**Responsibilities, Roles and Elements Table**

Objective: Deriving a system design down to hardware and software components from a Requirements Specification and Use Cases.

1. Analysis Step: From Use Cases, identify all responsibilities and assign them to roles**, which are general names for what module owns each responsibility.** Then decide if hardware, software, or both **high-level** “elements” are required to perform those responsibilities. **Note: well-written use cases in active voice, strictly in terms of what the system will do, enable direct copy from Use Cases to your Responsibilities column. All Elements should be nouns, some with generic descriptors that capture the essence of the responsibilities.**
2. Representation Step: Once you complete your RRE table, depict the hardware and software in a single System Diagram with labeled connecting lines where there is data flow. (Circles = software; rectangles = hardware)
3. Verification: Walk through each Use Case and ensure there is a connected path in the diagram that would accomplish each use case.

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| Use Case Reference | Responsibilities | Roles  (Submodules) | HW Element, SW Element, or Both |
| 1.1 Power On | Convert 120V AC Power to 12V DC and 5V DC | Power Manager | HW – AC/DC power converter |
| 1.1 Power On | System runs diagnostics | Power Manager | SW – Power On Self Test (POST) |
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