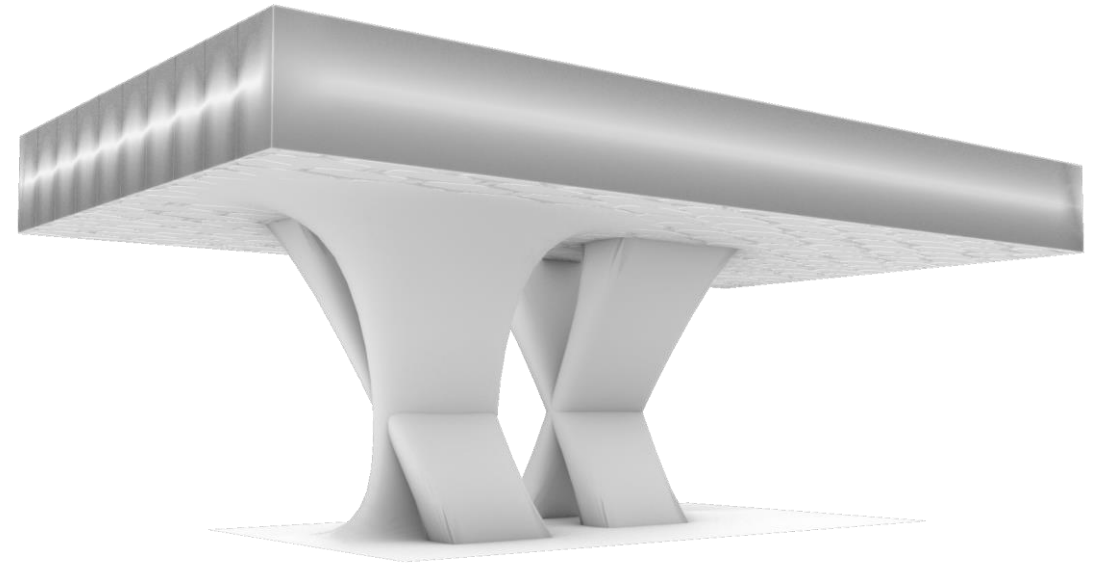
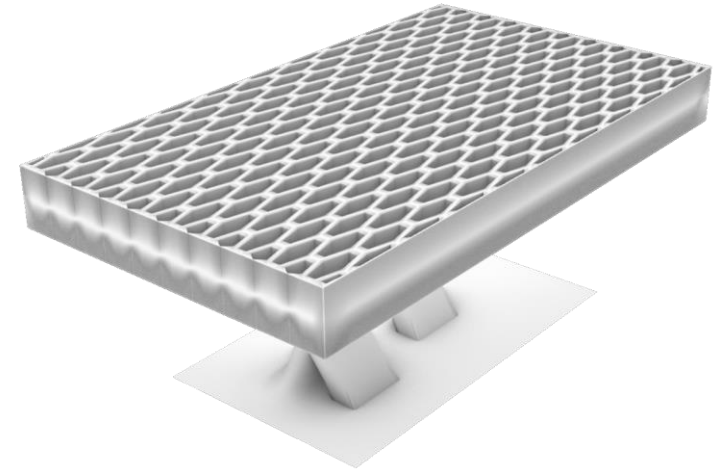




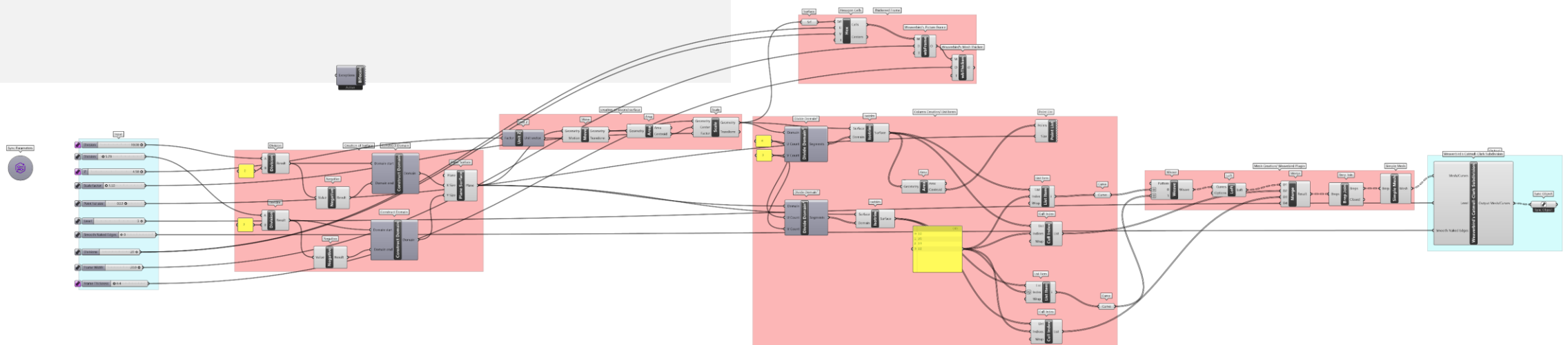
Project 04 – Free Form Surface Modelling using meshes Nikshith Reddy Nagaraja Reddy

