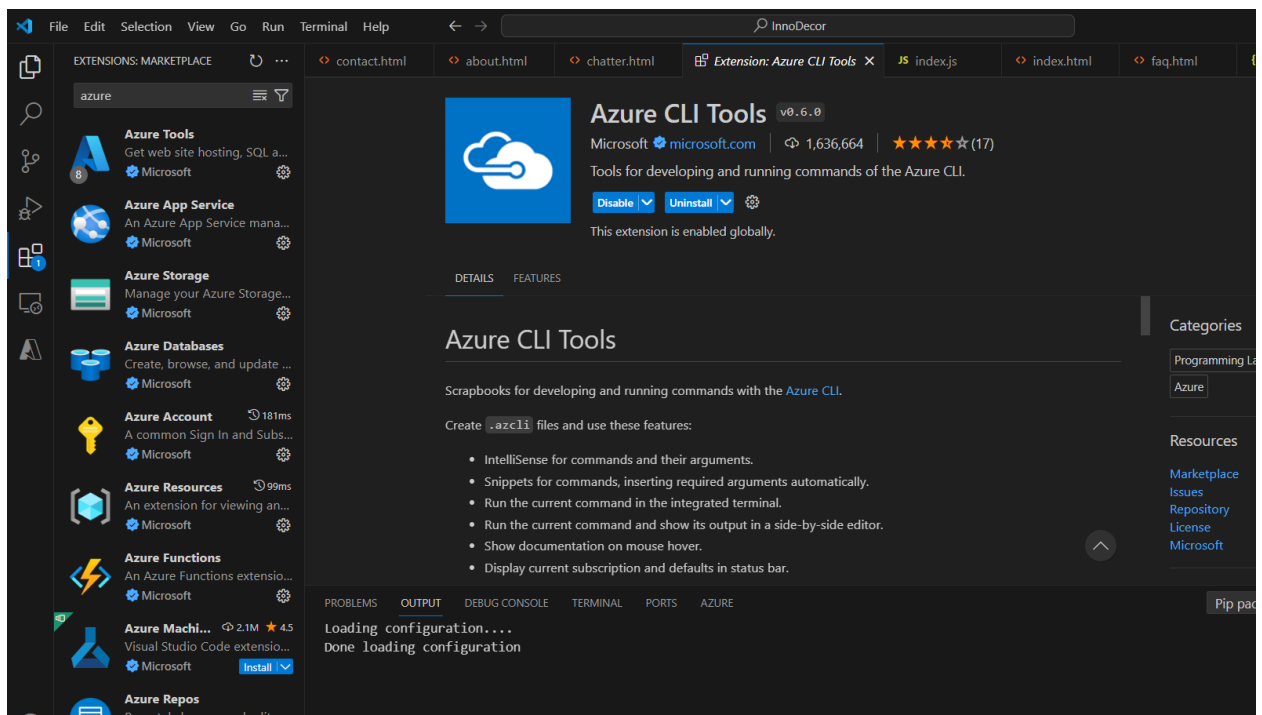
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ADMIN> az account list
[
  {
    "cloudName": "AzureCloud",
    "homeTenantId": "5f48d04c-4ebb-4916-8be5-5d6447bb80cb",
    "id": "141e9e54-cbdf-4ea6-9cf8-d2762d7f5743",
    "isDefault": true,
    "managedByTenants": [],
    "name": "Azure for Students",
    "state": "Enabled",
    "tenantId": "5f48d04c-4ebb-4916-8be5-5d6447bb80cb",
    "user": {
      "name": "sakshi192487@mccmulund.ac.in",
      "type": "user"
    }
  }
]
```

```
Windows PowerShell
webapp app-insights secret(auto) dotnet, dotnet-internal, java, python, nodejs
PS C:\Users\ADMIN> az webapp connection create storage-table
Connection name is not specified, use generated one: --connection storagetable_h2xmj
Auth info is not specified, use default one: --system-identity
The resource group which contains the webapp (--resource-group/-g): Innodecor
Name of the webapp (--name/-n):
Name of the webapp (--name/-n) should not be blank
PS C:\Users\ADMIN> az webapp connection create storage-table
Connection name is not specified, use generated one: --connection storagetable_r43ci
Auth info is not specified, use default one: --system-identity
The resource group which contains the webapp (--resource-group/-g): Innodecor
Name of the webapp (--name/-n): InnoDecor
The resource group which contains the storage account (--target-resource-group/--tg): Innodecor
Name of the storage account (--account): store1902
Apply interactive Input arguments: --resource-group Innodecor --name InnoDecor --target-resource-group Innodecor --account store1902
Client type is not specified, use detected one: --client-type nodejs
{
```

We Can also create web App using Visual Studio Code

First Download All the Azure Extension which will be required for the project

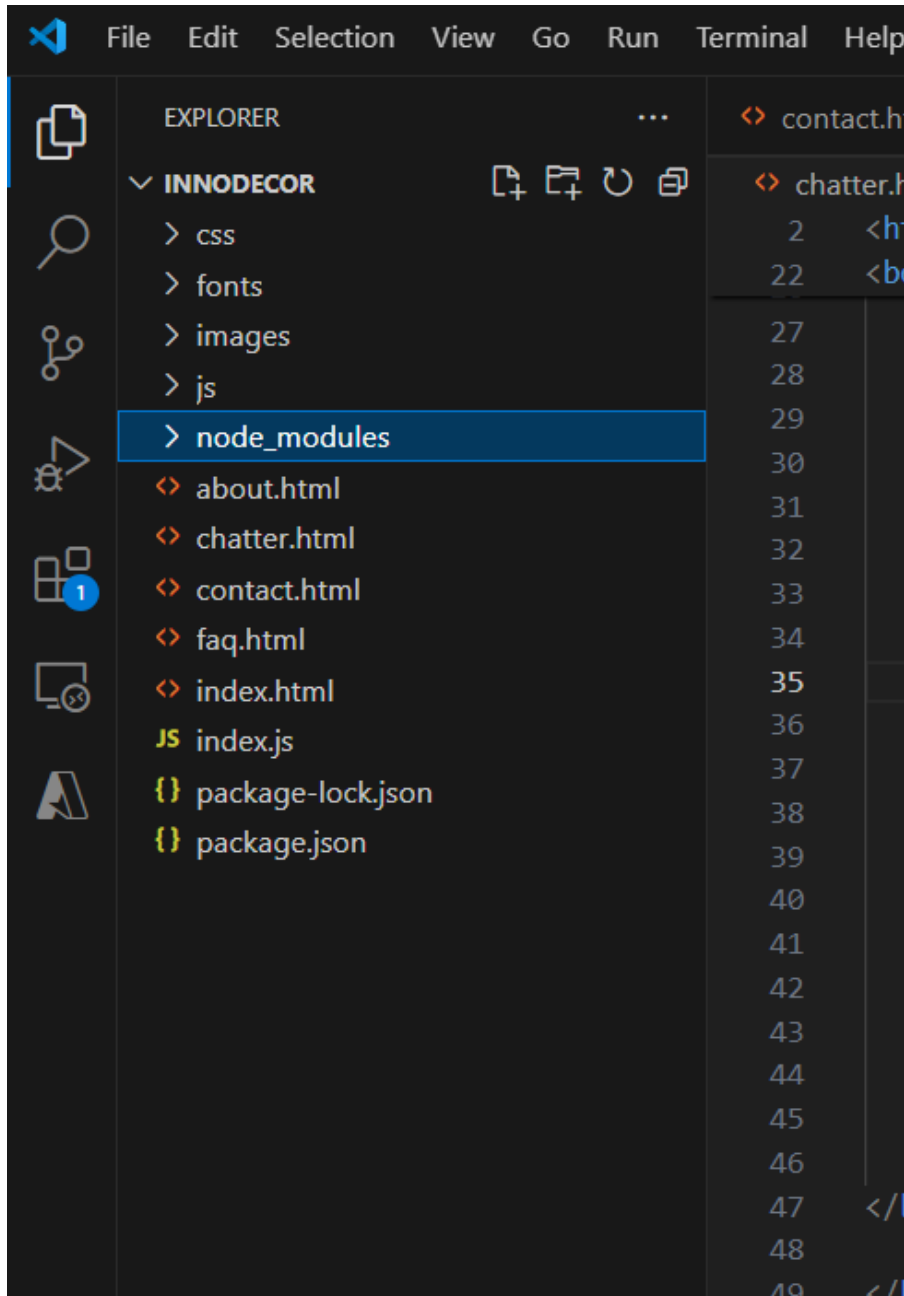


Such as Azure Account, Azure tools, Azure App Service, Azure Cli, Azure resources etc.

