To instantiate the safety case pattern of the General Purpose Control Architecture (GPCA) system while utilizing the predicate structure provided, we assume specific instances are being used for placeholders mentioned in the pattern. Below is an illustration of a hypothetical safety case organized in hierarchical tree format using placeholders specific to a GPCA system, for instance, where the system is in a hospital medication delivery setting.

Here is the instantiated hierarchy:

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- Goal (G1, "Operational safety is verified in the hospital medication delivery system")

- Strategy (S1, "Argument over the satisfaction of all specs over the hospital medication delivery system")

- Context (C1, "All specs are given for hospital medication delivery")

- Goal (G2, "All operational hazards are mitigated")

- Strategy (S3, "Argument over operational hazards")

- Context (C2, "Operational hazards are identified through a risk assessment process")

- Goal (G3, "Drug overdose hazard is mitigated")

- Strategy (S4, "Argument over the applied scenarios of the drug overdose hazard")

- Context (C3, "All related scenarios are derived from the drug overdose hazard")

- Goal (G4, "Drug overdose hazard is mitigated under power failure scenario")

- Strategy (S5, "Argument over all specs related to power failure scenario")

- Context (C4, "All related specs are defined for power failure")

- Goal (G5, "Drug delivery accuracy spec is appropriate for power failure scenario")

- Strategy (S6, "Argument over the appropriateness of drug delivery accuracy spec over properties")

- Context (C5, "Properties are defined for drug delivery accuracy spec")

- Goal (G6, "Accuracy property is appropriate for drug delivery accuracy spec")

- Strategy (S7, "Argument over the source of accuracy property definition")

- Context (C6, "Source is given by safety standards")

- Goal (G7, "Accuracy source is appropriate and trustworthy")

- Solution (Sn1, "Safety standard documentation")

- Goal (G8, "Accuracy property definition is sufficient")

- Solution (Sn2, "Technical property measurement report")

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This case utilizes specific names and scenarios that could be applicable to a GPCA system employed in hospital settings. The hierarchical format uses indentations, signified by dashes to show structure depth, representing the relationships between different nodes. Each node's relationships and contexts are directly associated with its respective connected elements as per predicates. This example ensures completeness and clarity to those analyzing the safety properties of the control system.