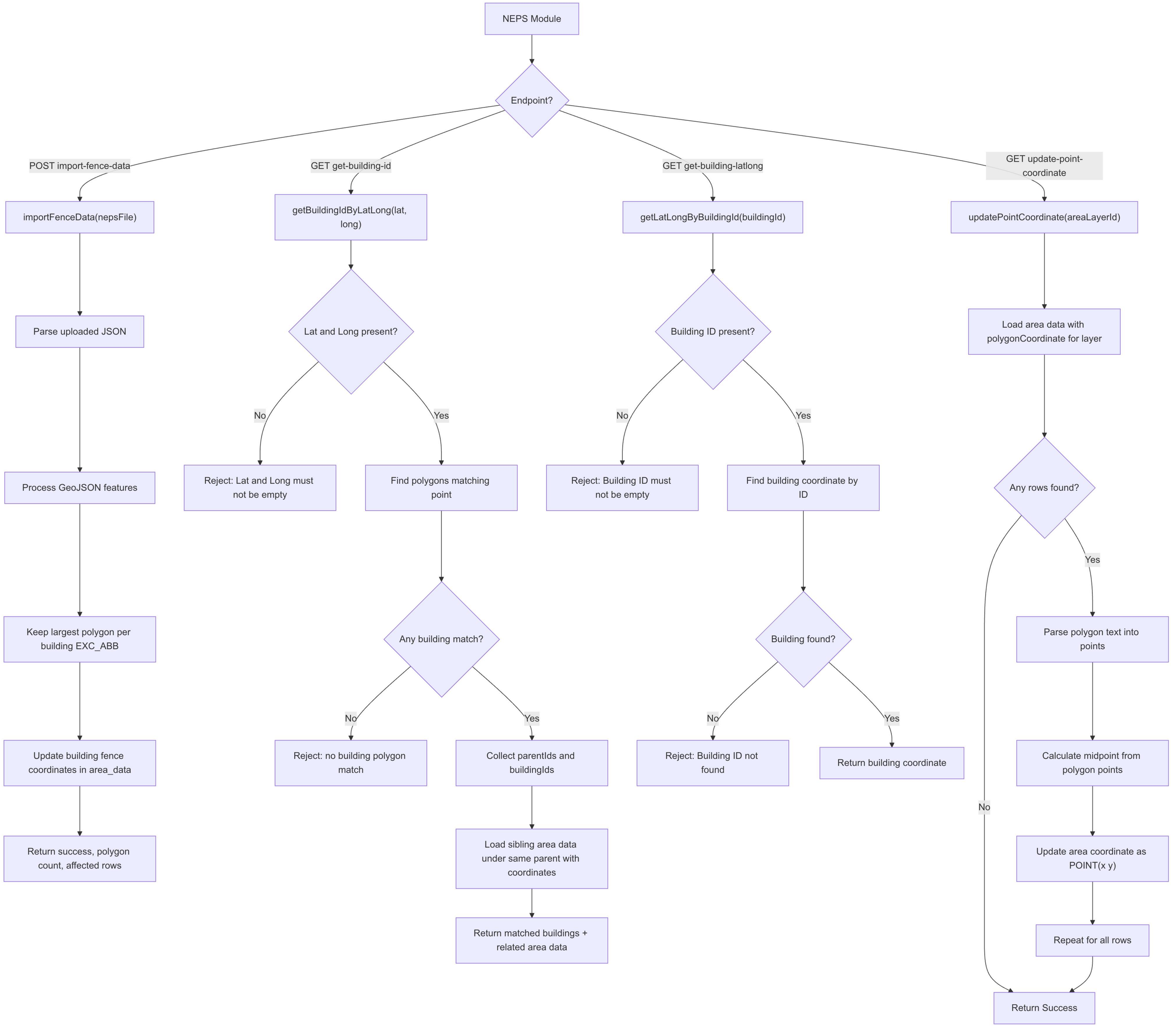
NEPS Module
Endpoint?
POST import-fence-data
GET get-building-id
GET get-building-latlong
GET update-point-coordinate
importFenceData(nepsFile)
Parse uploaded JSON
Process GeoJSON features
Keep largest polygon per building EXC_ABB
Update building fence coordinates in area_data
Return success, polygon count, affected rows
getBuildingIdByLatLong(lat, long)
Lat and Long present?
No
Yes
Reject: Lat and Long must not be empty
Find polygons matching point
Any building match?
No
Yes
Reject: no building polygon match
Collect parentIds and buildingIds
Load sibling area data under same parent with coordinates
Return matched buildings + related area data
getLatLongByBuildingId(buildingId)
Building ID present?
No
Yes
Reject: Building ID must not be empty
Find building coordinate by ID
Building found?
No
Yes
Reject: Building ID not found
Return building coordinate
updatePointCoordinate(areaLayerId)
Load area data with polygonCoordinate for layer
Any rows found?
Yes
No
Parse polygon text into points
Calculate midpoint from polygon points
Update area coordinate as POINT(x y)
Repeat for all rows
Return Success