My Project is based on Node.js so I had installed Node.js in my pc and I had also installed nodes.js packages in the folder where I have my website files and folders.

for that I have run this command

npm install express ejs body-parser azure-storage



Node.js packages had been installed in node_modules

Make Connection of Azure Storage Table with Azure Web App via Connection String of Azure Storage Table.

Microsoft Azure

Home > InnoDecor > store1902

store1902 | Tables

Storage account

Search

Table Refresh Delete Give feedback

Authentication method: Access key (Switch to Microsoft Entra user account)

Search tables by prefix

Table	Url
Contact	https://store1902.table.core.windows.net/Contact

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Data storage

Containers

File shares

Queues

Tables

Microsoft Azure

Home > InnoDecor > store1902

store1902 | Access keys

Storage account

Search

Events

Storage browser

Storage Mover

Data storage

Containers

File shares

Queues

Tables

Security + networking

Networking

Front Door and CDN

Access keys

Shared access signature

Encryption

Set rotation reminder Refresh Give feedback

Access keys authenticate your applications' requests to this storage account. Keep your keys in a secure location like Azure Key Vault, and replace them often with new keys. The two keys allow you to replace one while still using the other.

Remember to update the keys with any Azure resources and apps that use this storage account.
[Learn more about managing storage account access keys](#)

Storage account name

store1902

key1 Rotate key

Last rotated: 3/13/2024 (3 days ago)

