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Module 9: Basic knowledge of TA Frameworks: Layers, Runner, Business Objects (Java)

## home task

**To build test automation framework based on the task Hardcore from the WebDriver course.**

**The framework should have:**

1. WebDriverManager for managing drivers for different browsers;
2. PageObject / PageFactory for abstract pages;
3. Necessary business model (business objects for dedicated entities);
4. Property files with test data for different environments (at least 2);
5. XML suites for Smoke and Regression tests;
6. Possibility to make a screenshot in case of test failure; The log should have information about the saved screenshot in this case
7. Ability of running on Jenkins with parameters for browser, test suite, environment;
8. Add logging of every step (with log4j or any similar lib) for your solution implemented based on previous modules.
   1. Configure logs format in informative way
   2. Demonstrate usage of different log levels (debug, action, error, etc)
   3. Configure ability to write logs in console and to save logs in a file (a new file should be created for each day). By default logs are written in console and are stored in file.
9. Test results should present on job graphics, and screenshots should be archived as artifacts.

## Bonus TAsk

1. Implement your test scenario (or part of it, if it is possible) using some ready-made Selenium wrapper/framework (e.g. Selenide, Serenity, JDI, HtmlElements, etc)
2. Use highlighting of elements during test execution. If any action is performed on any element during test execution, this element should be highlighted.

## acceptance criteria

Match every point from home task is considered as acceptance criteria.