Use Case Verifiability Checklist

1. Traceablity

☐ 1.1 Is *every* applicable requirement reflected in the steps?

☐ 1.2 Do all steps that refer to entities, attributes, or fields reference the corresponding requirement document sections?

☐ 1.3 Does each cited reference point to source material that is meaningful and adequate for verification?

2. Preciseness

☐ 2.1 Does the use case have a title and unique identifier?

☐ 2.2 Are all steps and paths within a scenario clearly expressed and unambiguous?

☐ 2.3 Are applicable values and ranges supplied for all constraints and fields?

☐ 2.4 Is this use case expressed at the applicable level of detail?

☐ 2.5 Is *each step* in the use case individually verifiable in terms of appropriate actor actions or system responses?

3. Completeness

☐ 3.1 Does the use case have one clearly defined, verifiable goal that is concisely reflected in the use case description?

☐ 3.2 Does the use case clearly identify all involved actors?

☐ 3.3 Does the use case list conditions that must always be true while the use case is enacted? (Invariant.)

☐ 3.4 Does the use case account for pre-conditions?

☐ 3.5 Does the use case account for alternate paths, which accomplish the same goal?

☐ 3.6 Does the use case account for the actor quitting? (Abandonment.)

☐ 3.7 Does the use case account for things going wrong and recovering? (Errors.)

☐ 3.8 Does the use case account for cases where it is impossible to recover? (Exceptions.)

☐ 3.9 Does the use case reference or list all business rules that must be enforced?

☐ 3.10 Does the use case identify all post-conditions associated with leaving the use case?

☐ 3.11 Does the use case explicitly list every GUI field shown to an actor?

☐ 3.12 Are all required flowcharts, diagrams, pictures, graphs, tables, and/or charts provided?

4. Understandability

☐ 4.1 Does the use case internally address a specific and consistent level of detail (Business, System, or Software)?

☐ 4.2 Is it obvious for each entity what attributes can be modified and when?

☐ 4.3 Are all the terms and acronyms used in the steps clear to readers who may be without domain knowledge?

☐ 4.4 Are all provided flowcharts, diagrams, pictures, graphs, tables, and/or charts comprehensible?

☐ 4.5 Do all references include a title, which helps the reader understand the nature of the reference?

Use Case Strata Diagram