This project aims at designing a pavilion making use of meshes. The process - involved creating a planar **Surface** on grasshopper. Copying the surface in **unit z** direction and **scaling** it. I then added the **Thickened frame** for the top surface using the '**LunchBox**' and '**WeaverBird**' Plugin. The next step involved using '**List Items**' which was used to model columns for the pavilion. I then converted the structure to a mesh using the '**weaverbird**' plug In and used the **Catmull-Clark Sub-division** to achieve smoothness. The final step involved using the '**fologram**' plugin to visualize the pavilion in a Virtual Reality format. Link → www.nikshithreddy.com



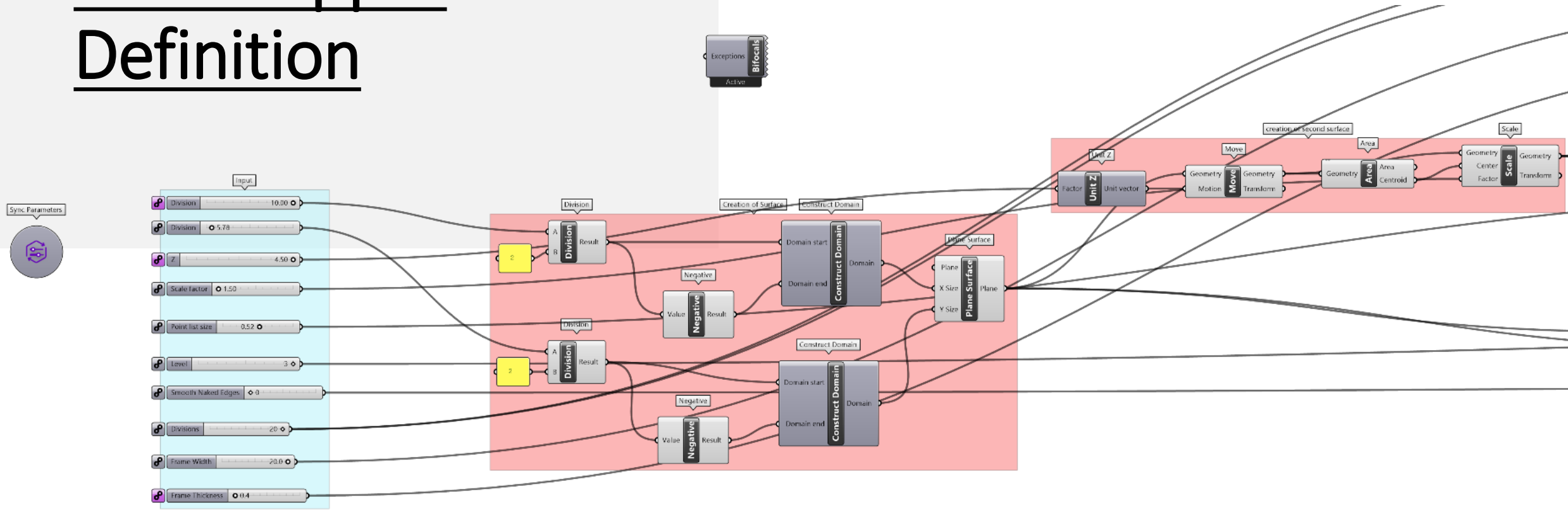
Grasshopper Definition

- Entire Definition incorporating grasshopper, lunchbox, weaverbird and fologram plug ins.