Key

..... Show

Connection string

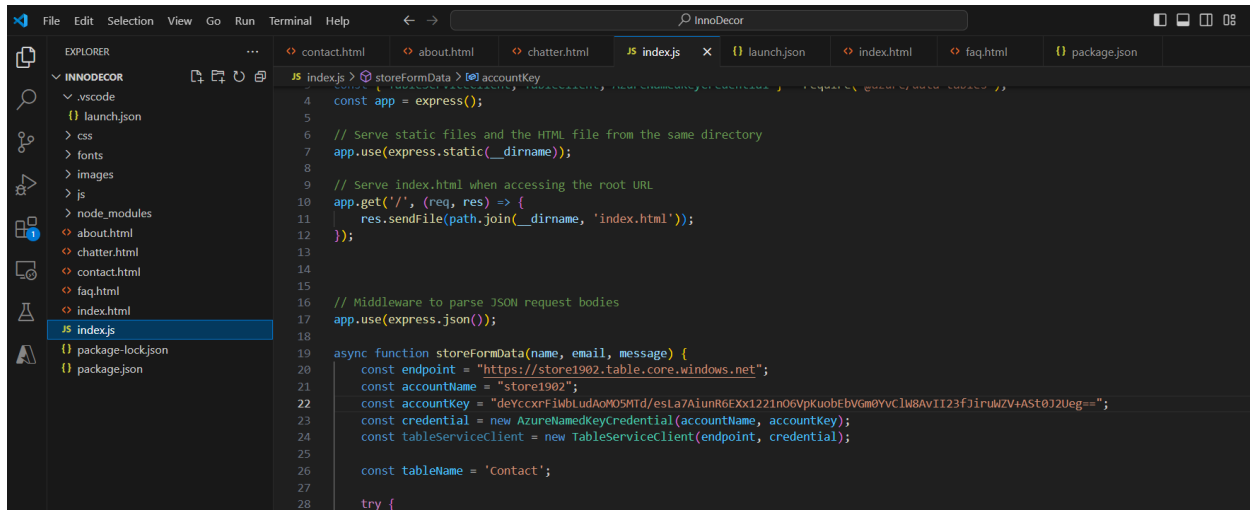
..... Show

key2 Rotate key

Last rotated: 3/13/2024 (3 days ago)

Copy Table Name, URL and Key from Access Key

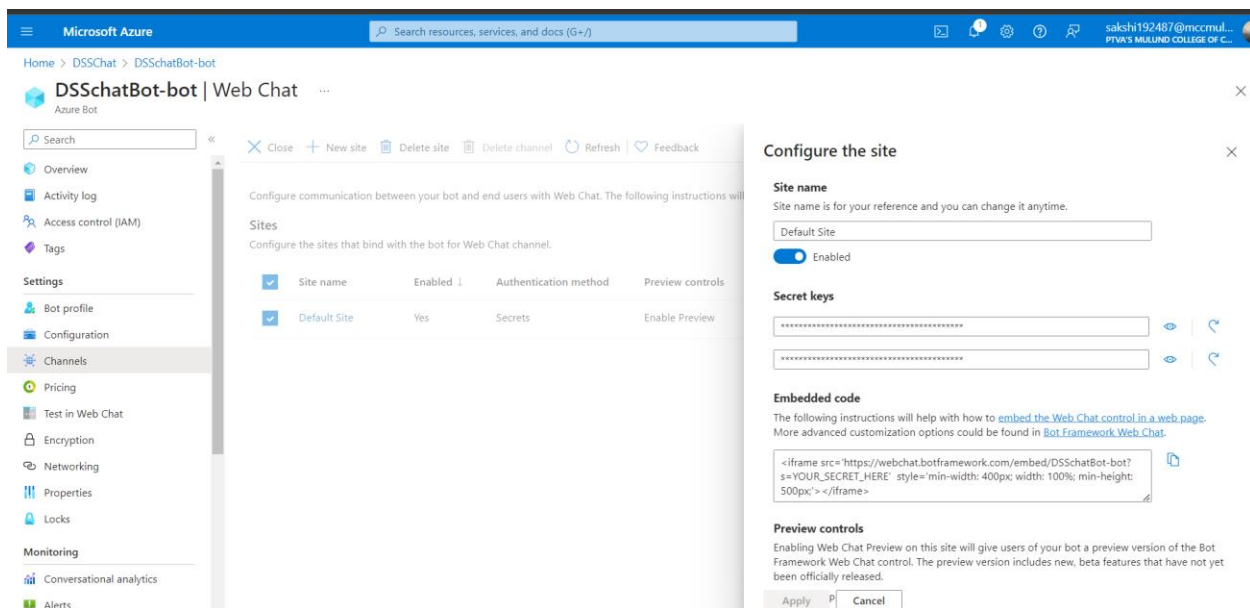
Paste it in Index.js for Connection



```
4 const app = express();
5
6 // Serve static files and the HTML file from the same directory
7 app.use(express.static(__dirname));
8
9 // Serve index.html when accessing the root URL
10 app.get('/', (req, res) => {
11   res.sendFile(path.join(__dirname, 'index.html'));
12 });
13
14 // Middleware to parse JSON request bodies
15 app.use(express.json());
16
17 async function storeFormData(name, email, message) {
18   const endpoint = "https://store1902.table.core.windows.net";
19   const accountName = "store1902";
20   const accountKey = "deYccxrF1wbludAoM0SMTd/esLa7A1unR6EXx1221n06VpKuobEbVgm0YvC1w8AvII23fJiruMZV+AST0J2Ueg==";
21   const credential = new AzureNamedKeyCredential(accountName, accountKey);
22   const tableServiceClient = new TableServiceClient(endpoint, credential);
23
24   const tableName = 'Contact';
25
26   try {
```

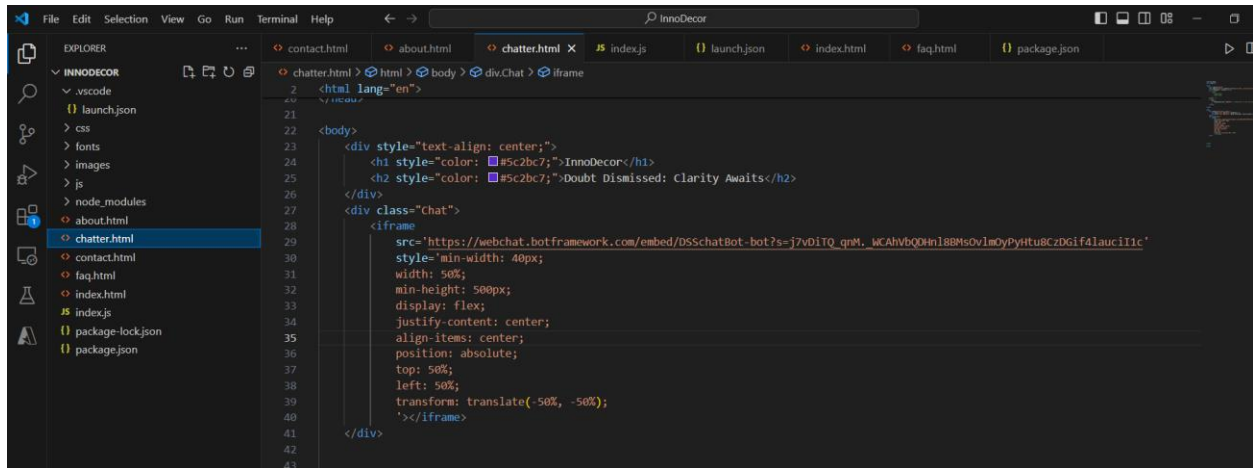
For Connection of Azure AI Language ‘QnA Maker’ and Azure Web App

Copy the embedded code and secret key



Replace ‘YOUR_SECRET_HERE’ of Embedded Code with Secret Keys.

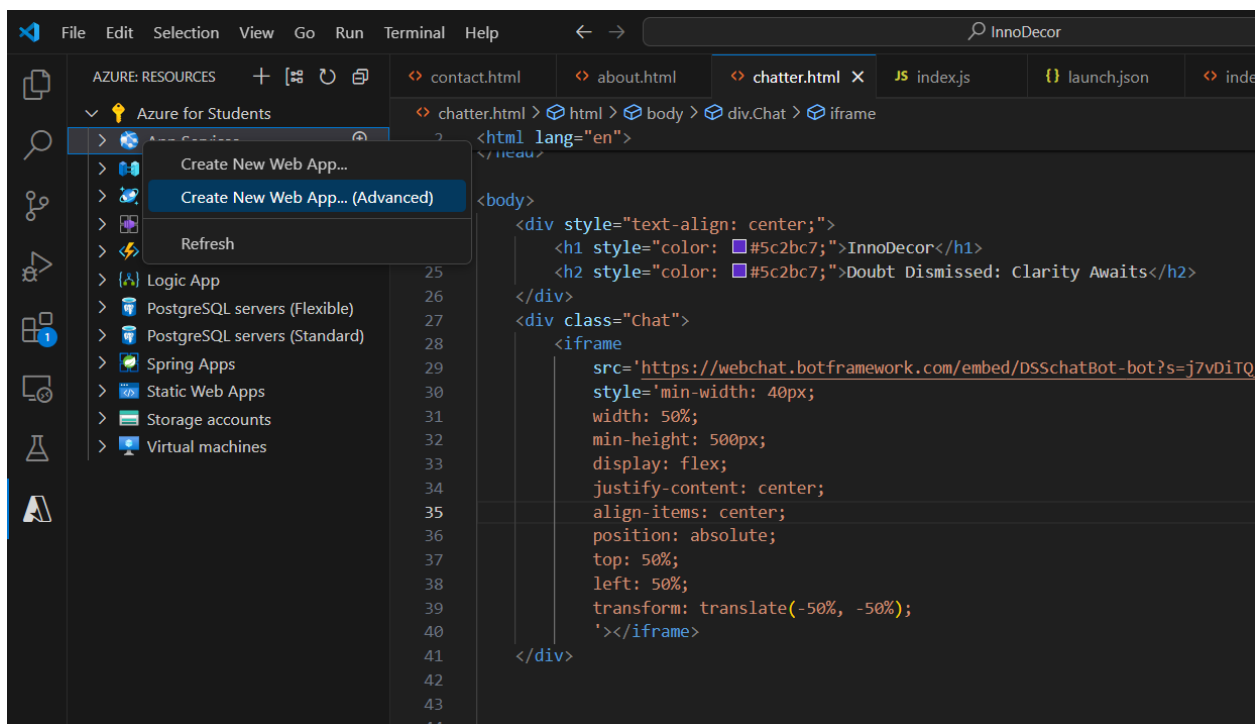
Paste updated Embedded Code in your html page where we want our chatbot work.



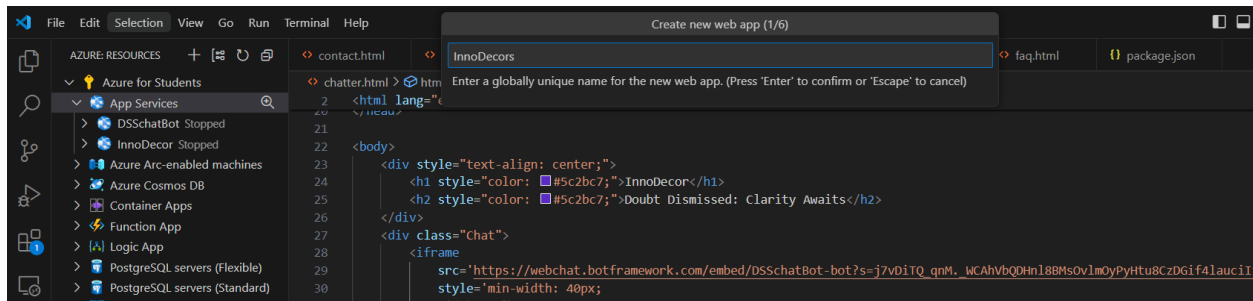
Here we are done with Coding and all

Lets create Web App using Visual Studio Code

Azure for Students -> App Service(Right Click) ->Create New Web App ..
