**Finding Places near me in Alexa**

**Objective:**

Call **google API** and **geolocation API** from amazon skill set to help customers interact directly through their voice.

Development of a custom Alexa skill using google **API** and **geolocation API** to help users quickly find list of different types of places like Hospital, shops, car rental, hotels... nearby and allow the users to call or get the phone number and the address.

**Place Types** :{ bank, bus\_station, café, clothing,\_store, gas\_station, hospital, park, pharmacy, restaurant}

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"slots": [

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"search for {type} in this location",

"find out {type}",

"search for {type} near me"

]

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{

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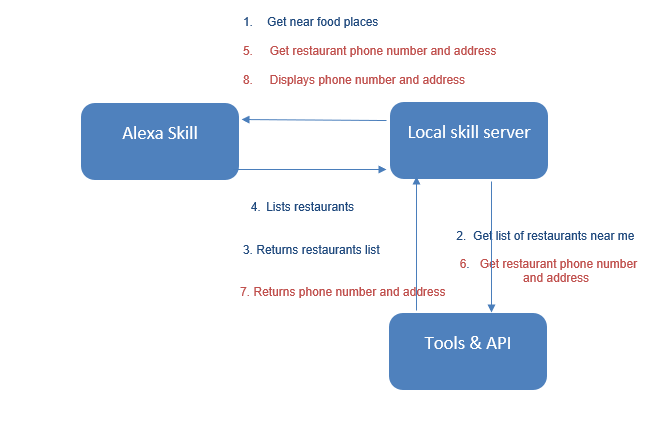
"find out {name} number",

"search for {name} number"

]

}

**User interaction:**



**Development Process:**

1. Design a Voice User Interface
2. Set up the Skill in the Developer Console
3. Use the Voice Design to Build the Interaction Model
4. Write and test the code for your Skill

* Provide the customer’s real-time location
* HTTP request are used to communicate between the server and APIs
* Alexa then processes those results of the GET call and lists the names of places back to the user.

**Difficulties**

* Location services for Alexa skills is NOT available in all locales.
* The only possible alternatives in this case are either an API like Google maps as well as HERE that use POST containing information like the BTS of which one we are connected or the MAC address of the access point. In the absence of the following information, an API that gives an approximate location using the IP address has proven to be the simplest and most reasonable.

<https://api.ipgeolocation.io/ipgeo?apiKey=6798734ccaa444cdbebfb4c38e3f0d90>

**Testing Skill**

You can test the skill by clicking the Test tab to use the Alexa Simulator. To start, click the mic and say "**run near me** "or type the same prompt into the dialog box.

To run the skill, download and use the following prompts:

* Alexa, open near me
* Alexa, run near me
* Alexa, start near me