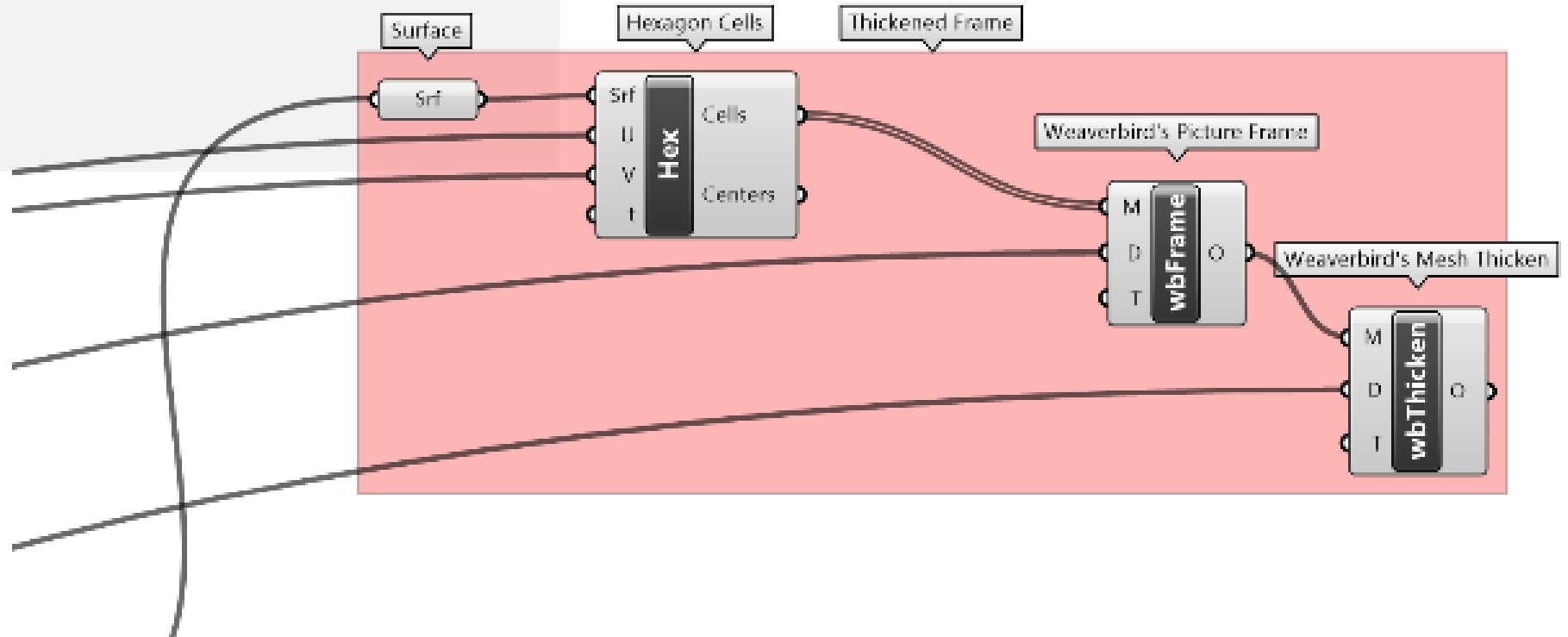
Grasshopper Definition

- InputParameters + Fologram components. Creation of planar Surfaces



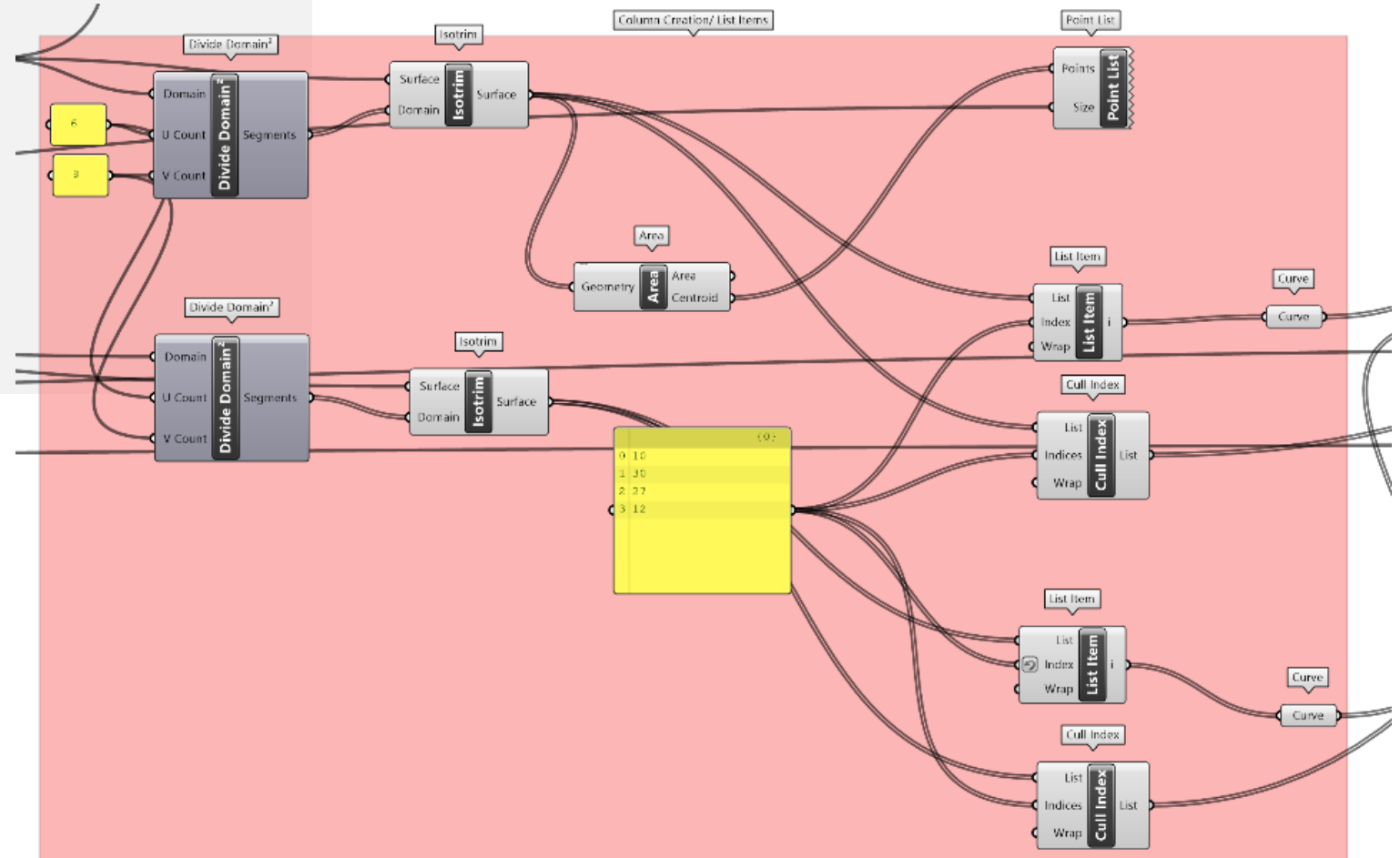
Grasshopper Definition

- Thickened Frame using weaverbird + Lunchbox



