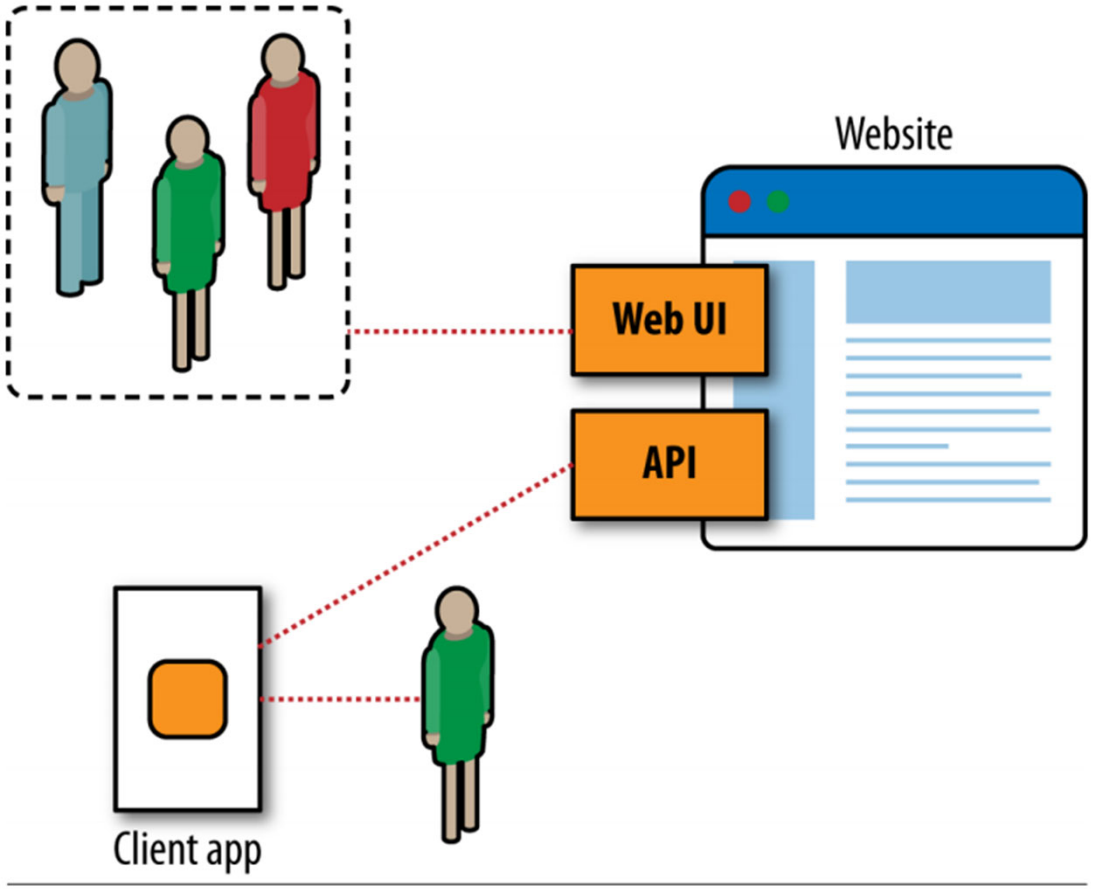
07
Web

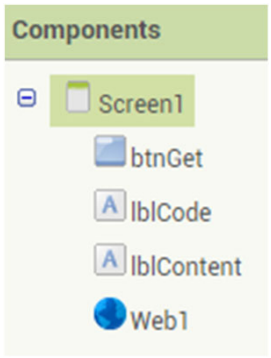
Got Text
JSON Text Decode

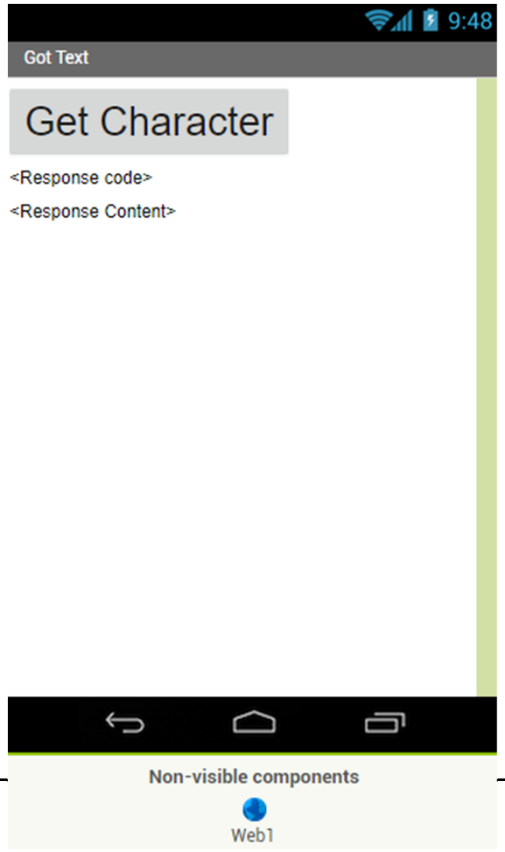
