Develop natural language processing solutions with Azure AI Services

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Module 1: Analyze Text with Azure AI Language

- Detect language from text.
- Analyze text sentiment.
- Extract key phrases, entities, and linked entities.

Module 2: Create Question Answering Solutions with Azure AI Language

- Understand question answering and how it differs from language understanding.
- Create, test, publish, and consume a knowledge base.
- Implement multi-turn conversation and active learning.
- Create a question answering bot to interact using natural language.

Module 3: Build a Conversational Language Understanding Model

- Provision Azure resources for Azure AI Language.
- Define intents, utterances, and entities.
- Use patterns to differentiate similar utterances.
- Use pre-built entity components.
- Train, test, publish, and review an Azure AI Language model.

Module 4: Create a Custom Text Classification Solution

- Understand types of classification projects.
- Build a custom text classification project.
- Tag data, train, and deploy a model.
- Submit classification tasks from your own app.

Module 5: Custom Named Entity Recognition

- Understand tagging entities in extraction projects.
- Learn how to build entity recognition projects.

Module 6: Translate Text with Azure AI Translator Service

- Provision a Translator resource.
- Understand language detection, translation, and transliteration.
- Specify translation options.
- Define custom translations.

Module 7: Create Speech-Enabled Apps with Azure AI Services

- Provision an Azure resource for Azure AI Speech.

- Use the Azure AI Speech to Text API for speech recognition.
- Use the Text to Speech API for speech synthesis.
- Configure audio format and voices.
- Implement Speech Synthesis Markup Language (SSML).

Module 8: Translate Speech with the Azure AI Speech Service

- Provision Azure resources for speech translation.
- Generate text translation from speech.
- Synthesize spoken translations.