To instantiate the given safety case pattern for a General Purpose Computing Architecture (GPCA) system and represent it in a hierarchical tree format, let's assume specific placeholders and values for the context, goals, solutions, and properties.

Let's define the following placeholders:

- {system} = "GPCA System"

- {operational hazard} = "data corruption"

- {scenario} = "high CPU load scenario"

- {spec} = "data integrity check"

- {property} = "checksum validity"

- {Source} = "design specification"

Now, let's build the hierarchical tree for the instantiated safety case:

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Goal (G1, Operational safety is verified in GPCA System)

- Strategy (S1, Argument over the satisfaction of all specs over GPCA System)

- Context (C1, All specs are given by allInstances())

- Goal (G2, All operational hazards are mitigated)

- Strategy (S2, Argument over reliability in all suitable levels of GPCA System)

- Strategy (S3, Argument over operational hazards)

- Context (C2, Operational hazards are given by allInstances())

- Goal (G3, data corruption is mitigated)

- Strategy (S4, Argument over the applied scenarios of data corruption)

- Context (C3, All related scenarios are given by data corruption)

- Goal (G4, data corruption is mitigated under high CPU load scenario)

- Strategy (S5, Argument over all specs related to high CPU load scenario)

- Context (C4, All related specs are given by high CPU load scenario.spec.allInstances())

- Goal (G5, data integrity check is appropriate for high CPU load scenario)

- Strategy (S6, Argument the appropriateness of data integrity check over properties)

- Context (C5, Properties are given by data integrity check.property.allInstances())

- Goal (G6, checksum validity is appropriate for data integrity check)

- Strategy (S7, Argument over the source of the checksum validity definition)

- Context (C6, Source is given by checksum validity.source)

- Goal (G7, design specification is appropriate and trustworthy)

- Solution (Sn1, design specification)

- Goal (G8, checksum validity definition is sufficient)

- Solution (Sn2, checksum validity)

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By following the hierarchical tree structure defined by the predicates and with the placeholders instantiated, we've built a clear assurance case for the operational safety of a GPCA system. Each goal, strategy, context, and solution relate to their specific elements and levels, reflecting the depth and interdependencies of the assurance case.