Current Weather Design Document

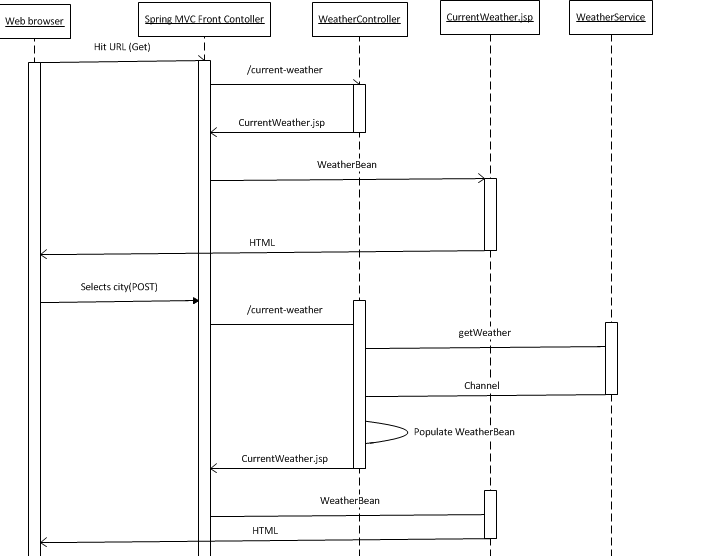
# Introduction

The purpose of this document is to outline the technical design of the current weather web application and provide an overview for the implementation

# Sequence Diagram:

This application is based on Spring MVC architecture.

Each request first comes to Front controller which is **WeatherController** in this case. This controller directs the request to a view which is **CurrentWeather**.**jsp** and also binds the model **WeatherBean** with the view. View displays the dropdown to the user, as soon as user selects a city, POST request is submitted which again goes to WeatherController.



# Exception handling:

All possible checked exceptions are encapsulated as WeatherServiceException and mapped to a view

ExceptionPage.jsp using Spring class SimpleMappingExceptionResolver

All other runtime exceptions are mapped to error.jsp

Error messages are defined in messages.properties file.

# Project Structure

Current-weather

/src/main/java:

com.btg.weather: Controller, service and model classes

com.btg.weather.exception: Exception class and Error codes

src/main/resources: error messages properties file

src/test/java: JUnits

src\main\webapp\WEB-INF\views: all jsp pages

src\main\webapp\WEB-INF: SpringConfig-servlet.xml and web.xml