

Basic Weather REST API using Java and Spring

This simple weather REST API identifies locations and responds with current or future weather conditions. It was developed in Spring Tool Suite on Eclipse, using Java and Spring Framework. Data is retrieved for three cities: Tempe, Vegas and Chicago.

Requests supported:

URI (input)	Response
http://localhost:8080/weather?location=XYZ	Current temperature and weather condition of city 'XYZ'
http://localhost:8080/forecast?location=XYZ	Weather forecast of city 'XYZ' for tomorrow.

Where XYZ is one among Tempe, Vegas or Chicago.

Exception handling:

- 1) Any URI of the type <http://localhost:8080/weather> or <http://localhost:8080/forecast> followed by commands different from the above supported requests, or any city other than Tempe, Vegas or Chicago (First letter caps), is responded with a message : "Location not found. Check the URI!"
- 2) All other invalid URIs are responded by the default Spring whitelabel error page, with the error status code.