Earth Quake Application

Technical Design document

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**Problem Statement:**

Earth Quake Application

* User can input any locations with latitude and longitude to find its near by earth quake places.
* Url to fetch the earth quake details <https://earthquake.usgs.gov/earthquakes/feed/v1.0/summary/all_month.geojson>
* Calculate the distance from source and target location in Kms.
* Output should be formatted has “title || distance” with only 10 records as limit.
* If two location is same (latitude and longitude) then one of the location will be ignored.

**Design of component:**

A screenshot of a cell phone

Description automatically generated

**Class Diagram:**

A screenshot of a cell phone

Description automatically generated

**Limitations:**

1. For all the request, application will fetch the earth quake data from external API.
2. Junit testing done only on positive scenario, negative scenario not covered.

**Technologies:**

Java 1.8

Spring boot 2.3

Maven 3.6