Communicate with the web api



Got Text

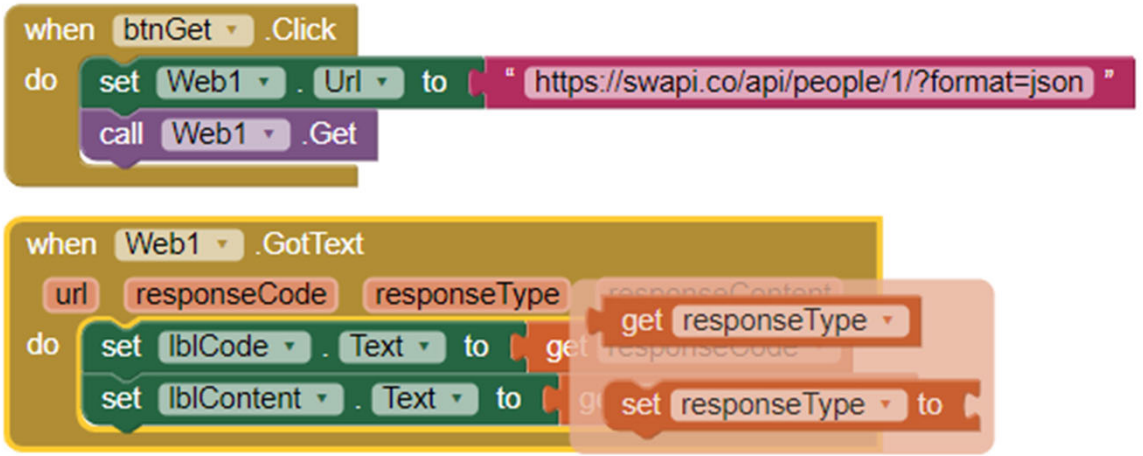
- App: Make a HTTP GET request to obtain information on a Star Wars character
- Designer view:





Got Text

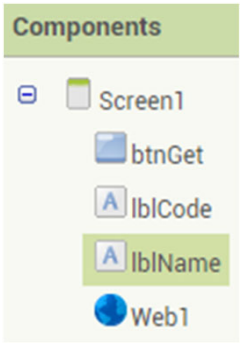
- **Blocks view:**

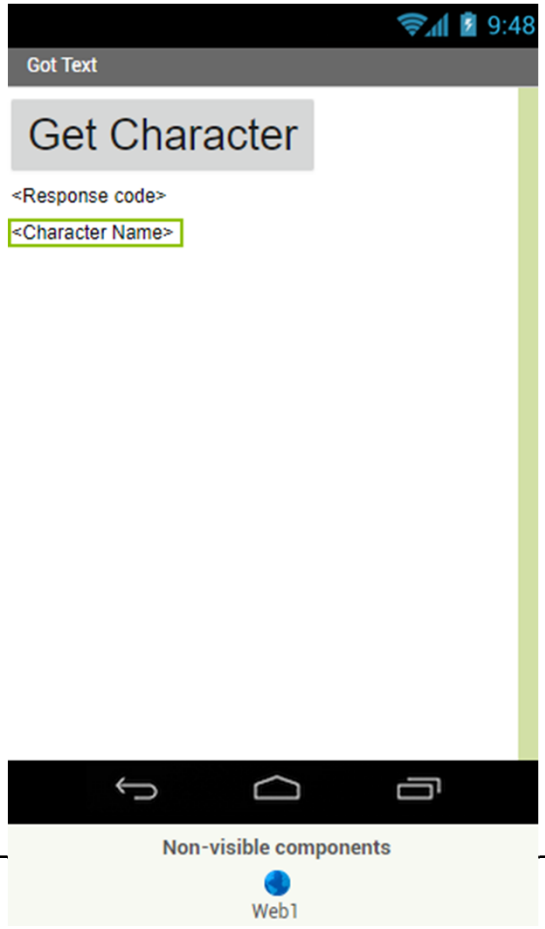


- **URL:**
  - https://swapi.co/api/people/1/?format=json

JSON Text Decode

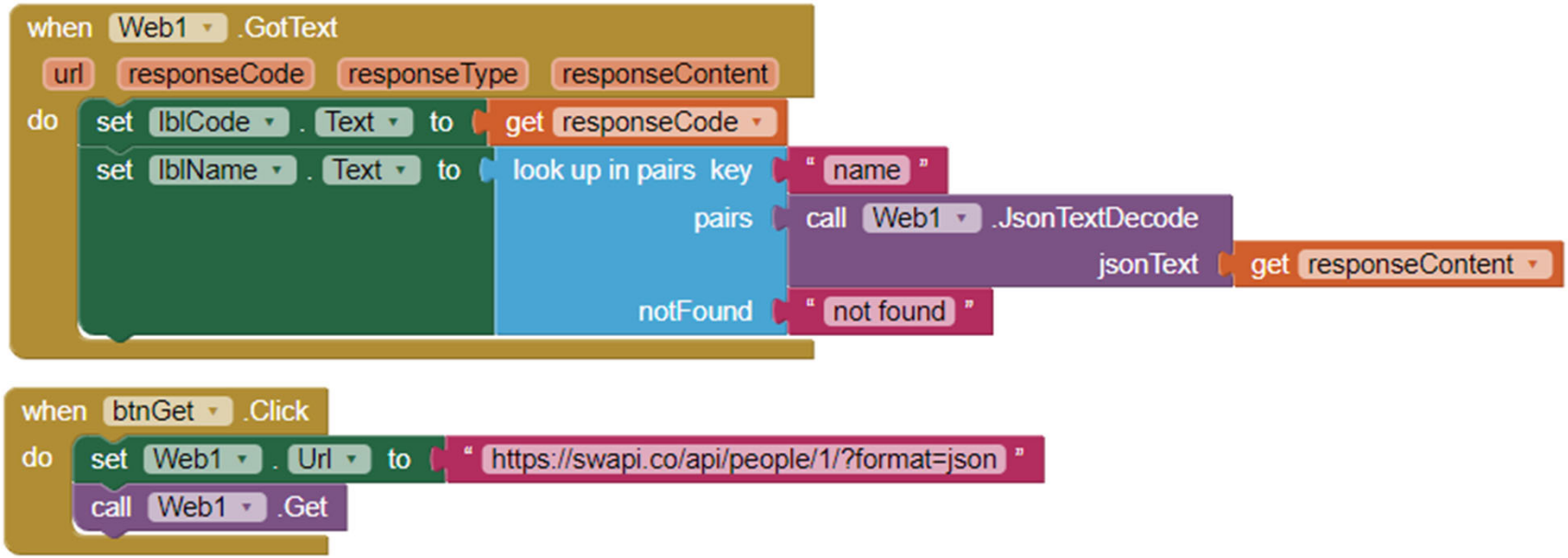
- App: Retrieve meaningful info from the raw web response
- Designer view:





