Weather Forecast - Test Results

Deployment to accessing the application via http over internet browser

The web application has been deployed in the local tomcat server as below:

```
● ● ●                              📁 bin — -bash — 156×39
192-168-1-103:bin ganeshkumarvellaichamy$ ./catalina.sh start
Using CATALINA_BASE:   /Users/ganeshkumarvellaichamy/Downloads/Development/Apps/apache-tomcat-9.0.0.M21
[Using CATALINA_HOME:   /Users/ganeshkumarvellaichamy/Downloads/Development/Apps/apache-tomcat-9.0.0.M21                          ]
Using CATALINA_TMPDIR: /Users/ganeshkumarvellaichamy/Downloads/Development/Apps/apache-tomcat-9.0.0.M21/temp
Using JRE_HOME:        /Library/Java/JavaVirtualMachines/jdk1.8.0_121.jdk/Contents/Home
Using CLASSPATH:       /Users/ganeshkumarvellaichamy/Downloads/Development/Apps/apache-tomcat-9.0.0.M21/bin/bootstrap.jar:/Users/ganeshkumarvellaichamy/Down
loads/Development/Apps/apache-tomcat-9.0.0.M21/bin/tomcat-juli.jar
Tomcat started.
[192-168-1-103:bin ganeshkumarvellaichamy$ clear                                                                                 ]

192-168-1-103:bin ganeshkumarvellaichamy$ ▊
```

The deployed application can be accessed via http as below:

Ref: Image - 1-HttpApplication

The home page on opening the application via http.

A small introductory note for the application and the technology used in the same, references for the data.

Ref: 2-HomePage

Clicking on Adelaide, the weather forecast for the city of Adelaide on current day is displayed on the page.

The page content gives the below information:
  Name of the location - Adelaide
  Location Time - Current Date time in UTC format
  Geographical Coordinates - Latitude | Longitude & Elevation in metre.
  Condition of weather - Represented as icon for (Rain/Snow/Sunny) - Rain in this case.
  Recorded temperature currently - a short note on condition and city name adjacent to it.
  Humidity recorded in %
  Pressure recorded in hPa

Ref: 3-LocationDefaultPage

The date required to get the forecast data can be input to the request via the text box above and click on Get Forecast to display the results.

Ref: 4-LocationWithDate & 5-LocationWithDate

Clicking on any location will always get the current date-time 's weather forecast. The page below illustrates the same for Melbourne.

Ref: 6-AltLocationDefault

Getting the forecast for a date falling in early to current date.

7-AltLocationForDate