

Source: C# Corner ([www.c-sharpcorner.com](http://www.c-sharpcorner.com))

PRINT

---

## Article

---



# Build Travel Agent Application Using LUIS API In Microsoft Cognitive Services - Part One

By [Abdul Rasheed Feroz Khan](#) on Sep 24 2016

## Introduction

This article will help you build a travel agent app in Language Understanding Intelligent Service (LUIS) to book flight tickets and get the weather report of a location. I have made this article into two splits in order to make the readers understand about creating the intents and entities clearly and then to jump on bing entities and seeding the system with labels, etc.

## Pre – requisites

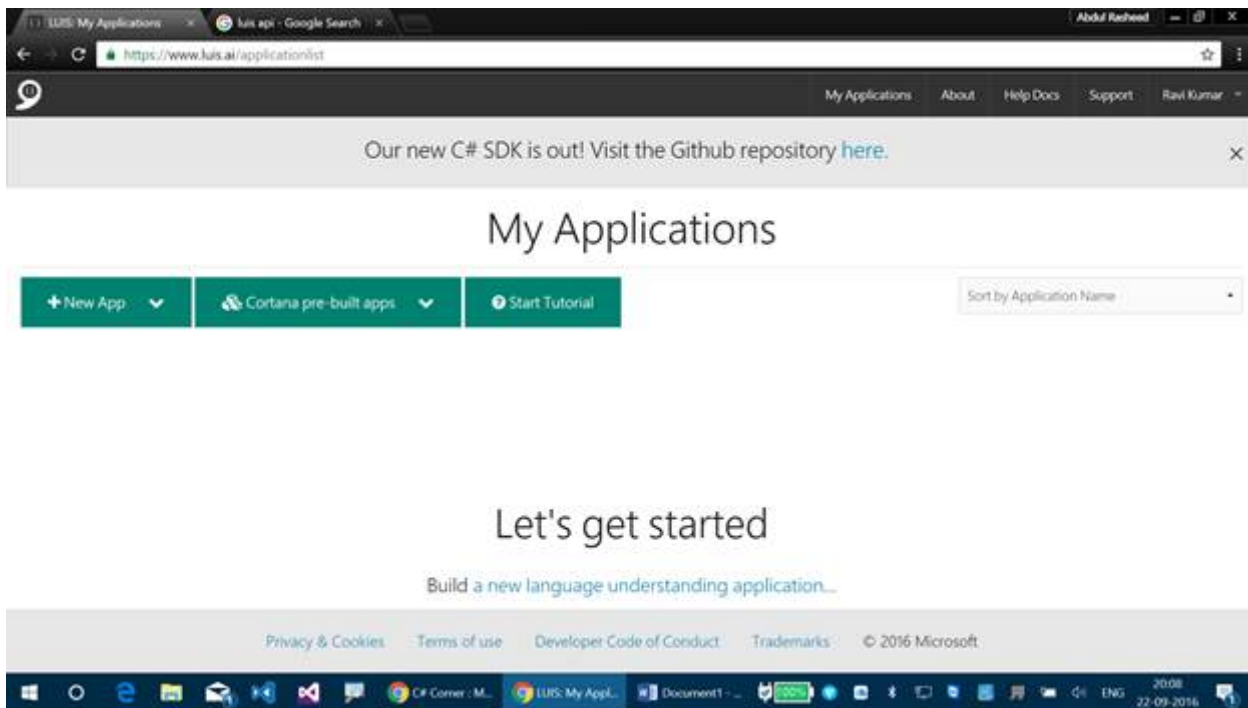
1. An updated Google Chrome or Internet Explorer Web Browser.
2. Microsoft Account (Outlook/Hotmail).

