Tech stack used:

1. Maven – The ease of adding dependencies to the project. It enables sharing the project very easy, when imported as a maven project the dependencies are added to the project automatically which gives flexibility to the users.
2. WebDriver – A proven framework for UI automation.
3. TestNG – TestNG goes very well with Selenium Java WebDriver. Provides the convenience to run based on groups.
4. Extent Reporting -
5. Log4j – the logging functionality is easy to plug and use with Java.

Framework choice:

Page Factory model

Extent Reporting:

Renders a very nice dashboard, which shows granular level details in case user wishes to drill down into the results. On failure shows the full stack trace

