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| **Module 1: Creating App Service Web Apps**Lessons * Introduction to Web Apps
* Using shell commands to create App Service Web Apps
* Creating background tasks using WebJobs in Azure App Service
* Using Swagger to document an API

After completing this module, students will be able to:* Create an Azure app service web app by using Azure CLI, Powershell, and other tools
* Create documentation for the API by using open source and other tools

**Module 2: Creating mobile apps**Lessons * Getting started with mobile apps in App Service
* Enabling push notifications for your app
* Enabling offline sync for your app

After completing this module, students will be able to:* Add push notifications and enable offline sync for mobile apps

**Module 3: Creating an app service Logic App**Lessons * Overview of Azure Logic Apps
* Creating a Logic App
* Creating custom connectors for Logic Apps
* Creating a custom template for a Logic App

**Module 4: Creating an app or service that runs on Service Fabric**Lessons * Understanding Azure Service Fabric
* Creating a Reliable Service
* Creating a Reliable Actors app
* Working with Reliable Collections

After completing this module, students will be able to:* Develop stateful and stateless apps on Service Fabric

**Module 5: Creating Azure Functions**Lessons * Azure Functions overview
* Develop Azure Functions using Visual Studio
* Triggers and bindings

After completing this module, students will be able to:* Create Azure functions including bindings and triggers

**Module 6: Scheduling bulk operations**Lessons * Azure Batch overview
* Running Batch jobs
* Using the .NET Batch Management client library

After completing this module, students will be able to:* Define and run scheduled bulk operations

**Module 7: Create solutions that use Azure Kubernetes Service****Lessons** * Creating an Azure Kubernetes Service cluster
* Azure Container Registry
* Azure Container Instances

After completing this module, students will be able to:* Create an Azure Container Service (ACS/AKS) cluster using Azure CLI and Azure Portal

**Module 8: Developing apps for Azure Media Services**Lessons * Introduction to Azure Media Services
* Azure Media Services v3 concepts
* Upload, encode, and stream with .NET
* Analyze your video with .NET

After completing this module, students will be able to:* Develop media solutions that use AI services
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