**Note** - Go through the below link to get some knowledge about Microsoft Bot Framework,

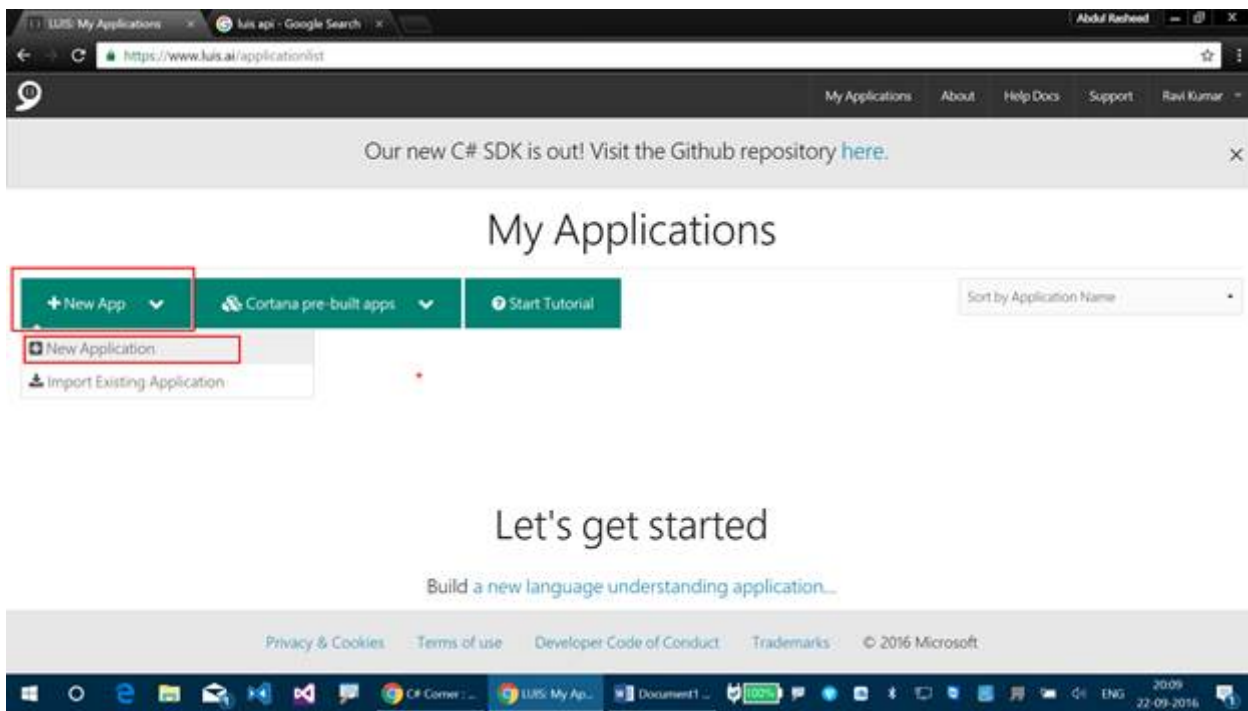
- [Kickstart To Microsoft Bot And Build Your First Bot Application On Local Host](#)
- [Run Your Bot Application In Bot Framework Channel Emulator](#)
- [Publishing Your Bot Application to Azure](#)
- [Registering Your Bot Application And Testing Your Connection At Bot FrameWork](#)
- [Using Microsoft Cognitive Services With LUIS API](#)