(Advanced)



Enter Web App Name click on Enter and fill the detail and click on Enter

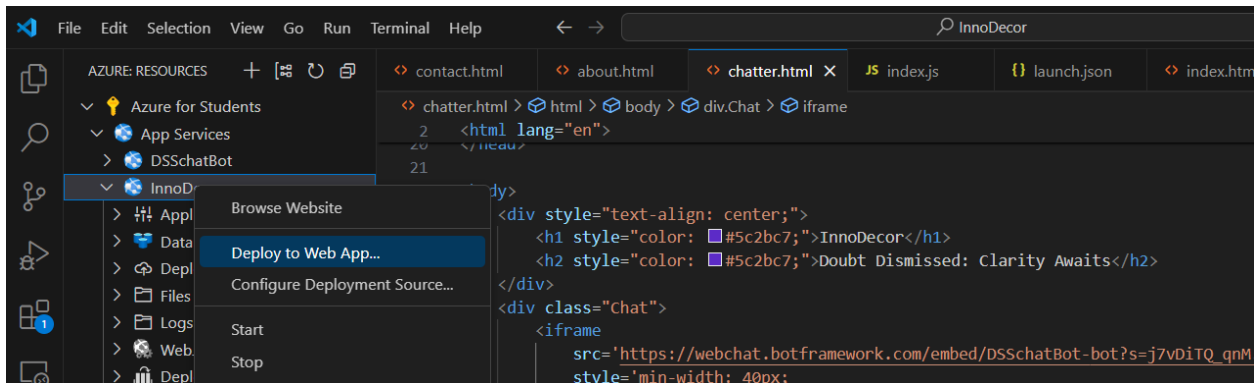


Once Web App is created we can deploy our website by 2 ways

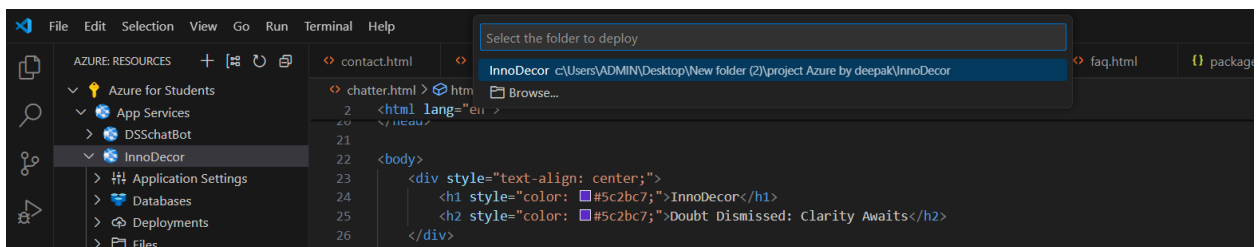
- 1) VS Code
- 2) File Zilla

VS Code

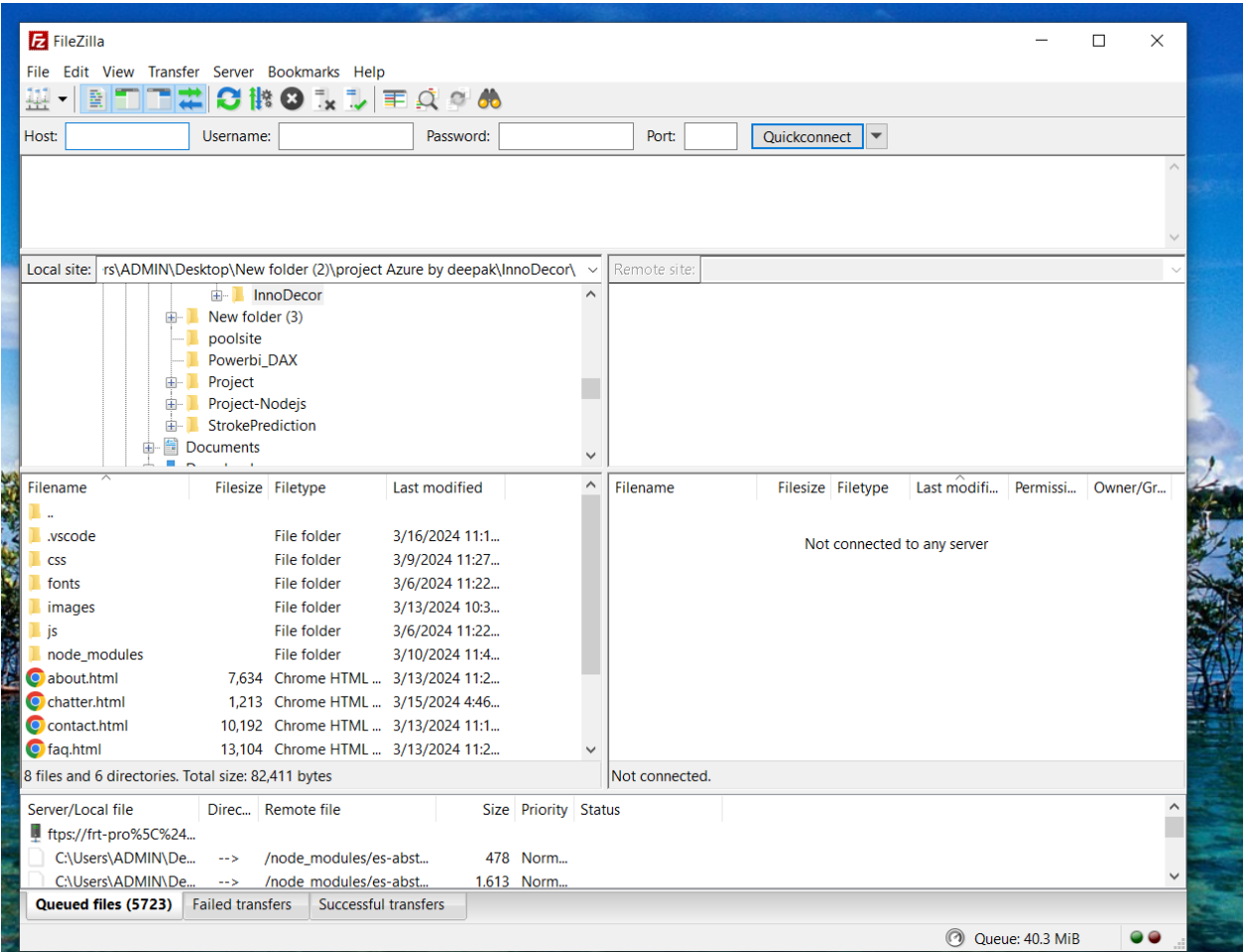
Right Click on Web App Name -> Deploy to Web App



Choose the folder which contains files and folder related to website and Click on Enter



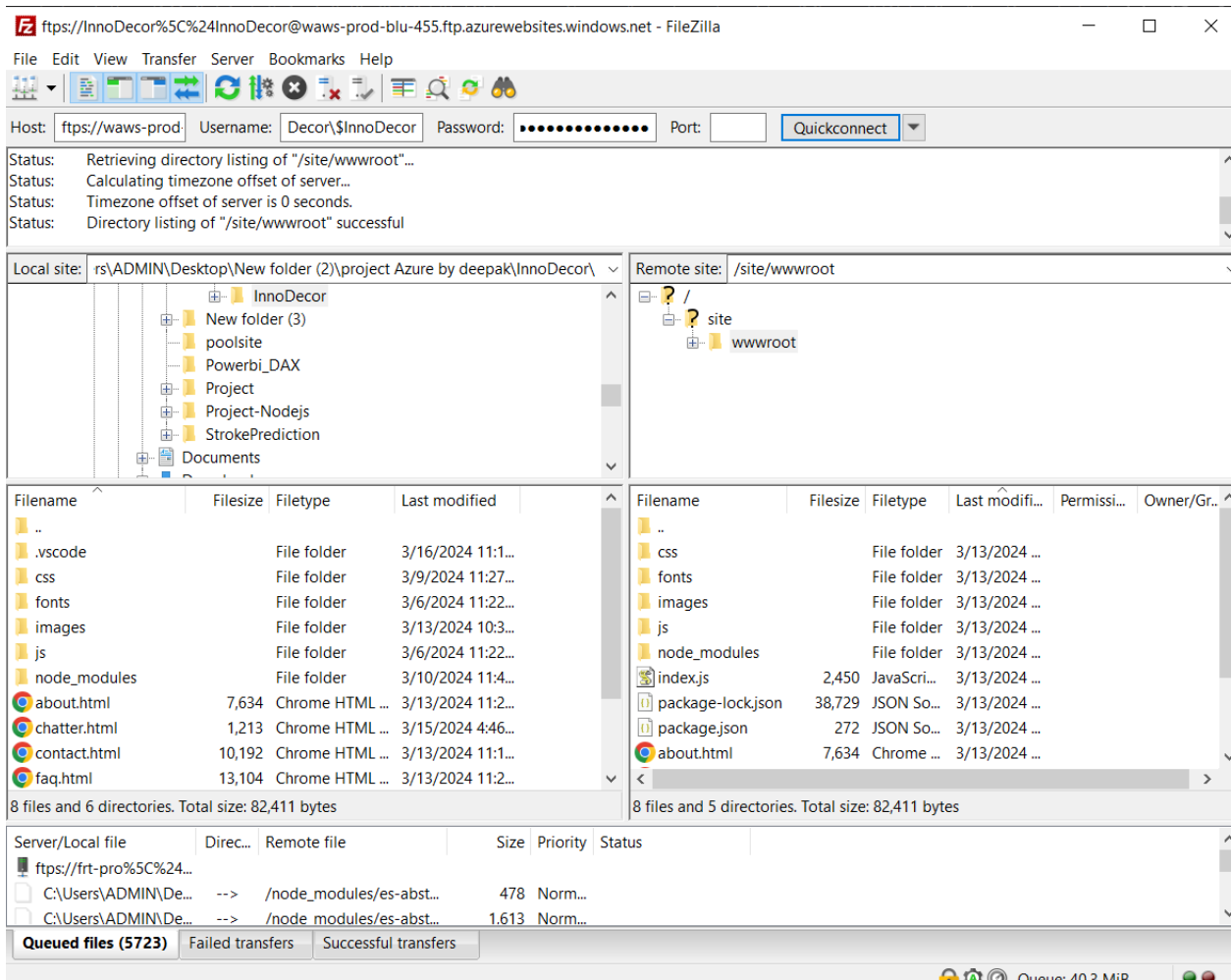
FileZilla



Web App -> Deployment Center -> copy FTPS endpoints, Username, Password
Paste in FileZilla and Click on Quickconnect

The screenshot shows the Microsoft Azure portal interface. At the top, the header includes the Microsoft Azure logo, a search bar, and user profile information. The main navigation pane on the left lists various services and settings, with 'Deployment Center' highlighted under the 'Deployment' section. The main content area displays the 'InnoDecor | Deployment Center' page for a 'Web App'. The 'FTPS credentials' tab is selected, showing the following information:

- FTPS endpoint:** `https://waws-prod-blu-455.ftp.azurewebsites.net/site/wwwroot`
- Application scope:** A description stating that application scope credentials are auto-generated and provide access only to this specific app or deployment slot. They cannot be configured manually but can be reset anytime. A 'Learn more' link is provided.
- FTPS Username:** `InnoDecor$InnoDecor`
- Password:** A masked password field with a 'Reset' button.
