# How to Create AI Bot with LUIS

## Introduction:

Every rated institutes or organization expect to serve instant customer greetings and basic interaction. As a virtual help assistant, a Chatbot might help on the spot of instant service. This article demonstrate how to create a simple Bot using Microsoft Bot Framework and LUIS which is stands for machine learning-based service to build natural language into apps, bots, and IoT devices.

## Creating Application with LUIS from scratch:

Currently Microsoft release a several packages that helps to build bots with various features. If you need more details please visit their [Bot Framework SDK](https://github.com/Microsoft/botbuilder-dotnet/) release notes and documentation on GitHub.

### In this article, you learn how to:

* Create a basic Chatbot
* Integrate Bot with LUIS
* Run and interact with it

### Required Tools and Knowledge:

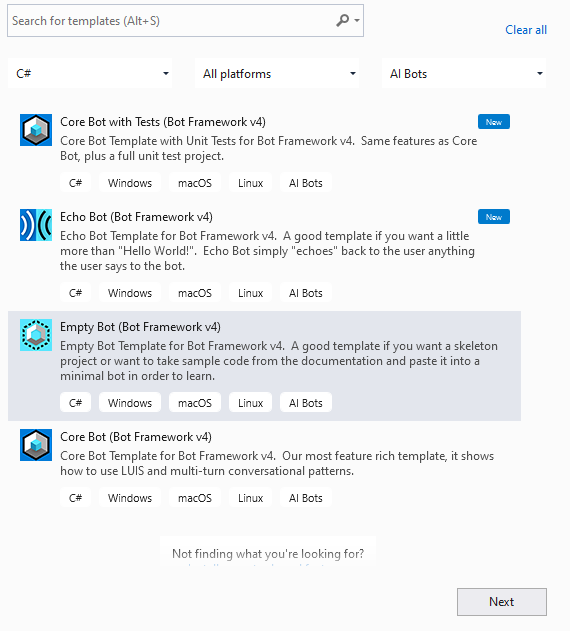
* Visual Studio 2017 or later
* Bot Framework Emulator
* LUISGen in .NET Cognitive Model Generator for LUIS

### Step1:

First go to Visual Studio marketplace and download: [Bot Framework v4 SDK Templates for Visual Studio](https://marketplace.visualstudio.com/items?itemName=BotBuilder.botbuilderv4) and install the templates on your visual Studio.

### Step2:

Open your Visual Studio and choose create a new project, select C# as your language, all platforms and AI Bot as your project type. [Or search for Bot and then] select Empty Bot and hit next.



Give your project name and complete the dialog box.

It initiate a project of ASP .Net Core application with minimal codes and dependency with Bot Builder Integration.

### Step3:

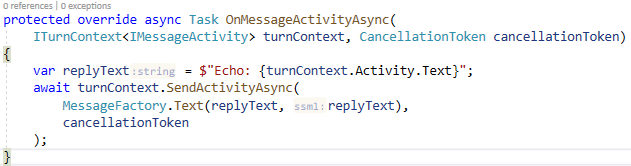
Build the project and run it for verifying this all works fine. Generally all bot application runs on port 3978 on the local machine. So, go to your Bot Framework Emulator and open bot from: <http://localhost:3978/api/messages>

If everything is ready, then bot will response with Hello World!

Reply with something, now bot have no longer to response. But you still get post 200 status on activity logger. That means the request was accepted.

### Step4:

To get the response, back to Visual Studio and open your C sharp bot file. On empty project, generally it stands on project folder and named with your [ProjectName].cs, open it and find your class named EmptyBot who inherits bot activity Handler, ActivityHandler. Here you find the overridden method of OnMembersAddedAsync who responsible for your Welcome message on first request. On this class override another method from ActivityHandler named OnMessageActivityAsync with samples goes here:



This message activity turns your Emptybot into Echobot. Rebuild it and run. Hit something from emulator and Enjoy.