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|  | **Module File Name in**  **qn-mhp-modules 6.8.24** | **Line #**  **in QN-MHP-6-11-24** | **Sections/Subsections**  **In QN-MHP-6-11-24** |
| 1 | \_init\_.py | L1-28 | 1. setup |
| 2  3 | gui\_general.py  (L30-687: 2.1+2.2)  gui\_for\_be.py (2.3) | L30-2093  L32-71  L74-687  L689-2092 | 2. No section name    2.1 GUI Data Record  2.2 General GUI classes  2.3 BE specific GUI |
| 4  5  6 | qn\_mhp\_layout.py  (for 3.1 + 3.2)  animation\_general.py (for 3.3)  animation\_be.py  (needs to “import animation-general.py” in it) (for 3.4) | L2094-3218  L2097-2130  L2133-2454  L2455-2576  L2579-3218 (some codes are commented out; Do NOT delete any line!) | 3. Structure & animation  3.1 structure and  animation window  definition  3.2 structure and  animation (QN-MHP layout structure only, right?)  3.3 entity animation (general functions: show, enter, leave, add, delete)  3.4 model reaction  animation GUI  (BE-specific) |
| 7  8  9  10. | model.py  (include 4.1-4.6)  need to  import basic\_be.py and compound\_be.py  (see below)  (need to import other related files!)  (think about future/further modularization)  basic\_be.py (4.7)  compound\_be.py (4.7)  entity\_gen.py | L3220-6171  L3213-3254 L3257-3301  L3303-3312  L3315-3340  L3343-3571  L3578-3640    L3660-4520 L4587-4646 (“count”)  L4522-4585 (“look\_for”)  L4649-5555  L5540-6187 | 4. ENGINE  4.1 engine parameters  4.2 data record for specific BE  4.3 data record for sojourn time,  used in plot section  4.4. retrieve/save data from GUI,  used in engine part  4.5 Servers  4.6 engine core/engine ignition  4.7 BEs (its first part + count)  4.7 BEs (its second part - count)  4.8 entity generation (for BEs) |
| 11. | plot.py | L6190-6369 | 5. Plot |