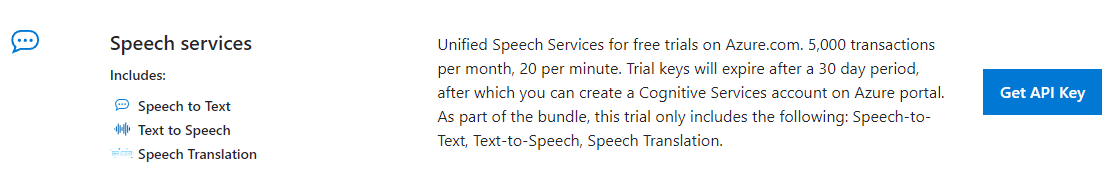
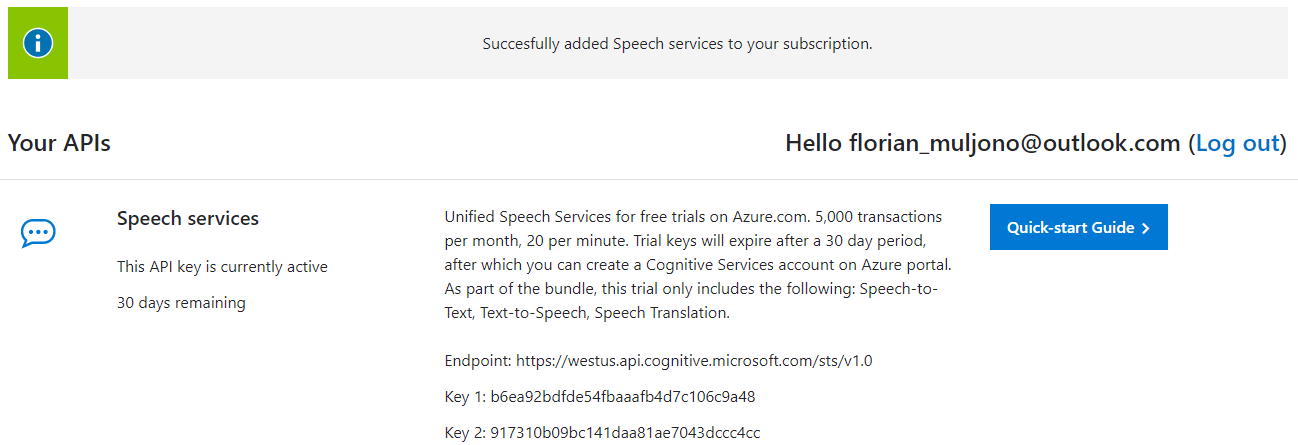
Lesson 12 - File Upload & AI Cloud Service

1. If you have not completed project setup, please perform project setup following instructions in **C286 L12 Project Setup Guide.docx** first.
2. Complete **Task 1** on **Slide 7** of the Student Notes.
3. Open **Task List** window from the menu **VIEW**, **Task List**. Use the **Filter** function in the Project heading to display only the Task for **Lesson12**.
4. **Activity 1:**
   * + 1. Perform **Tasks 1-1 to 1-3**.
       2. **Tasks 1-1 to 1-2** are in Views/Exercise/Exercise1.cshtml
       3. Verify and compare your code with the lecturers’.

1. **Activity 2:**
   * + 1. Perform **Tasks 2-1 to 2-2**.
       2. **Task 2-2** is in Views/Exercise/Exercise2.cshtml
       3. Verify and compare your code with the lecturers’.
2. Read **Section 4** in student notes.
3. **Activity 3:**
   1. Run the simple voice recorder in Exercise 3, test and make sure that you can record and download a sound file in .wav format.
   2. Run the api/Azure/SpeechtoText/Demo and see speech to text in action. Note, if you face the problem that the subscription key is expired, you can subscribe for your own key at <https://azure.microsoft.com/en-us/try/cognitive-services/?api=speech-services> and update the api key in **AzureApiController.cs**





* 1. With reference to [Speech-to-text API reference (REST) - Speech service - Azure Cognitive Services | Microsoft Docs](https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/rest-speech-to-text), perform **Task 3** and write down your answers below:

|  |  |
| --- | --- |
| Code Fragment | What the code is doing |
| Part 1 | Getting the access token if it is needed |
| Part 2 | Sending the api request on to the web |
| Part 3 | Sends the audio, open request, write and read 1024 raw bytes from the input audio |
| Part 4 | Getting the reply from the web |
| Part 5 | Clones the contents to a physical file |

* 1. Run the sound transcriber (Exercise/Exercise4) and upload the wav file you tested in point a. Wait and see your sound file get transcribed. Note your sound file should not exceed 15 seconds, for practical purposes.

# Solving the Problem

1. You can complete the problem by following the solution tasks in the project. You need to open RPNotes/Index.cshtml to see all solution tasks.
2. Recommended order of implementation:
   1. Add attachments
   2. View and download attachments
   3. Add linkes to simple voice recorder and sound transcriber.

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application, Teams

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Graphical user interface, application

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*— End of Worksheet —*