A valid Cordova project must contain a myCordovaProjectSolution\www folder.

All of the **HTML, CSS and JavaScript** edits required must take place in the above-outlined folder, as per:

```
myCordovaProjectSolution\www\index.html //To do HTML edits here
myCordovaProjectSolution\www\js\index.js //To do JavaScript edits here
myCordovaProjectSolution\www\css\index.css //To do CSS edits here
myCordovaProjectSolution\www\img //To attach any image edits here
```

In the upcoming pages you should find 4 different prototype scenarios outlined and accompanied by their provided solutions and APKs

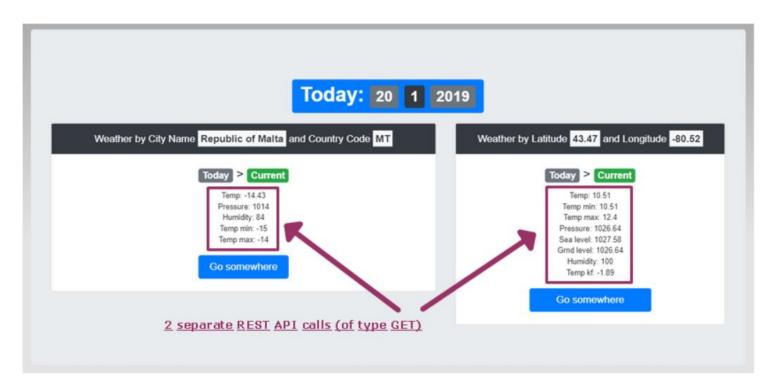
### **Example 01: REST API integration**

Access the following solution: **myWeatherApp** (found inside Examples folder)

Please run solution from: cordova-simulate plugin

2 typical methods used in the provided example

Screenshot taken from: myWeatherApp\www\index.js



#### //IMPORTANT NOTE ON REST Requests

//In your assignment scenario you may need to trigger requests via \$.ajax method, as per below.

```
$.ajax({
    type: "", // GET or POST or PUT or DELETE
    url: "", // URL path to call
    data: { // Data to pass in REST API call (please follow options outlined in the REST service specifications)
    },
    contentType: "application/json;", //Format expected by the Server
    dataType: "json", //Format expected by the Client in response
    success: function(data) { //Callback to be triggered should the request be successful
    },
    error: function(data) { //Callback to be triggered should the request fail
    }
});

// IMPORTANT: Make sure to include jquery (full version) to be able to access $.ajax \ $.getJSON methods:

/*
    <script src="https://code.jquery.com/jquery-3.3.1.min.js"
    integrity="sha256-FgpCb/KJQlLNfOu91ta32o/NMZxltwRo8QtmkMRdAu8="
        crossorigin="anonymous"></script>
    */
```

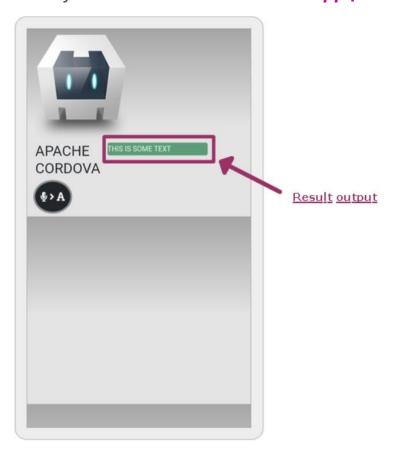
# Example 02: Speech-to-text plugin integration

Access the following solution: **voiceToTextConverterApp** (found inside Examples folder)

Please run solution from: android emulator

```
result (parameter): returns the value of the
                                             spoken text.
                                             The value is returned as an Array
 self.pluginMethods = {
     speech: {
         startListening: function (result)
              ▶if (result && Array
                                       Array(1)
                                      0: "this is some text"
                  console.log("Spe
                  //alert("Speech
                                      length: 1
                                       _proto_: Array(0)
                  console. log(r
                  //alert(result.j
                  $("#result").text
              else
                  console.log("Spec
                  //alert("Speech |
e 54, Column 17
```

Screenshots taken from: voiceToTextConverterApp\www\index.js



Result output of: voiceToTextConverterApp solution

### Example 03: File plugin integration

Access the following solution: **fileReadWriteApp** (found inside Examples folder)

Can run solution from: android emulator \ cordova-simulate plugin

Reading all text content from text file

Printing read content

# Screenshots taken from: fileReadWriteApp\www\index.js





Result output of: **fileReadWriteApp** solution

## Example 04: Media plugin integration

Access the following solution: **audioFileCreator-PlayerApp** (found inside Examples folder)

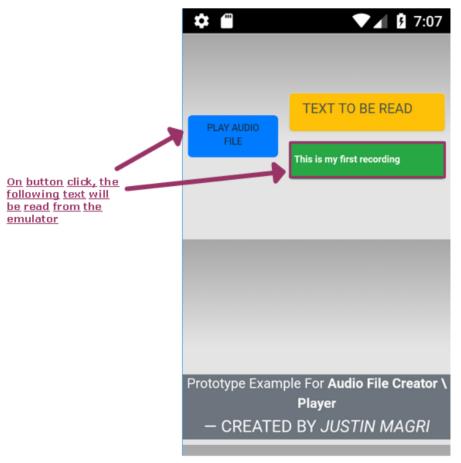
#### Please run solution from: android emulator

```
//Add this method in your assignment - DO NOT AMEND
v function playAudio(fileObj) {
     var _folderPath = fileObj.localURL;
     var media = new Media(_folderPath, function (successResult) {
         //On successful media play\stop\record action, do something (optionally)
         customOnAfterMediaActionSuccess(_folderPath, successResult); //Not required in your case
     }, function (errorResult) {
         //On failed media play\stop\record action, do something (optionally)
     });
     media.play();
                   //This will literally play the audio on your smartphone\emulator
  /Add this method in your assignment - DO NOT AMEND
 function b64toBlob(b64Data, contentType, sliceSize) { · · · }
 //Add this method in your assignment - DO NOT AMEND
  /Only this method needs to be triggered in your assignment
 function saveBase64AsAudioFile(folderpath, filename, b64Data, contentType){
```

Trigger this method to play the audio file that was previously created

This procedure will create an audio file in the provided directory path

# Screenshots taken from: audioFileCreator-PlayerApp\www\index.js



Result output of: audioFileCreator-PlayerApp solution