Follow the below steps now,

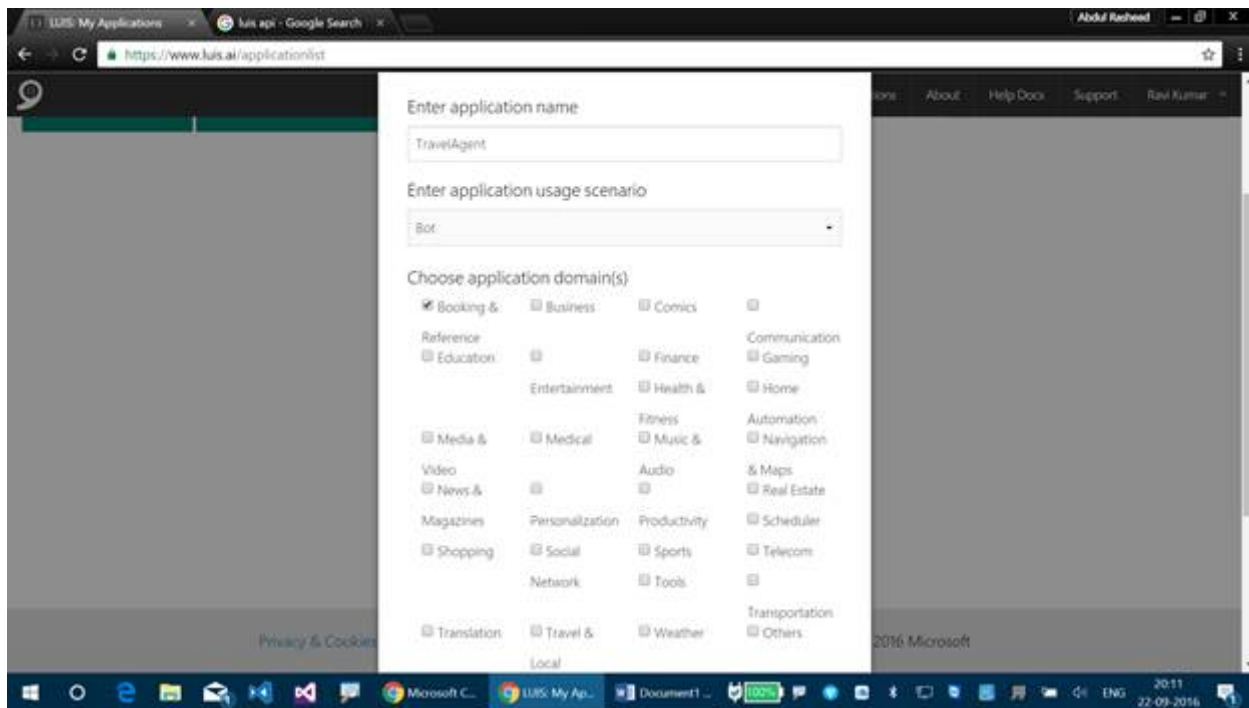
**Step 1** - Login to LUIS API web page from your web browser – [www.luis.ai](http://www.luis.ai)



**Step 2** - Click on New App - New Application.



**Step 3** - Enter the Application name as "TravelAgent" and Select Application Scenario as "Bot", Application Domain(s) as "Booking & Reference", Application Culture as "English" followed by "Add App" button.



The screenshot shows the LUIS application creation interface. The 'Enter application name' field contains 'TravelAgent'. The 'Enter application usage scenario' dropdown is set to 'Bot'. The 'Choose application domain(s)' section has a grid of checkboxes for various domains. The 'Booking &' checkbox is checked. The 'Add App' button is visible at the bottom right.

