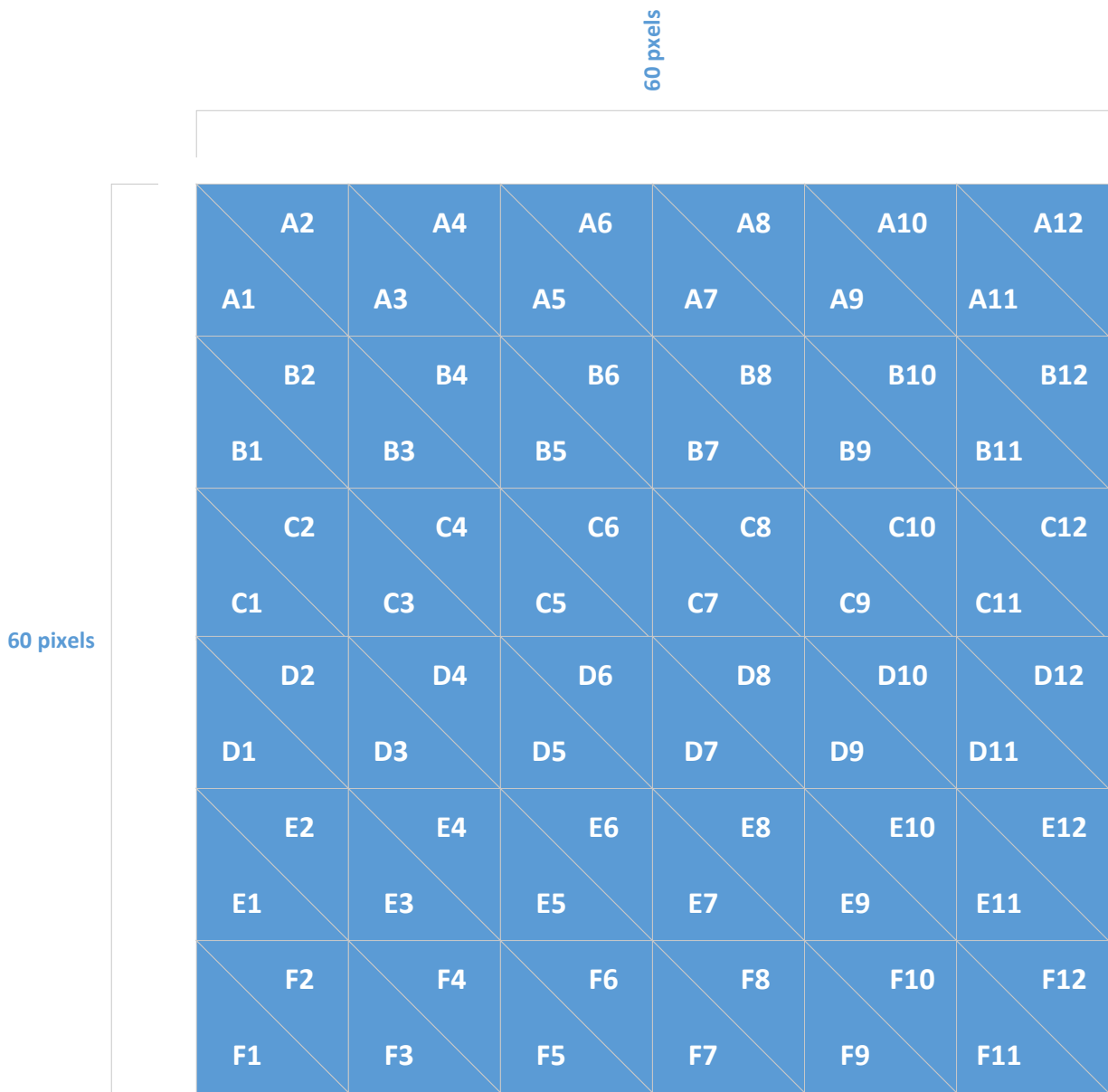


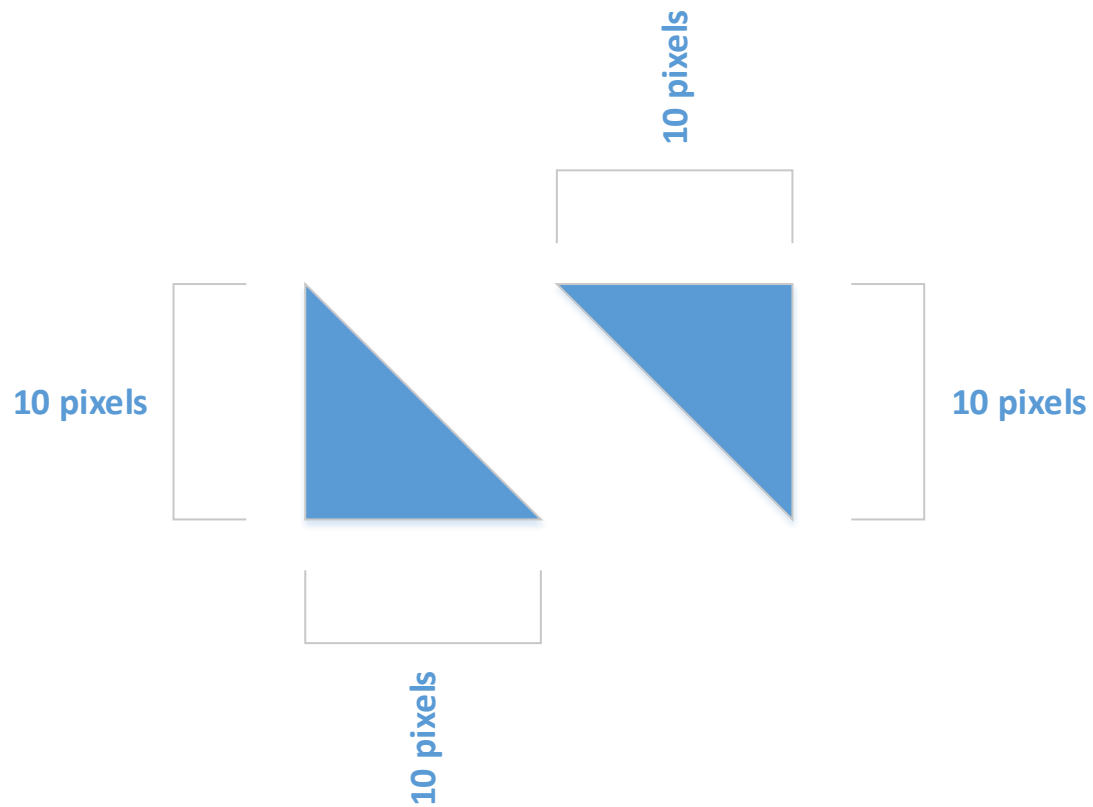
Your sample should be developed as a C# Web Api endpoint with an optional JavaScript front end and should be posted to GitHub for review. Please provide your recruiter with the link for the source code.

## Geometric layouts

1.A - The task, calculate the triangle coordinates for an image with right triangles such that for a given row (A-F) and column (1-12) you can produce any of the triangles in the layout below:



Each non-hypotenuse side of the triangle is as follows:



1.B - Lastly, given the vertex coordinates, calculate the row and column for the triangle:

