Goal

Create an SVG file that holds the information required for generating Generative Type designs. That includes:

"Words" - A layer containing 2 or 4 different forms of the same word. Half in Arabic and Half in Hebrew. The words

Requirements

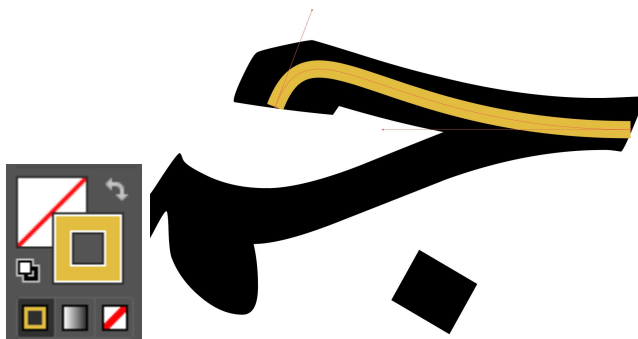Aligned Bezier Curves
2 or 4 forms.
A word has at least 2 letters
Layer names: "Words" "Heb" "Ar", "Background",
350x350 (OpenSea), 1024x1024 (DallE)

Initial Layout

1. Pick a word.
2. Write it in Arabic and in Hebrew. Pay extra attention to the spelling. If some points are missing for the Hebrew letters add them.

גֶ חַ

3. Pick a [Font](#) for each word.
   Take under consideration the alignment between the words.
4. Select the Pen Tool pick a solid color for the Stroke and leave the Fill transparent.

5. Using the Pen Tool, recreate the strokes by going over the word, go over each letter individually. Keep in mind the alignment between the languages on stroke level.
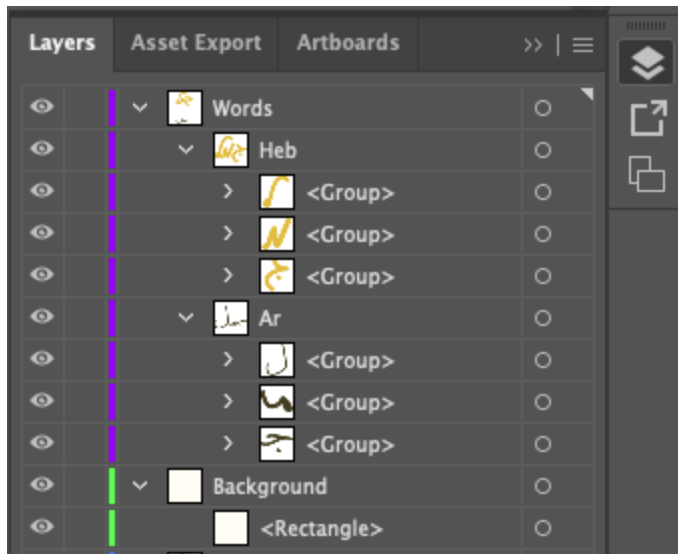
Tip: start with the language you are **less** familiar with.

6. When you're satisfied with the Stroking start morphing the shapes.

Morphing the strokes to fit the other language

7. Using the grouping command (Control+G) group together different strokes that belong to the **same letter**. For example to draw the letters ج ز we'd use 2 strokes, one for the dot and the other one for the body of the letter.
8. Group all the letters together, make sure the layers follow the alphabetical order from Bottom to Top. The bottom Layer\Group corresponds to the first letter, and the top Layer\Group corresponds to the last letter. Name the groups "Ar" or "Heb" depending on the language.
9. Copy the Word Group into a new Layer, name it "Heb" or "Ar".
10. Move the new Word Group onto the other Font. Move the Letter Strokes over the matching letters and start morphing the Bezier curves to Fit between the Font outlines.
11. Fitting a Bezier Curve is done by moving its control points to matching areas on the other letter. And Changing the width parameter.
12. Try to avoid adding \ removing control points, PAY ATTENTION to the alignment with the original letter stroke\s. If you add a point in the new Word Group, add it in the original one. Same for removing points.
13. Remember that the aligned strokes will be interpolated. Try keeping their composition similar.
14. Once done aligning all Letters Strokes check the validity of the alignment and the estimated* quality for the interpolation.
15. Using the Blend Tool (W) pick the original Word Group and then morphed Word Group.
16. Enjoy :)
17. Or… fix the alignment.
18. Optional: Add more letter\s for gender inclusion.
19. Move the 2 Word Groups outside the blend to a Layer name "Words". Create another Layer named Background with a simple solid colored rectangle.

20.

21. Export As.. SVG.

22. Change the configuration in the config.json file and run GenerativeType.py.