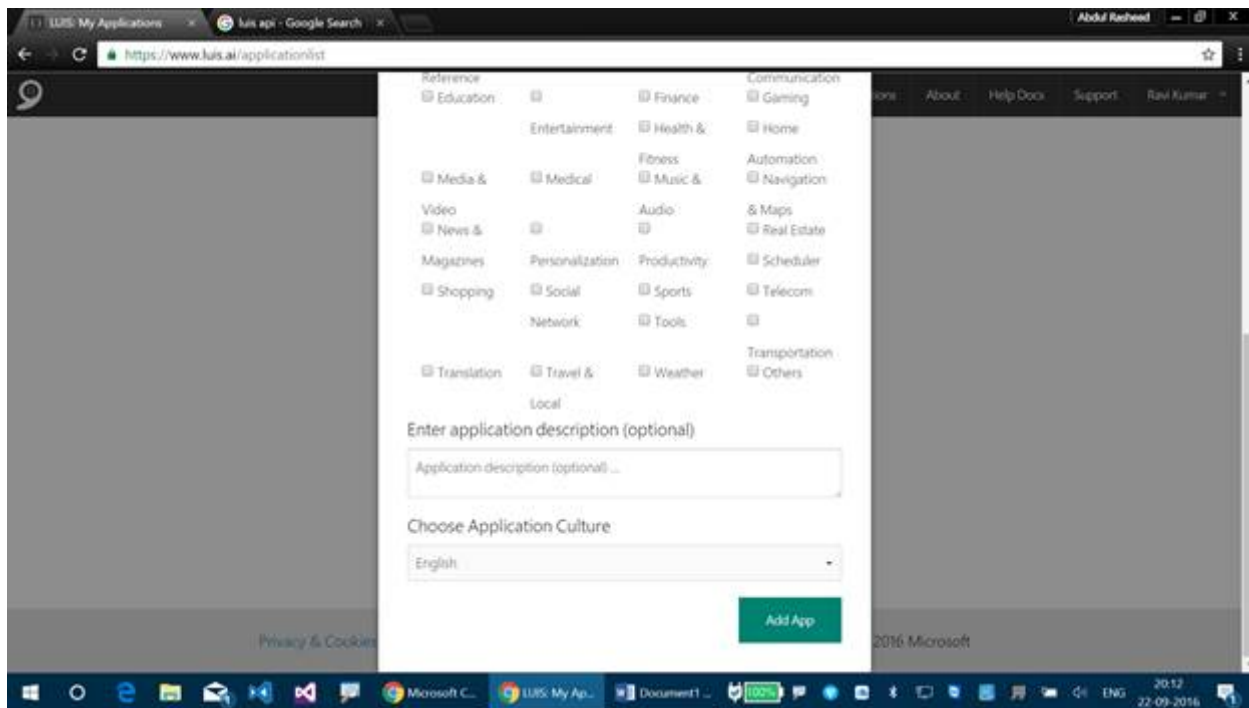
Enter application name  
TravelAgent

Enter application usage scenario  
Bot

Choose application domain(s)

<input checked="" type="checkbox"/> Booking &	<input type="checkbox"/> Business	<input type="checkbox"/> Comics	<input type="checkbox"/>
<input type="checkbox"/> Reference	<input type="checkbox"/> Education	<input type="checkbox"/> Finance	<input type="checkbox"/> Communication
<input type="checkbox"/> Entertainment	<input type="checkbox"/> Health &	<input type="checkbox"/> Gaming	<input type="checkbox"/> Home
<input type="checkbox"/> Media &	<input type="checkbox"/> Medical	<input type="checkbox"/> Fitness	<input type="checkbox"/> Automation
<input type="checkbox"/> Video	<input type="checkbox"/> Music &	<input type="checkbox"/> Navigation	<input type="checkbox"/> & Maps
<input type="checkbox"/> News &	<input type="checkbox"/> Audio	<input type="checkbox"/> Real Estate	<input type="checkbox"/> Scheduler
