**Test Plan**

Application : **Automation Test Store** (https://automationteststore.com/)

**Test Strategy**

1. **Test Approach**

* Frontend Testing : Manual + Playwright (Automation)
* Backend Testing : Postman (Manual) + Playwright( Automation)
* Mobile : Manual
* Cross Browser/Platform : Chrome, Firefox (Web) ;

Android 15, iOS 18 (Mobile)

1. **Risk Assessment and Mitigation**

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| **Risk** | **Imapact** | **Mitigation Strategy** |
| Changing Requirements and Lack of standardized testing process | High | Use Agile Model |
| Delay in Build release | High | Inform Stakeholders, Clients and the team |
| Resource Risk | Medium | Considering only the required Features for the release |
| Lack of Automation Test Coverage | Medium | Prioritize important business flows |

1. **Test Environment Requirements**

* Web Browsers : Latest Chrome, Firefox
* Mobile Devices : Android 14+, iOS 16+
* Test Frameworks : Playwright (Web/API)
* API Testing : Postman
* CI/CD : Jenkins
* Test Data : Dummy Accounts

1. **Tools Recommendation**

* Web Automation : Playwright
* API Testing : Postman/Playwright
* Test case Management : Google Sheets
* Bug Tracking : JIRA
* CI/CD : Jenkins
* Reporter : Allure/ HTML

1. **Timeline Estimation**

* Test Planning and Test data : 0.5 day
* Test Case Writing : 0.5 day
* Bug Reporting : 0.5 day
* Automation : 1 day
* Presentation : 1 day