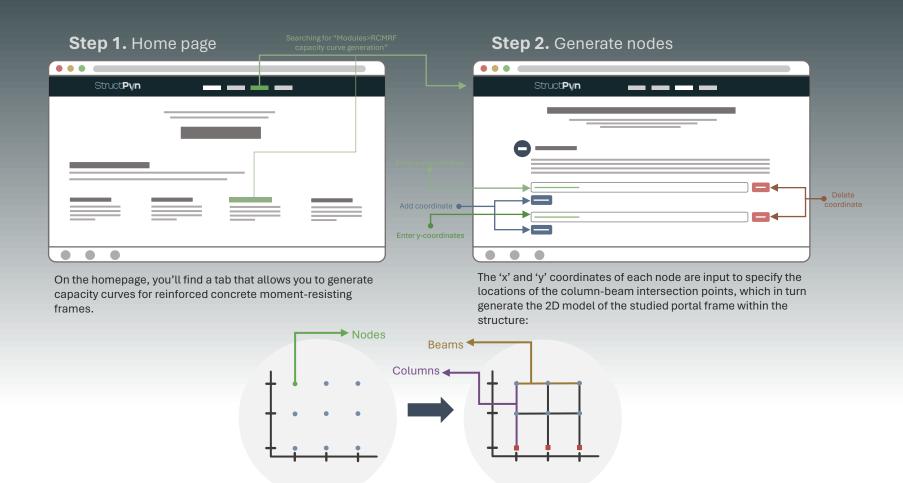
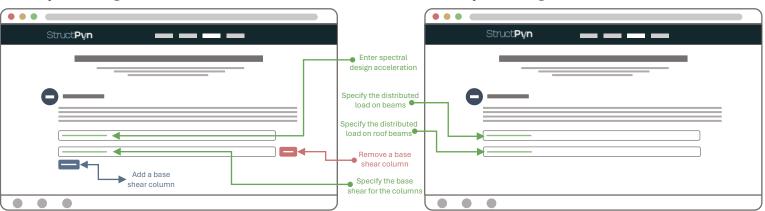


## USER FLOWCHART GENERATE CAPACITY CURVES

Welcome to our user manual, where we've outlined the steps you need to follow to navigate through our platform and generate capacity curves for regular RCMRF buildings.



Step 3. Assign mass to nodes

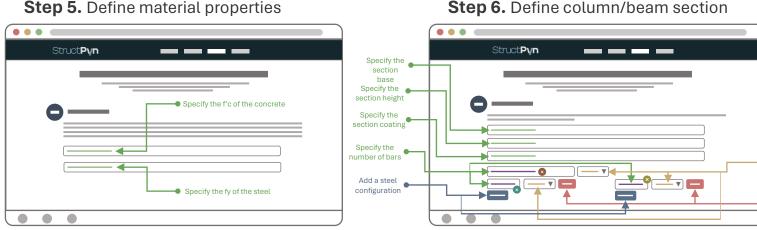


Each node is allocated its corresponding mass, calculated as the ratio of the base shear of the column to the spectral acceleration, divided by the number of floors in the structure.

The distributed load on the beams is applied using the combination 1.05D + 0.25L. The load from slab afferent to the beam is included in the distributed load.

**Step 4.** Assign distributed load on beams

Step 5. Define material properties



The properties of concrete and reinforcing steel are defined.

Characteristics are provided to specify the fiber section for both columns and beams:

(diameter in

configuration