<input type="checkbox"/> Magazines	<input type="checkbox"/> Personalization	<input type="checkbox"/> Productivity	<input type="checkbox"/> Telecom
<input type="checkbox"/> Shopping	<input type="checkbox"/> Social	<input type="checkbox"/> Sports	<input type="checkbox"/>
<input type="checkbox"/> Network	<input type="checkbox"/> Tools	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Translation	<input type="checkbox"/> Travel &	<input type="checkbox"/> Weather	<input type="checkbox"/> Transportation
<input type="checkbox"/> Local	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Others

Add App



The screenshot shows the LUIS application creation interface. The 'Enter application description (optional)' field is empty. The 'Choose Application Culture' dropdown is set to 'English'. The 'Add App' button is visible at the bottom right.

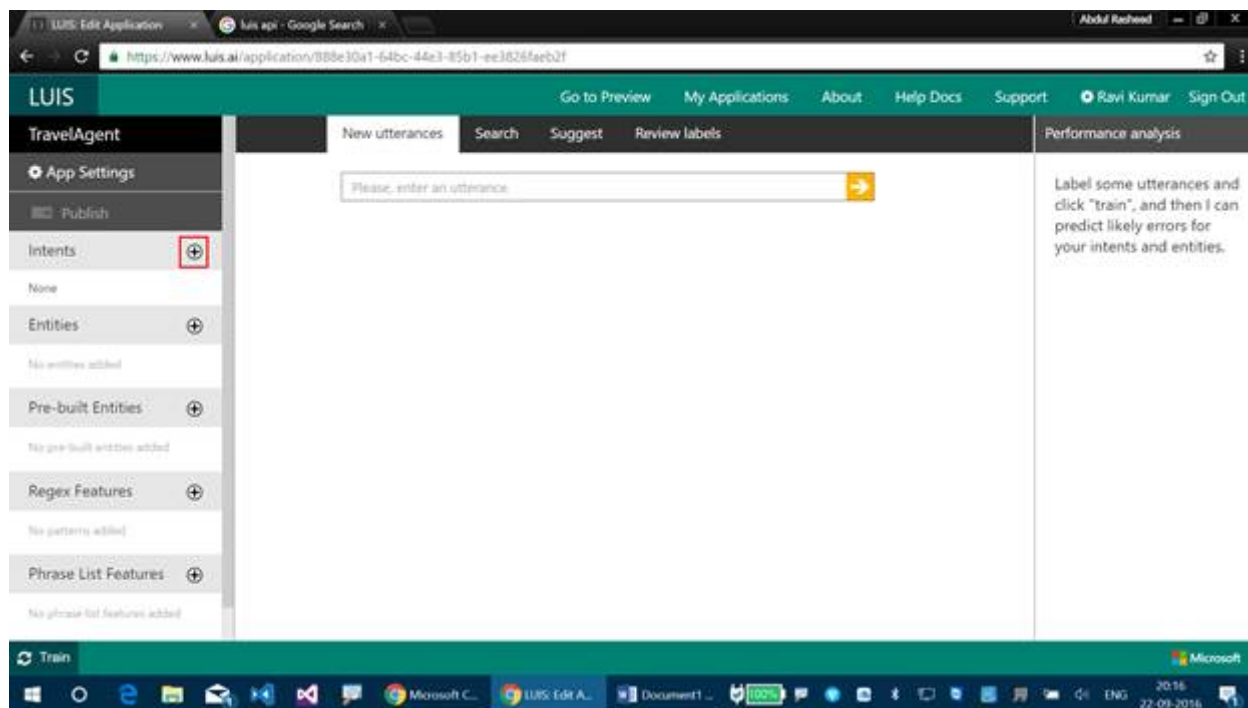
Enter application description (optional)  
Application description (optional) ...

