App.py

app.py

```python
#!/usr/bin/env python

import urllib
import json
import firebase
import os
import urllib3

from flask import Flask
from flask import request
from flask import make_response

# Flask app should start in global layout
app = Flask(__name__)


@app.route('/webhook', methods=['POST'])
def webhook():
    req = request.get_json(silent=True, force=True)

    print("Request:")
    print(json.dumps(req, indent=4))

    res = makeWebhookResult(req)

    res = json.dumps(res, indent=4)
    print(res)
    r = make_response(res)
    r.headers['Content-Type'] = 'application/json'
    return r

```

```python
def makeWebhookResult(req):

    action = req.get("result").get("action");

    if (action != "preco.curso") and (action != "pedido.gravar") and (action != "planeta.temperatura"):
        return {}
    result = req.get("result")
    parameters = result.get("parameters")

    #cost = {'R':100, 'Python':200, 'Machine Learning':300, 'Hadoop':400}

    # Curso
    if (action == "preco.curso"):
        curso = parameters.get("curso")

        #cost = {'R':100, 'Python':200, 'Machine Learning':300, 'Hadoop':400}
        from firebase import firebase
        firebase = firebase.FirebaseApplication('https://ifrn-bot-teste.firebaseio.com',None)
        preco = firebase.get("/Cursos",curso+"/Preco")

        if curso:
            speech = "O valor do curso " + curso + " é " + str(preco) + " reais."
        else:
            speech = "Qual curso? Escolha entre: " + str(cost.keys())

```

```
    # Gravando Pedido
    if (action == "pedido.gravar"):
        from firebase import firebase
        from firebase.firebase import FirebaseApplication, FirebaseAuthentication

        authentication = FirebaseAuthentication('J3f8i5JhNgU1ksyGoO3PpX8lvewaRJpgSEvF5c1h',True, True)
        firebase = firebase.FirebaseApplication('https://ifrn-bot-teste.firebaseio.com', authentication)

        parameters = result.get("contexts")[0].get("parameters")
        nome = parameters.get("nome")
        tamanho_pao = parameters.get("tamanho_pao")
        tipo_pao = parameters.get("tipo_pao")
        recheio = parameters.get("recheio")
        queijo = "Não"
        dobro_queijo = "Não"
        if (parameters.get("dobro_queijo")):
            queijo = "Sim"
            dobro_queijo = parameters.get("dobro_queijo")

        pedido = {"nome": nome, "tamanho_pao": tamanho_pao, "tipo_pao": tipo_pao, "queijo": queijo, "dobro_queijo": dobro_queijo}
        result = firebase.post("/Pedidos", pedido)
        speech = "Anote seu pedido: {}. Volte sempre!".format(result['name'])

    # Temperatura dos planetas
    if (action == "planeta.temperatura"):
        planeta = parameters.get("planeta")
        if planeta != "Marte":
            speech = "Ainda nao medimos temperatura para o planeta " + planeta
        else:
            url = "http://marsweather.ingenology.com/v1/latest/?format=json"
            http = urllib3.PoolManager()
            r = http.request('GET', url)
            data = json.loads(r.data.decode('utf-8'))

            temperatura_minima = str(data.get("report").get("min_temp"))
            temperatura_maxima = str(data.get("report").get("max_temp"))
            speech = "Previsao para {}: minima de {} e maxima de {}".format(planeta, temperatura_minima, temperatura_maxima)
```

```
    print("Response:")
    print(speech)

    return {
        "speech": speech,
        "displayText": speech,
        #"data": {},
        # "contextOut": [],
        "source": "apiai-onlinestore-shipping"
    }


if __name__ == '__main__':
    port = int(os.getenv('PORT', 5000))

    print ("Starting app on port %d" % port)

    app.run(debug=True, port=port, host='0.0.0.0')
```