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Module 5: WebDriverJS (Protractor) Basics + Locators

## home task

1. WebdriverJS

* Select a system under test (preferable: web application being tested during your project activities, another option – to use any EPAM service (Heroes, Grow, Time, etc.).
* Agree with your mentor and document a scenario to automate. The scenario should be linear (no need to implement complex logic for now) and contain 8-10 simple steps (open a page, send keys, click, etc);
* Use WebDriver API as much as possible (browser navigation, clicks, switchTo and etc.);
* Use several locator strategies i.e. different types of locators (and select the most suitable in your case);
* Experiment with waits (implicit and explicit).

1. Protractor

* Select a system under test (preferable: web application being tested during your project activities, or SUT can be selected here <https://www.madewithangular.com/>, , another option – to use any EPAM service (Heroes, Grow, Time, etc.);
* Agree with your mentor and document a scenario to automate. The scenario should be linear (no need to implement complex logic for now) and contain 8-10 simple steps (open a page, send keys, click, etc);
* Use Protractor API as much as possible (browser navigation, clicks, switchTo and etc.);
* Use several locator strategies i.e. different types of locators (and select the most suitable in your case);
* Experiment with Expected Conditions.
* Use different settings in protractor configuration file.
* Implement case of using Protractor on non-Angular page.

## Bonus TAsk

Install Firefox, Selenium IDE. Create a script that will:

1. Open Google Search;
2. Search for ‘Banana Song’;
3. Find a Youtube link (‘href’ contains ‘youtube.com’) with ‘Despicable Me’ in the text, follow this link;
4. Assert that we are on Youtube site (page title);
5. Assert that video was watched more than 50 million times (regex will help you). Note: Russian and English localizations have different format of ‘viewed’ number, the script should work whatever.

Save a script as “<YOUR\_NAME>\_BANANA.html” to your homework directory.

## acceptance criteria

1. The scenario is linear (no need to implement complex logic for now)
2. Different locator strategies are used for both tasks.
3. WebDriver and Protractor API are widely used.
4. Different methods of waits are used.
5. There is a test scenario, which tests a non-Angular page (for Protractor task).
6. Test scenarios are clear, stable and good structured.
7. Each method in test scenario has assertions.
8. Test scenarios correspond to the agreed one.