Choose Application Culture  
English

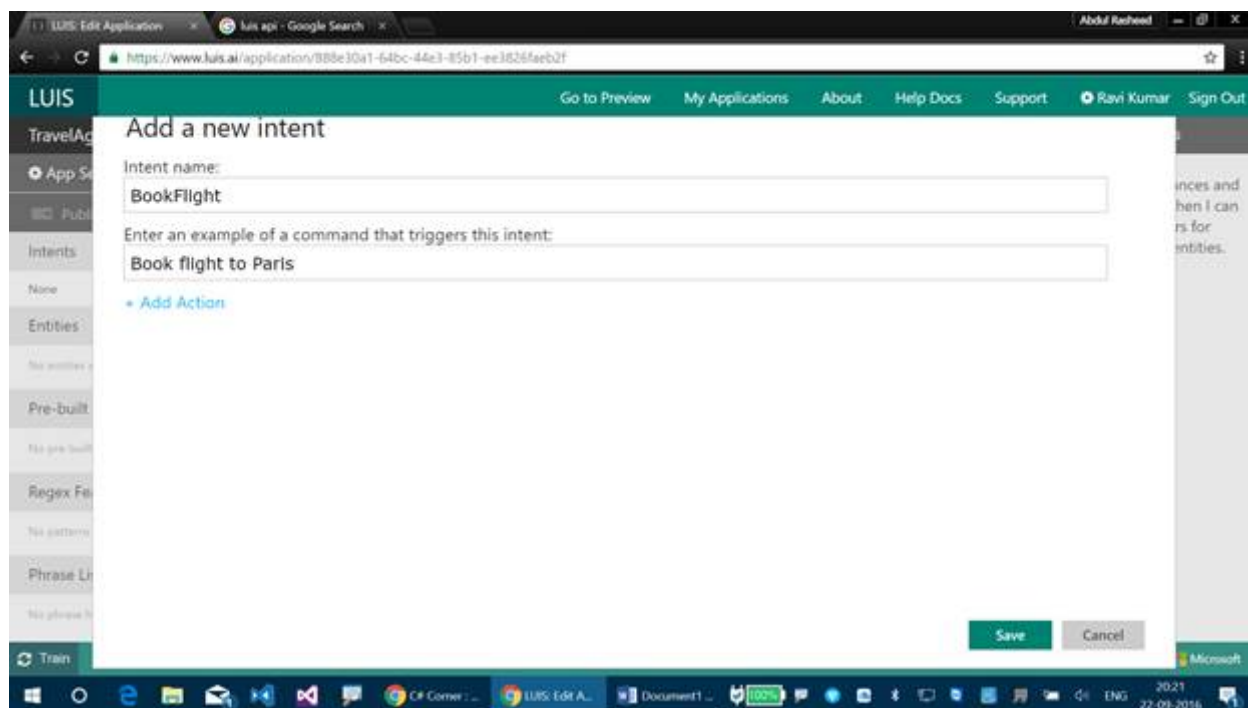
Add App

**Step 4** - Click on the “+” button near Intents and add Intent over here.

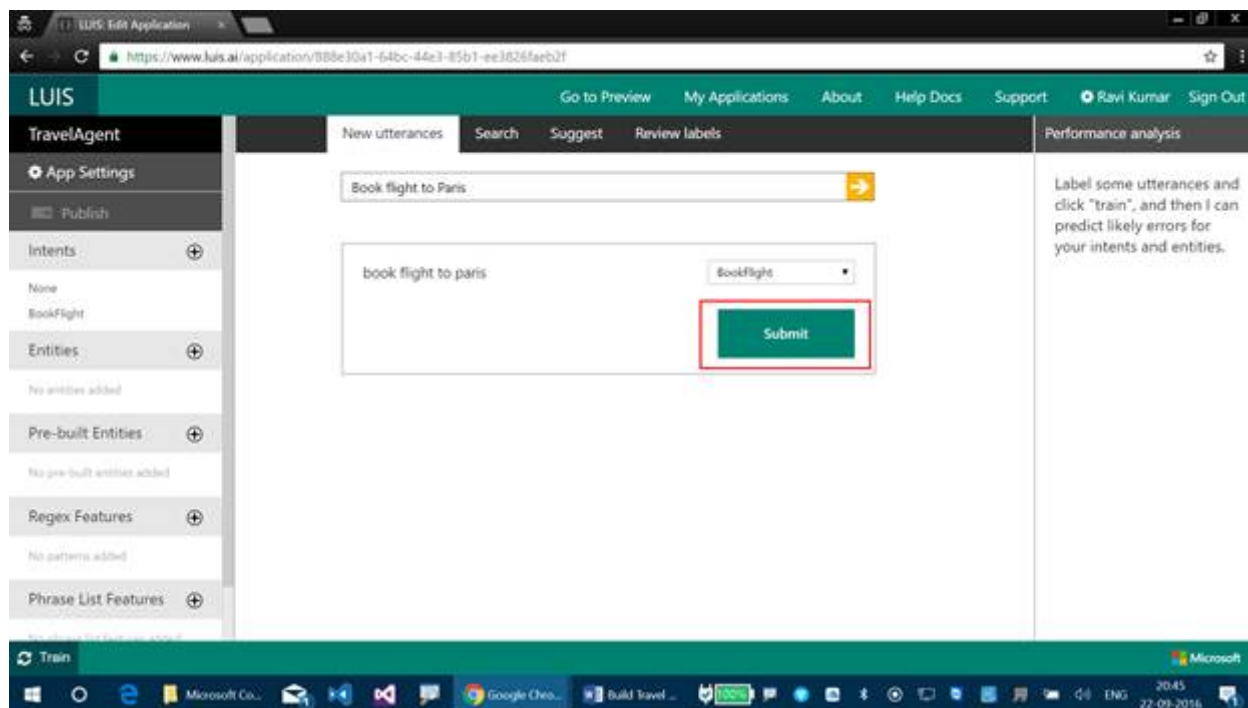
(Surf my previous articles to understand what is intent and utterance)



