Project Installation Guide

Setting up LUIS instance

1. The Exported LUIS Model is attached to this document.
2. Simply login to your account at luis.ai, import the model in a new app.
3. In an Azure portal, create a new service by clicking on the add sign and searching for "Cognitive Services API"
4. Make an instance of the named service.
5. After creating the service, on the **resource management** section, click on the **keys**.
6. Generate keys for your instance.
7. Go back on luis.ai. in the **My keys** section, add the key generated by Azure. Your instance will be running on Azure now.
8. Make sure you click on **publish your app** once you have imported the instance, and then you can use the given endpoint in the chatbot.

Setting up the Bot

1. Install node.js and NPM on the target server and note the server's public URL.
2. Install all required dependencies by running `npm install` on the directory root.
3. Register a new Bot with the Microsoft Bot Framework at http://dev.botframework.com/.
4. Specify the messaging endpoint as the server's URL, and register for an App ID and password pair from Microsoft via the same link.
5. Open the .env file in the project's root directory and specify the app ID and password registered above. Specify the address of the LUIS recognizer set up in the previous section. Also specify the URLs to the endpoints for the API (deployment information is in the next section).
6. Start the bot with the `node app` command.

Setting up the API

1. Install NodeJS and NPM
2. Navigate to the api root folder
3. Run 'npm install' to install the required dependencies
4. Install mongodb and create a collection called spotmarket without any authentication requirements
5. If https is being used, add certificate as cert.pem and key as key.pem under certificates in the root api folder, and set debug to false in server.js
6. You can add some dummy data to the api by using mongoimport (which may need to be installed) and run 'mongoimport --jsonArray -d spotmarket --collection COLLECTION COLLECTION.txt' where COLLECTION is replaced by the name of one of the data files without the file type, the most important ones to do this for are products and retailers.

7. Run the server by running 'node server.js', note that on debian and debian based distributions such as ubuntu this command may be 'nodejs server.js' to avoid conflicting with another package.