**Retrospective Document**

URBAN LADDER AUTOMATION SUITE

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| Role | Quality Assurance Interns | Batch Trainer |  |

Table: Group Description

# Goals Achieved

 Designed and implemented a modular automation framework using POM with Page Factory

 Automated key user flows across Urban Ladder including add to cart feature, buying sofas and recliners and tracking order.

 Enabled data-driven testing using Excel, XML, and Properties

 Integrated detailed reporting via Allure Reports

 Executed scripts successfully across Chrome and Edge browsers

# What Went Well

 **Team Collaboration**: Strong ownership and coordination among members; tasks distributed effectively

 **Technical Execution**: Effective use of Selenium, TestNG, and Cucumber to structure and execute feature scenarios

 **BDD Adoption**: Clear and readable Gherkin scenarios improved test clarity and reusability

 **Reporting and Debugging**: Failures were easy to trace with screenshot logs and scenario tagging

 **Version Control**: GitHub used seamlessly for branching, merging, and tracking changes

# Challenges Faced

 Synchronization issues with dynamic web elements required refined wait strategies

 Some external links and navigations varied in behaviour across browsers

 Excel data parsing required special handling for numeric field types and formatting

 Some links on the website are broken

 The website had inconsistent loading times, especially for pages with dynamic content. This required implementing **explicit waits** to ensure elements were interactable before performing actions.

# Lessons Learned

 Applying the **Software Testing Life Cycle (STLC)** in a real project context brought deeper understanding

 Team-based development accelerated learning and improved exposure to advanced automation concepts

 Exposure to Agile practices like weekly planning, review, and task rotation enhanced ownership