Grasshopper Definition

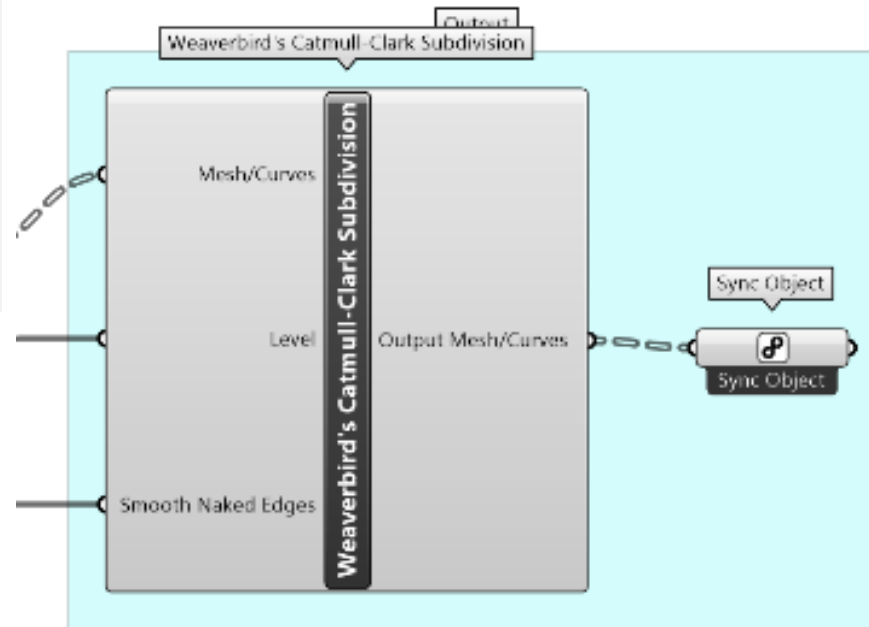
- Creation of Columns with List Items





Grasshopper Definition

- Weaverbird's Catmull-Clark Subdivision to achieve Smoothness + Sync Object to visualize results on Fologram.



Thank You