- User scope:** A description stating that user scope credentials are defined by the user and can be used with all the apps to which they have access. They can be used with FTPS, Local Git, and WebDeploy. Authenticating to an FTPS endpoint using user-level credentials requires a username in the format: 'InnoDecor\your username'. Authenticating with Git requires only the username 'your username'. A 'Learn more' link is provided.



Drag files and folder from left of 'Local Site' to Right of 'Remote Site'

Now it is completed we can host our website.

I have also created Health Alert in Service Health

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo and a search bar. The main content area is titled 'Service Health | Health alerts'. On the left, there is a sidebar with sections: ACTIVE EVENTS, HISTORY, RESOURCE HEALTH, and ALERTS. The ALERTS section is expanded, showing a list of alerts. The main area displays a 'ServiceIssue' alert with details: Location (Global), Subscription (Azure for Students), and a condition (4 - Verbose). The alert is titled 'ServiceIssue' and is an 'Activity log alert rule'.

In Notification I had given my email address and phone no for alert notification

The screenshot shows an email notification from Microsoft Azure. The email is titled 'You're now in the Servicelssue action group' and is addressed to 'me'. The email content includes the Microsoft Azure logo and the text: 'You've been added to an Azure Monitor action group'. Below this, it states: 'You are now in the Servicelssue action group and will receive notifications sent to the group.' A link 'View details on Azure Monitor action groups >' is provided. The email also includes account information: 'Subscription ID: 141E9E54-CBDF-4EA6-9CF8-D2762D7F5743', 'Resource group name: InnoDecor', and 'Action group name: Service Health ActionGroup'.

