CHAPTER 7

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Building a Voice-Controlled Interface for Twitter and Imgur

In this chapter, you learn how to post status updates (tweets) on Twitter by using your voice. You also learn how you can upload images on Imgur by asking Melissa to do so, and save the URLs of the uploaded images in a database so they can be retrieved for future reference.

Twitter is the most famous microblogging platform and has a huge number of users. People love to post information about how they feel, interact with others, and express their views on different subjects. Wouldn't it be cool if you could tell Melissa what you want your new tweet to be, and she could post it for you? That would be a really helpful feature!

Building the Twitter Module

Let's start by installing a third-party module named `tweepy` from pip. To install `tweepy`, enter the following command in your terminal:

```
$ pip install tweepy
```

Now you need to get the Twitter consumer key, consumer key secret, access token, and access token secret to authenticate the Twitter user via OAuth 2. To register an application on Twitter, go to `apps.twitter.com` and click Create New App. Enter the appropriate details for your application, and create the application. This generates the keys and access tokens required to authenticate your application.