JSON Text Decode

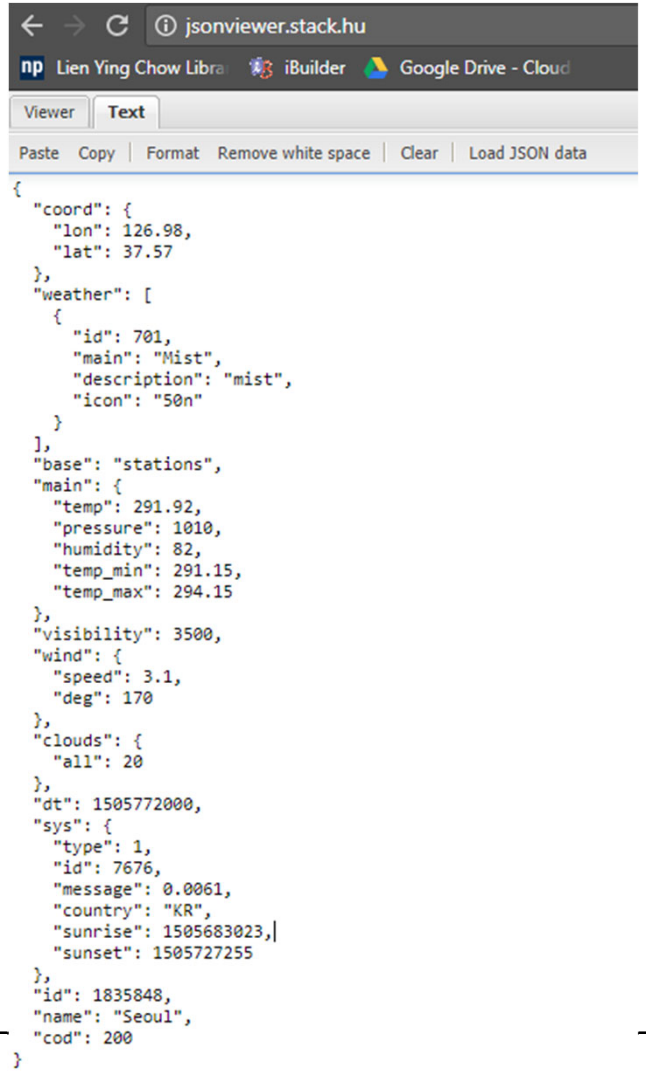
- **Blocks view:**



Assignment 2b

- **Web URL consists of three parts:**
  - http://api.openweathermap.org/data/2.5/weather?id=
  - <city_id>
  - &APPID=eb7f0bcecfed520b7d95898f925cf8e3
- **Example:**
  - http://api.openweathermap.org/data/2.5/weather?id=1835848&APPID=eb7f0bcecfed520b7d95898f925cf8e3

Assignment 2b



Assignment 2b

- **<City_id>:**
  - Refer to 'city.list.json.gz'
  - unzip and open using wordpad

Singapore	**1880252**
Johor Bahru	**1732752**
Seoul	**1835848**

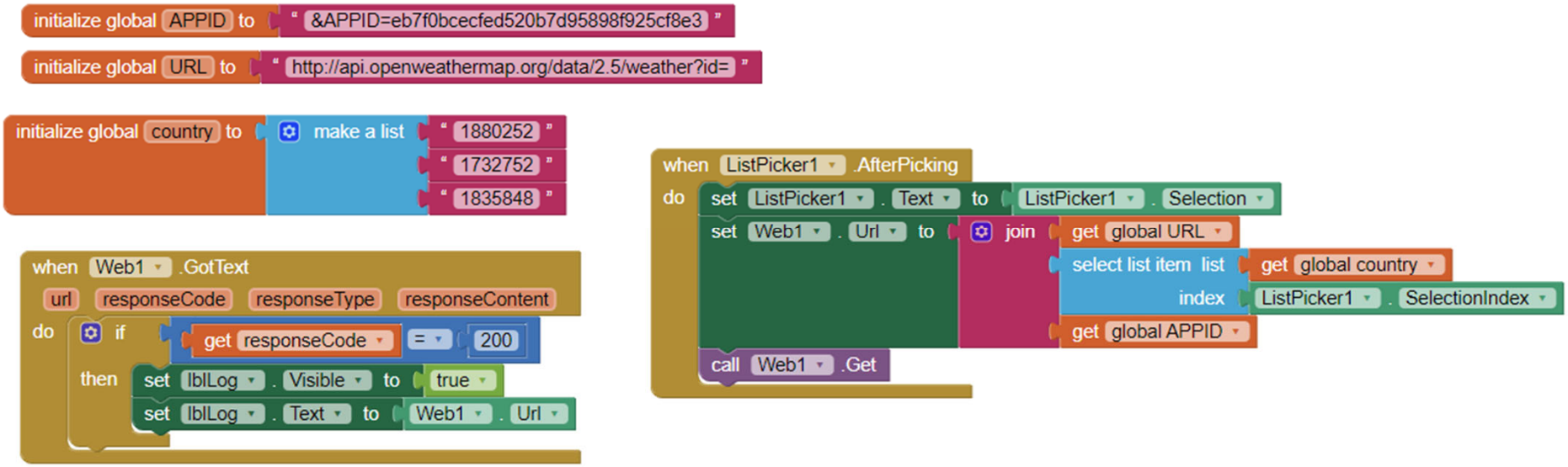
Assignment 2b

- **Blocks view:**
  - Create a global list “country” with three elements, i.e. the city_ids of Singapore, Johor Bahru & Seoul
  - Create two global variables to store the static portions of the web URL
  - When ListPicker.AfterPicking
    - Set ListPicker.Text to ListPicker.Selection
    - Set the Web.Url to a complete link with the city_id added
    - Call Web.Get

Assignment 2b

- **Blocks view:**
  - When Web.GotText:
    - if the responseCode = 200:
      - make lblLog visible
      - set lblLog.Text to Web.Url

Assignment 2b



Assignment 2c

- **Blocks view:**
  - Create a subroutine “procedure” with input parameter “json” containing the response content from web GET request
  - Hint: Use local variable and JsonTextDecode in the subroutine to extract the information needed, i.e. humidity, pressure, temperature etc