LUIS BOT:

In this Chabot we are analyzing intent corresponding to utterance in chat application.

Pre-requisite:

* It is required to collect Microsoft LUIS application ID and Microsoft LUIS key.
* Microsoft Bot Emulator is required for testing application.
* Microsoft Visual Studio 2019.

How to collect Keys from Microsoft LUIS:

* Login to your <https://www.luis.ai> with your Microsoft Account.
* Click on My apps.
* Click on your Application which you have created.
* Click on MANAGE option given near to Train button.
* Copy ‘Application ID’ from Application Information area for future reference.
* Click on ‘Keys and Endpoints’ in the left side Menu.
* After click you will find Microsoft LUIS endpoint keys at the bottom of page in the key1 and key2 column of resource description.
* Copy any one of key and note down for future reference.

How to Configure your Bot Application with Keys :

1. Open LuisBot Application in Microsoft Visual Studio 2019.
2. Go to Solution Explorer.
3. Open Web.config file.
4. Search following code in web.config file :

<add key="LuisApplicationID" value=""/>

<add key="LuisEndPointKey" value=""/>

1. In this code section assign keys to value specified for particular key.
2. Save application.
3. Run your bot in Microsoft Bot Emulator.

Design Description of LUIS Bot Application:

* Each message from Communication channel is going to the RootDialog.cs.
* Every message coming to RootDialog.cs is redirected to RootLuisDialog.cs.
* Inside the RootLuisDialog.cs after intent is encountered from Microsoft LUIS then corresponding reply is handled by logic of code specified in image below :

