KnowRoaming Chess Application:

1. Description:

Fill in the implementation to a sample AngularJS **(Angular 1)** Application with a **directive** that will be able to display an **N** x **M** chess board.

N - number of rows, typeof Integer.
M - number of columns, typeof Integer.

In addition, a **reload button** should be provided, with the following behaviour:

- when **button clicked**, a **new server request** will be sent, and **UI updated** with the new values.

NOTE: **N** and **M** will be obtained from a server endpoint.
NOTE: the server endpoint may not give the same number every time, i.e. numbers are randomly generated.

2. Specifications:

2.1 Directive Specifications:

2.1.1 *Drawing the Chess Board of N rows, M columns*

For odd rows:

Odd columns will have background filled black: #000, font-color: white #fff;
Even columns will have background filled white: #fff, font-color: black #000;

For even rows:

Even columns will have background filled white: #fff, font-color: black #000;
Odd column will have background filled black: #000, font-color: white #fff;

2.1.2 Cell Behaviour:

Each cell should contain a text showing the current row and column number.
i.e.

First cell of the first row should show the text '1 x 1', second cell showing text '1 x 2'
First cell of the second row should show the text '2 x 1', second cell showing text '2 x 2', and so on…

When a cell is clicked, the cell will be **highlighted**, i.e. with background filled **blue**, #0000ff, font-color **yellow**: #ffff00;
All other highlighted cell should return to their **original colours**.

NOTE*: The the number of rows and columns will be obtained from a server via a GET request (see below).
NOTE**: **Use isolated scope** for the directive during the implementation, i.e. directive **SHOULD NOT directly inherit scope from the Controller**.

2.1.3 Changes to Chess Board Dimensions:

Should either **N** or **M** changes, the **UI should be updated.**

2.2 Server Specification:

Request: **GET** http://apn.knowroaming.com/krchessapp-api/get-dimensions/
Response: JSON {rows: **INT**, cols: **INT**}
e.g. {rows: 10, columns: 12}

3. Running the Project:

You will be able to run this project by hosting it under a web server.

E.g: for Apache on Ubuntu, you can move the project to /var/www/html