Decomposition Diagram:

The modules/functions needed are demonstrated in the decomposition diagram. The program will need a function for each shape to calculate the volume and surface area; a function for cones, cuboids, spheres and cylinders. It will also need a function to get the type of shape the user would like to select so that it can call the appropriate function to calculate the volume and surface area.

Data structures needed include: variables which hold string and float values and tuples to return the volume and surface area

A diagram of a company

Description automatically generated