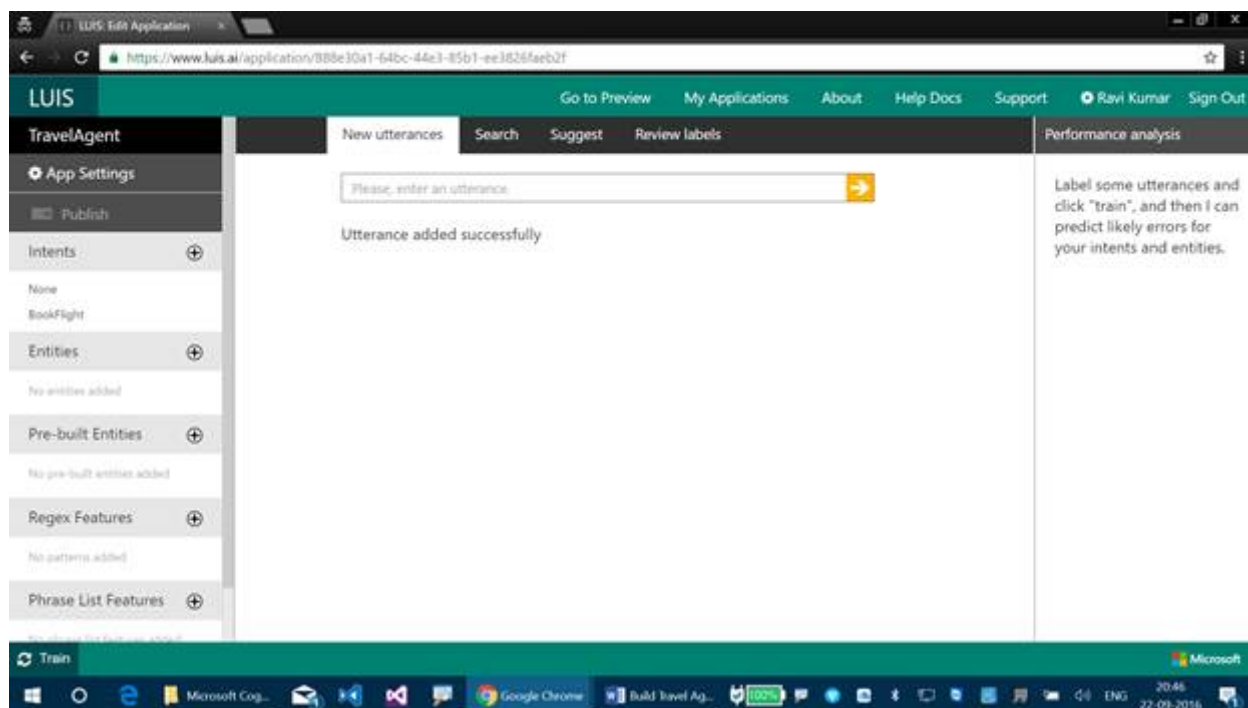
Enter the Intent name and an example of a command that triggers this intent followed by Save button.



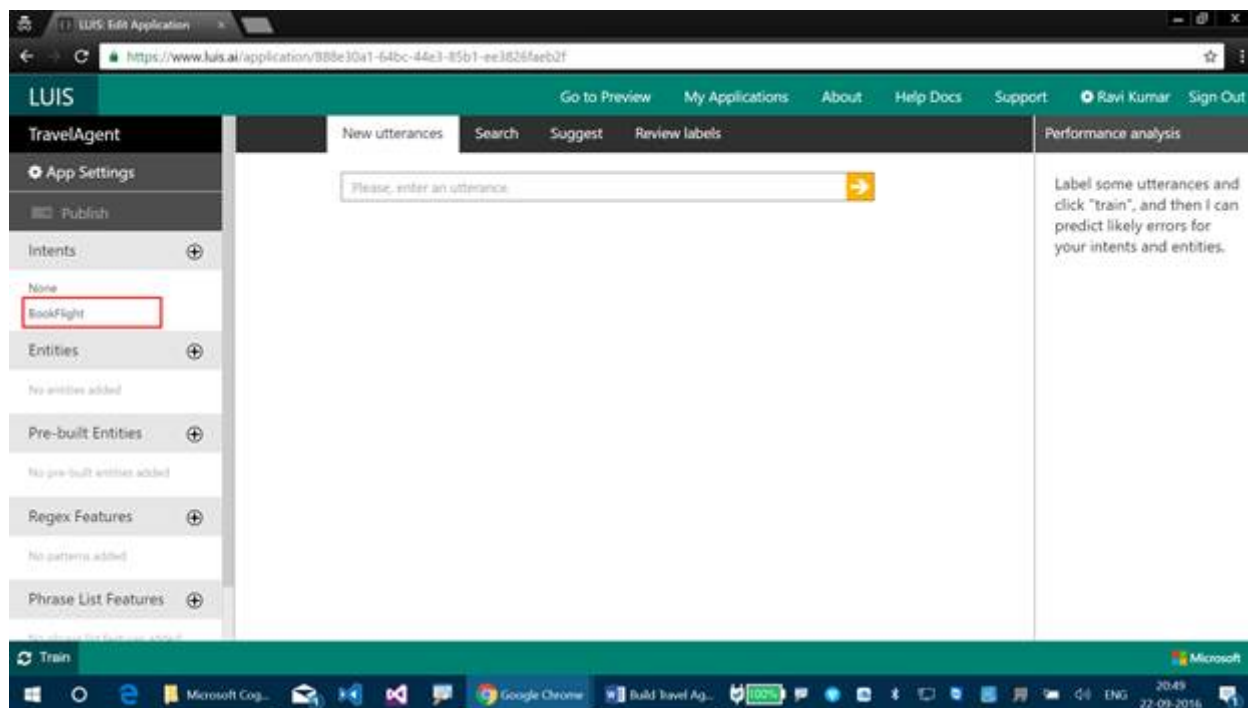
**Step 5** - Click on “Submit” over here.



