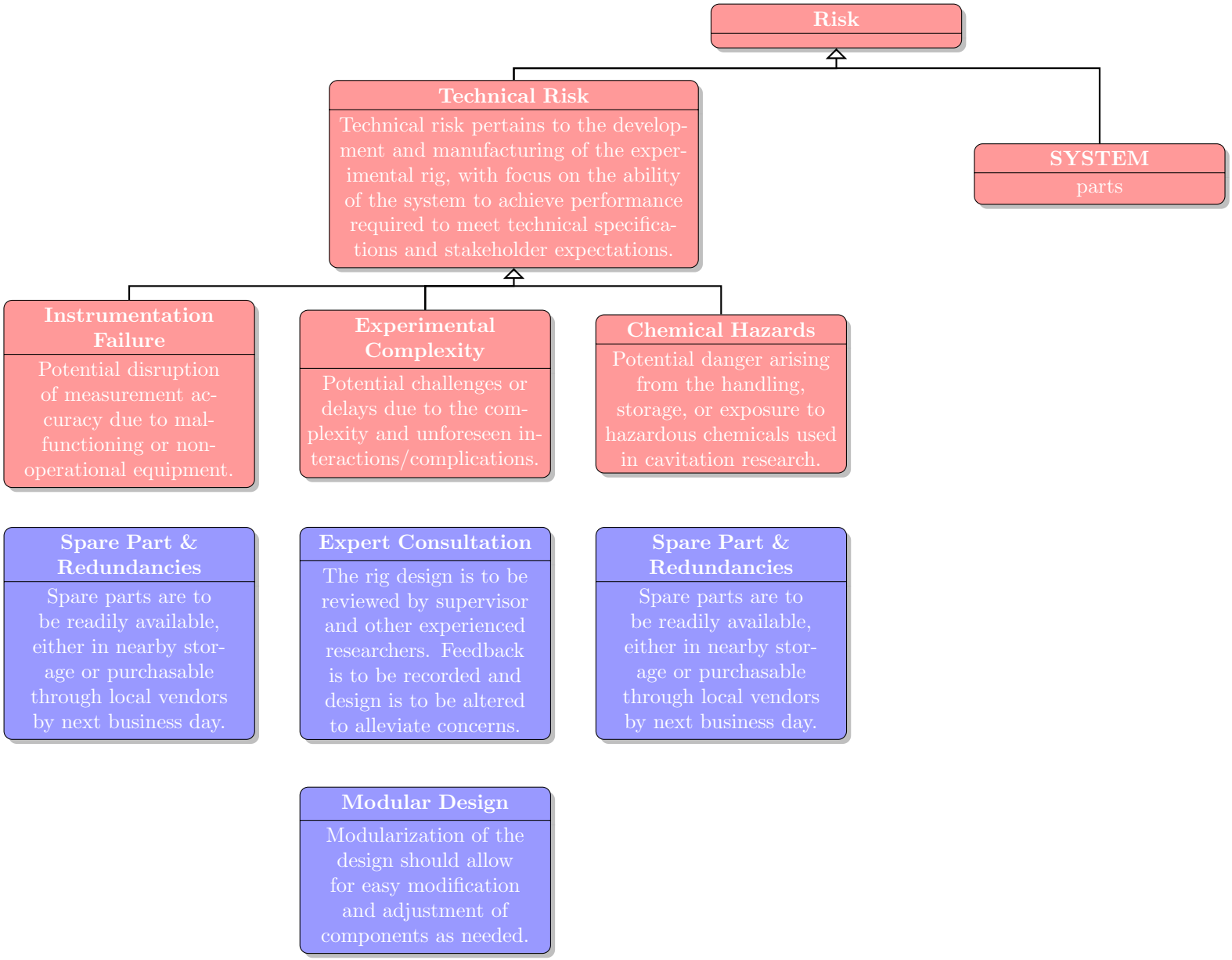
Risk
Technical Risk
Technical risk pertains to the development and manufacturing of the experimental rig, with focus on the ability of the system to achieve performance required to meet technical specifications and stakeholder expectations.
SYSTEM
parts
Instrumentation Failure
Potential disruption of measurement accuracy due to malfunctioning or non-operational equipment.
Experimental Complexity
Potential challenges or delays due to the complexity and unforeseen interactions/complications.
Chemical Hazards
Potential danger arising from the handling, storage, or exposure to hazardous chemicals used in cavitation research.
Spare Part & Redundancies
Spare parts are to be readily available, either in nearby storage or purchasable through local vendors by next business day.
Expert Consultation
The rig design is to be reviewed by supervisor and other experienced researchers. Feedback is to be recorded and design is to be altered to alleviate concerns.
Spare Part & Redundancies
Spare parts are to be readily available, either in nearby storage or purchasable through local vendors by next business day.
Modular Design
Modularization of the design should allow for easy modification and adjustment of components as needed.