I have also added Customized Backup in Azure App Service

Microsoft Azure

Search resources, services, and docs (G+)

Home > InnoDecor

InnoDecor

Backups

Web App

Search

Events (preview)

Log stream

Deployment

Deployment slots

Deployment Center

Settings

Configuration

Authentication

Application Insights

Identity

Backups

Custom domains

Certificates

Networking

Scale up (App Service plan)

Scale out (App Service plan)

Service Connector

Backup Now

Configure custom backups

Reset custom backups

Restore

Refresh

Oldest backup

Automatic backup

Custom backup

3/13/2024

Every 1 hour

Every 1 day

Type: All

Status: All

Time range: None

Add filter

Reset

Showing 10 of 76 results

Backup time	Status	Type
3/16/2024, 12:00:37 PM	In progress	Custom
3/16/2024, 11:12:09 AM	Succeeded	Automatic
3/16/2024, 10:12:08 AM	Succeeded	Automatic
3/16/2024, 9:12:08 AM	Succeeded	Automatic
3/16/2024, 8:12:08 AM	Succeeded	Automatic
3/16/2024, 7:12:08 AM	Succeeded	Automatic

< Previous

Page 1 of 8

Next >

Configure custom backups

InnoDecor

You can set a custom backup schedule here. Note that individual databases in the backup can be 4 GB max but the total max size of the backup is 10 GB. If your database is large and growing, use Azure Backup for database backup instead. [Learn more](#)