Now your utterance will be added successfully.

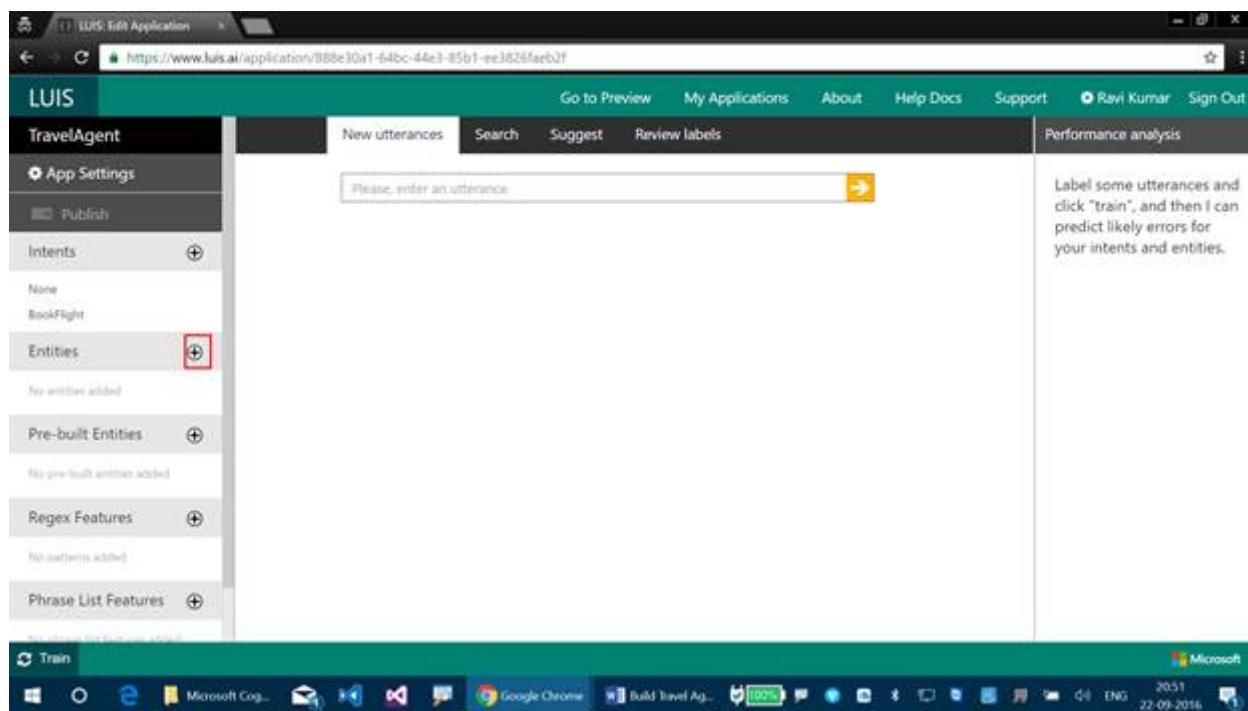


Here at the left corner you can find the intent has been added.



**Step 6** - Next let's work on adding the hierarchical and child entities,

Click on the “+” button near Entities.



Add new entity name as “Location”

## Add a new Entity

☐ Include children

Now, click on the check box of Include Children - Hierarchical - Entity Children "+" button if ToLocation as one children entity and FromLocation as second children entity followed by a click on Save button.

## Add a new Entity

☒ Include children☒ Hierarchical☐ Composite

Entity Children ⊕

Children can not be edited or deleted once added.

Follow my next article which will be a continuation of this one where we will be working with Bing entities and labeling, etc.

Thank you for using C# Corner