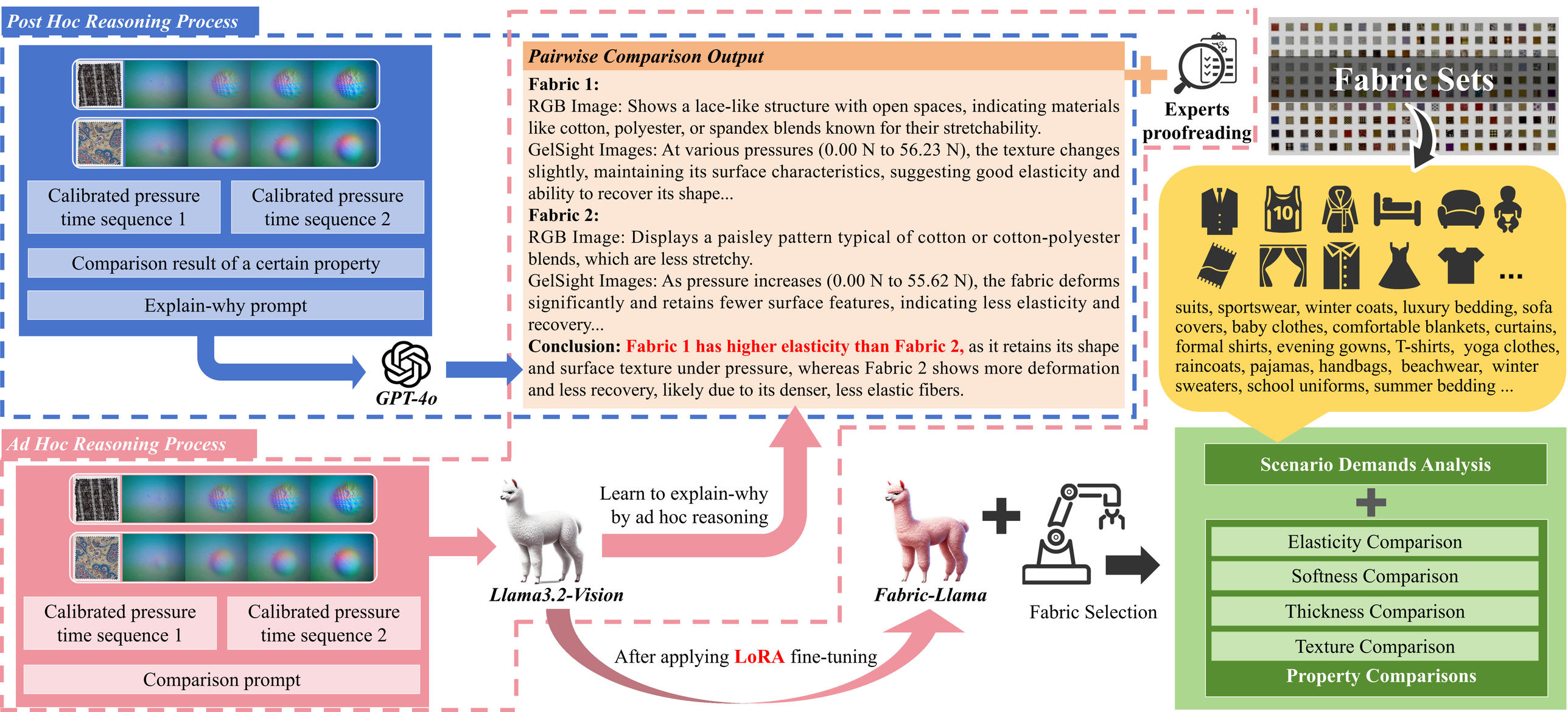
Post Hoc Reasoning Process
Calibrated pressure time sequence 1
Calibrated pressure time sequence 2
Comparison result of a certain property
Explain-why prompt
GPT-4o
Pairwise Comparison Output
Fabric 1:
RGB Image: Shows a lace-like structure with open spaces, indicating materials like cotton, polyester, or spandex blends known for their stretchability.
GelSight Images: At various pressures (0.00 N to 56.23 N), the texture changes slightly, maintaining its surface characteristics, suggesting good elasticity and ability to recover its shape...
Fabric 2:
RGB Image: Displays a paisley pattern typical of cotton or cotton-polyester blends, which are less stretchy.
GelSight Images: As pressure increases (0.00 N to 55.62 N), the fabric deforms significantly and retains fewer surface features, indicating less elasticity and recovery...
Conclusion: Fabric 1 has higher elasticity than Fabric 2, as it retains its shape and surface texture under pressure, whereas Fabric 2 shows more deformation and less recovery, likely due to its denser, less elastic fibers.
Experts proofreading
Fabric Sets
suits, sportswear, winter coats, luxury bedding, sofa covers, baby clothes, comfortable blankets, curtains, formal shirts, evening gowns, T-shirts, yoga clothes, raincoats, pajamas, handbags, beachwear, winter sweaters, school uniforms, summer bedding ...
Ad Hoc Reasoning Process
Calibrated pressure time sequence 1
Calibrated pressure time sequence 2
Comparison prompt
Llama3.2-Vision
Learn to explain-why by ad hoc reasoning
After applying LoRA fine-tuning
Fabric-Llama
Fabric Selection
Scenario Demands Analysis
Elasticity Comparison
Softness Comparison
Thickness Comparison
Texture Comparison
Property Comparisons