Basics

Advanced

Select a storage

Choose storage account and container to store your backup.

The app you're backing up is in East US.

Subscription

Azure for Students

Storage account

store1902

Container

azure-webjobs-hosts

Backup/restore over virtual network integration

Backup/restore over virtual network requires your app to be connected to a virtual network. Azure storage account and your app should be part of the same virtual network topology.

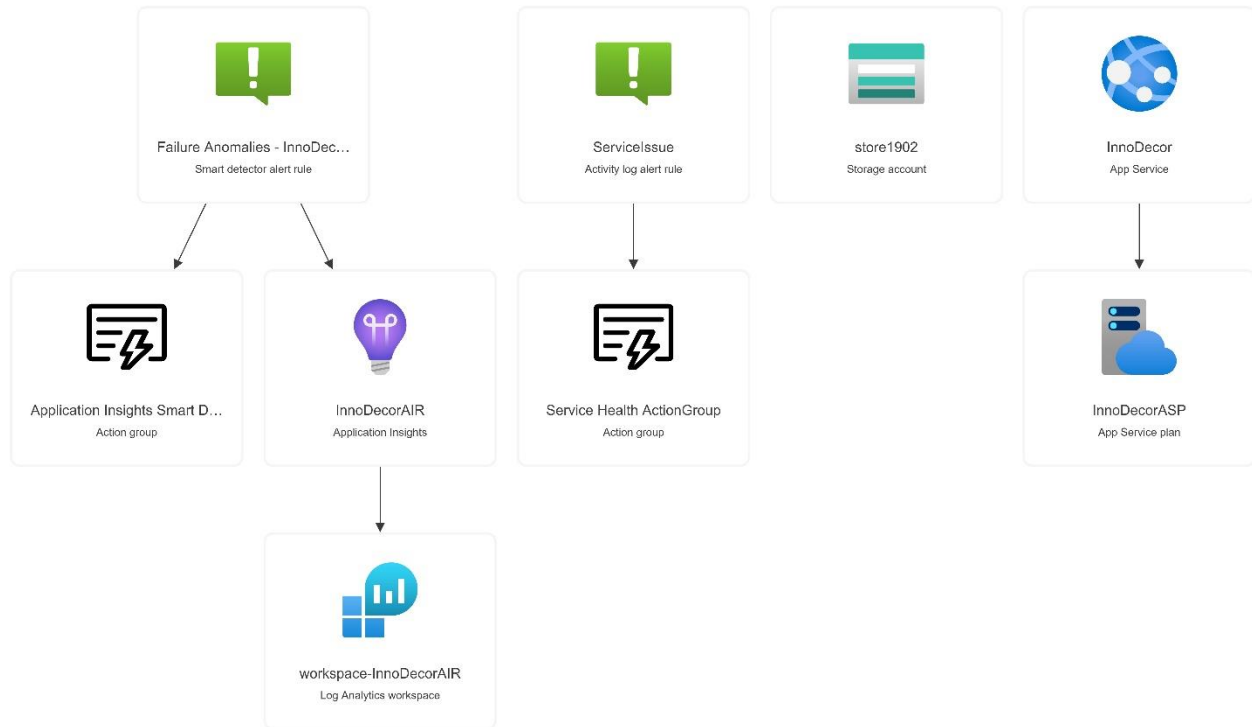
Configure

< Previous

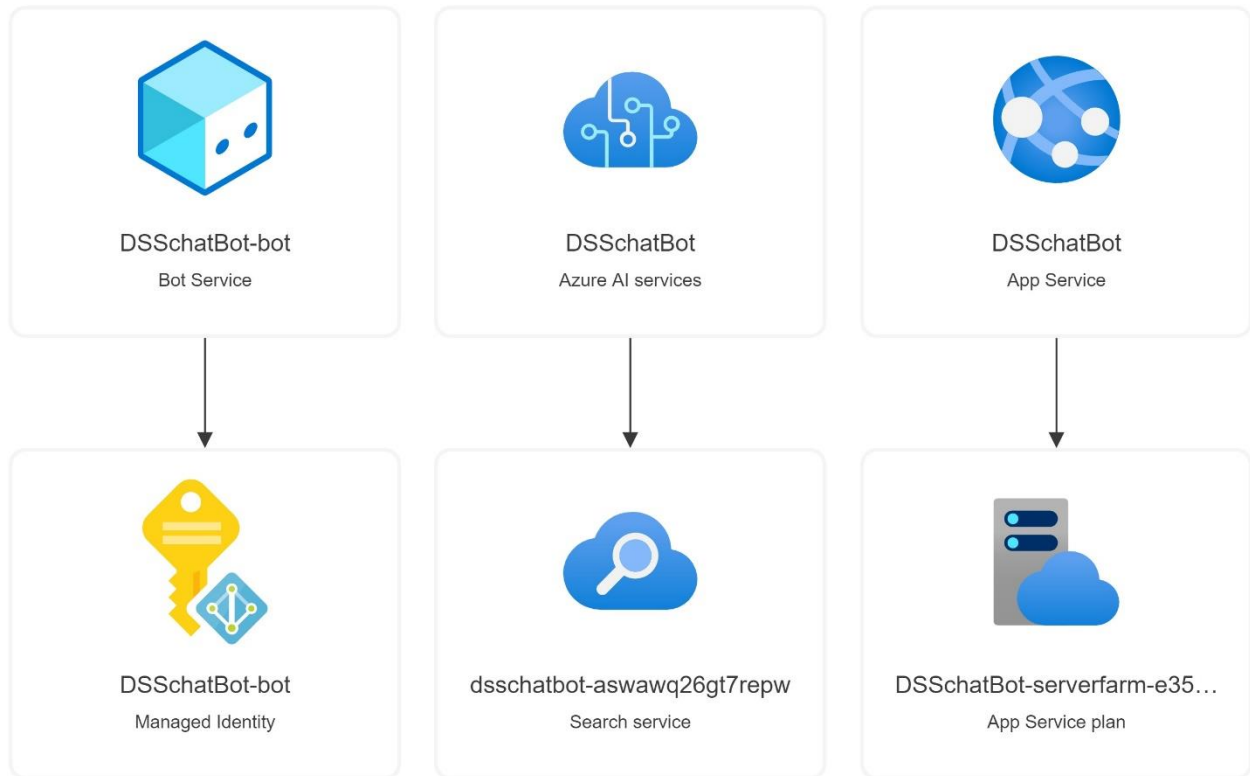
Next: Advanced >

Resource Visualizer

InnoDecor Resource Group

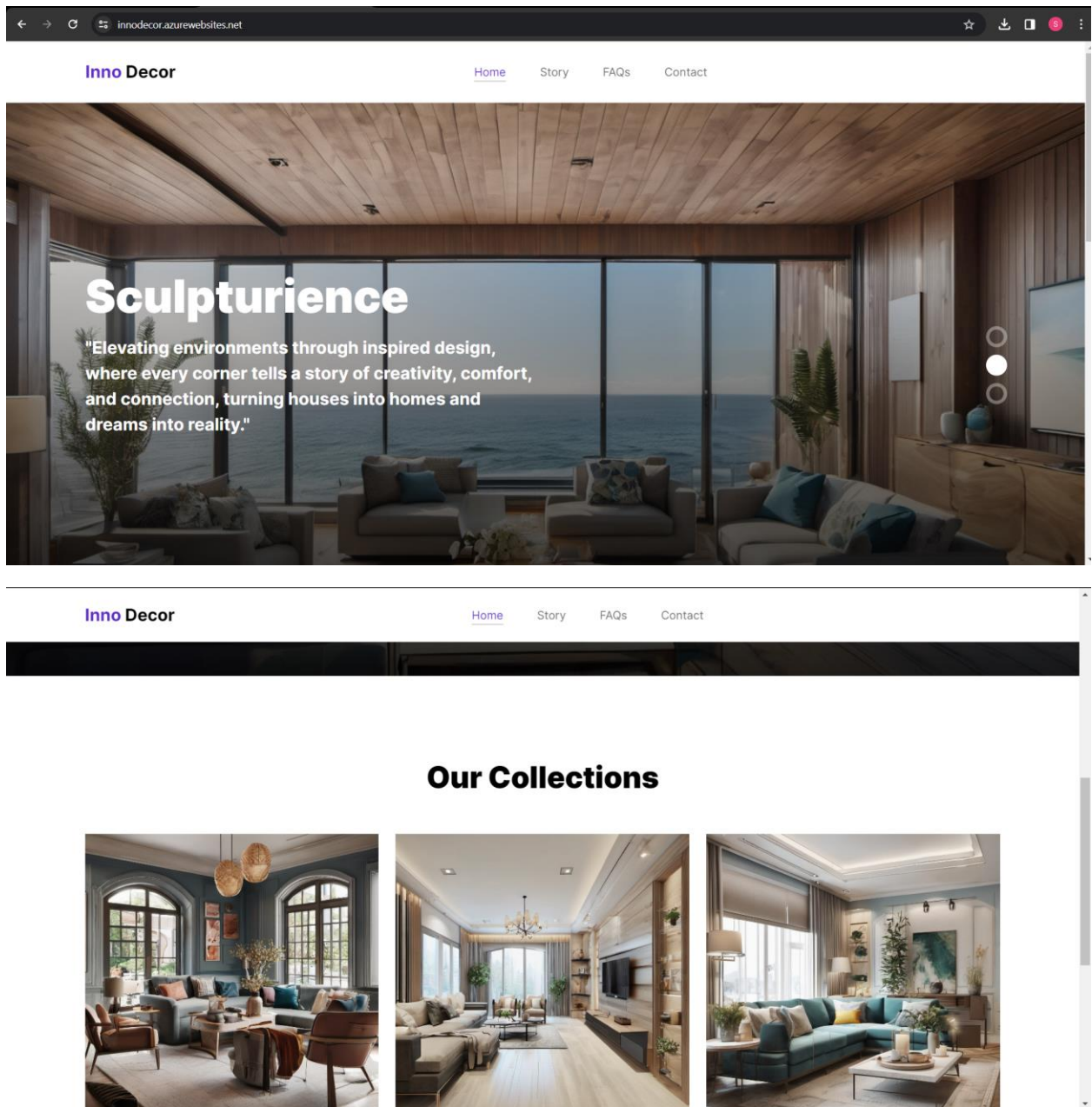


DSSChat Resource Group



5. Website Overview

This is Our Home Page





Inno Decor

Copyright © 2024 **InnoDecor**

Designed by InnoDecor

Sitemap

[Home](#)

[FAQs](#)

[Story](#)

[Contact](#)

Our Story Page

Inno Decor

[Home](#)

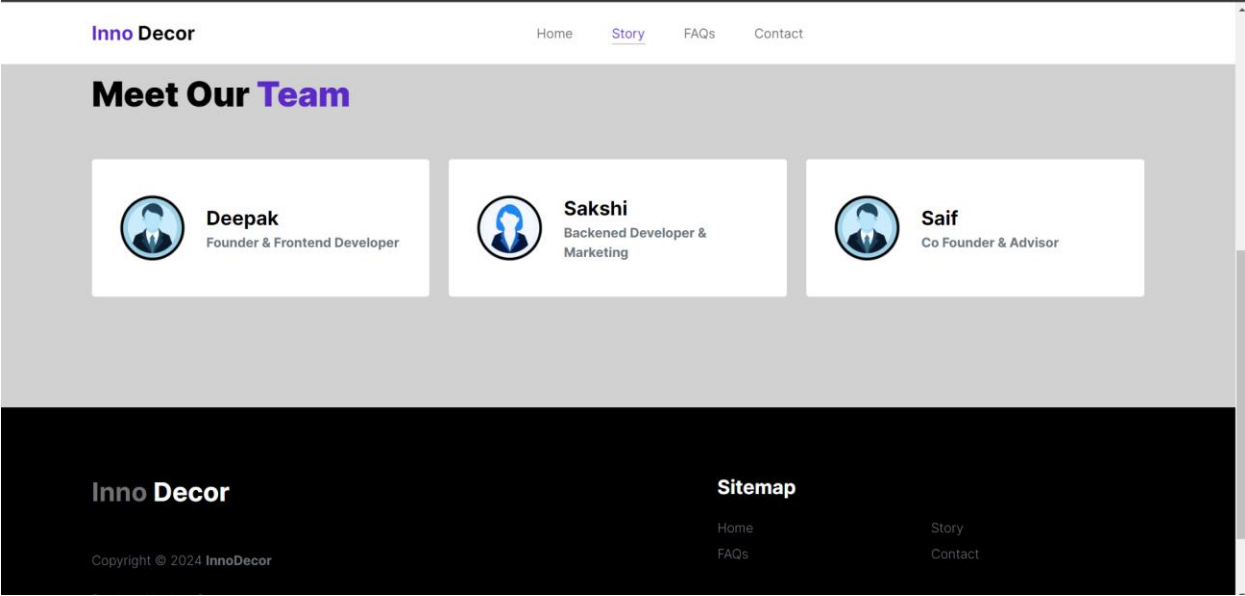
[Story](#)

[FAQs](#)

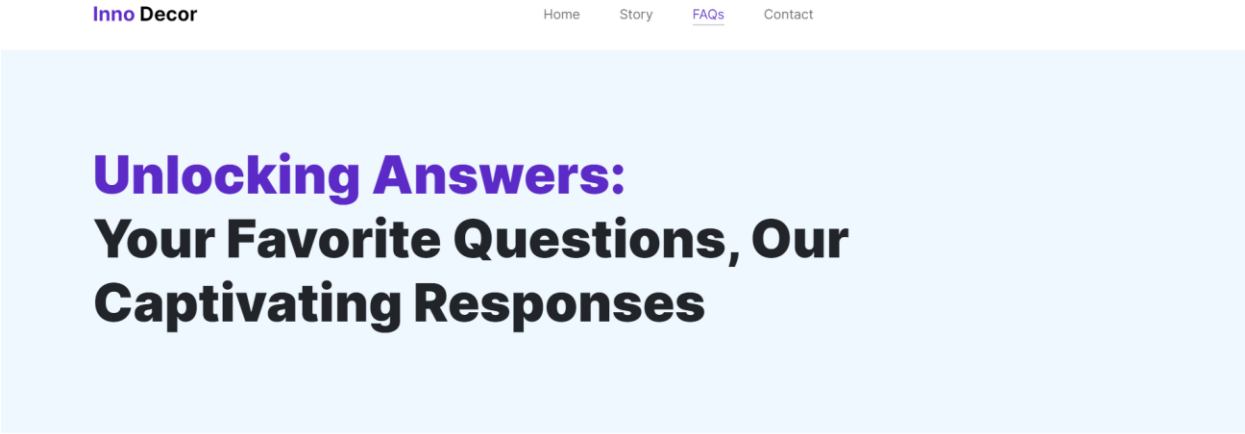
[Contact](#)

**Interiors
Hub**





Frequently Asked Question Page



Foundations

Foundations

What sets your interior design company apart from others? ^

InnoDecor Our interior design firm stands out due to our unwavering commitment to personalized service and innovative design solutions.

We take the time to understand our clients' unique vision and preferences, ensuring that every project reflects their individual style and personality. From concept to completion, we strive for excellence, delivering spaces that exceed expectations and leave a lasting impression.

How do you approach the design process? v

What can clients expect when working with your interior design company? v

About Our Services

What can clients expect when working with your interior design company? v

About Our Services

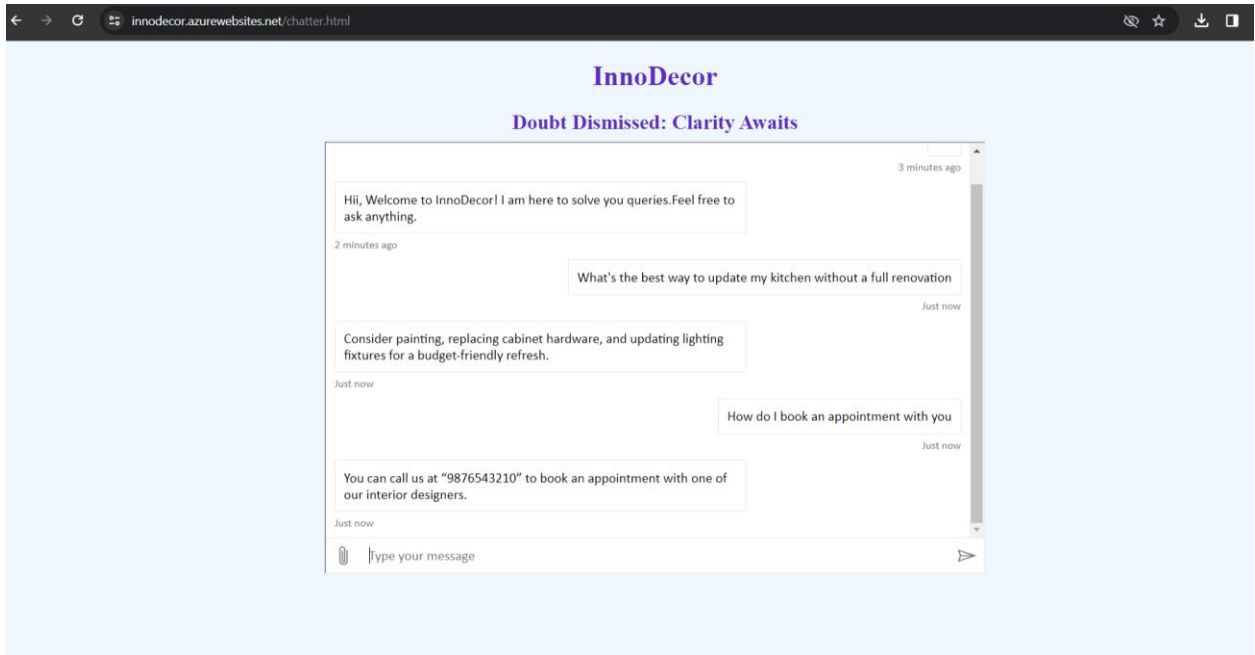
What types of interior design services do you offer? ^

From concept to completion, we provide a comprehensive range of interior design services tailored to meet your needs, including space planning, color consultation, furniture selection, and accessorizing.

Do you offer any unique or specialized products for interior design? v

CHAT WITH US

Click on **Chat with Us** to connect with **Azure QnA Maker**



Contact Us Page

Inno Decor

HomeStoryFAQsContact

Let's begin

Full name
Sakshi Gupta

Email address
sakshi@gmail.com

Tell us about the project
Can you help me to decorate my Villa

SEND

Company Email
Inno@Decor.com

Contact Number
9876543210

Our Office
Mulund, Mumbai

Please fill out the details and submit the form. Our staff will contact you shortly. Thank you!

If I fill the details and Click on Send Button data will be stored in Azure Storage Table

Home > store1902

store1902 | Storage browser

Storage account

Search

- Overview
- Activity log
- Tags
- Diagnose and solve problems
- Access Control (IAM)
- Data migration
- Events
- Storage browser
- Storage Mover
- Data storage
- Containers
- File shares
- Queues
- Tables
- Security + networking
- Networking

Tables > Contact

Authentication method: Access key (Switch to Microsoft Entra user account)

Add filter

Showing all 1 items

Advanced filters

PartitionKey	RowKey	Timestamp	name	email	message
Contact	1710572335595	2024-03-16T06:58:55.81...	Sakshi Gupta	sakshi@gmail.com	Can you help me to dec...

6.Benefits

- **Interactive Assistance:** Innodecor offers a unique solution through its "Chat with Us" feature, powered by Azure QnA. This allows users to engage in real-time conversations to receive personalized suggestions for home decoration, answers to queries about services and products, enhancing their browsing experience.
- **Inspiration through Collections:** Innodecor's curated collections showcase completed projects, providing users with a wealth of inspiration and ideas for their own home decor endeavors. These collections serve as a valuable resource for users seeking guidance and creativity.
- **Efficient Communication Channels:** In addition to the chat feature, Innodecor provides multiple avenues for communication, including a contact form, email, and phone number. This ensures that users can easily reach out with their queries or feedback, with the assurance of prompt and personalized responses.

7.Conclusion

Innodecor sets itself apart from traditional interior decor websites by prioritizing user engagement, assistance, and inspiration. By leveraging innovative technologies like Azure QnA, it offers a seamless and interactive experience, empowering users to make informed decisions about their home decor projects. With its commitment to efficient communication and personalized support, Innodecor aims to redefine the online interior decor experience, making it more accessible and enjoyable for all users.