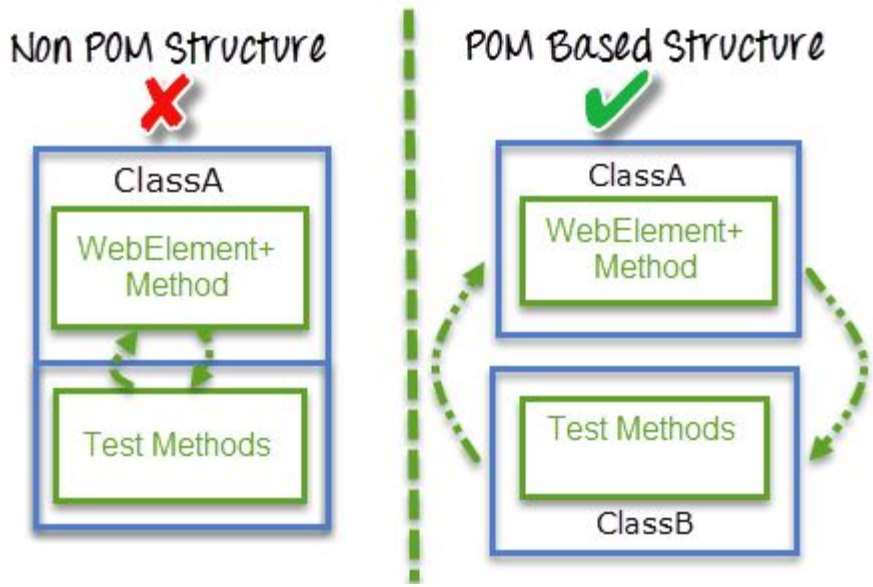
iamneo

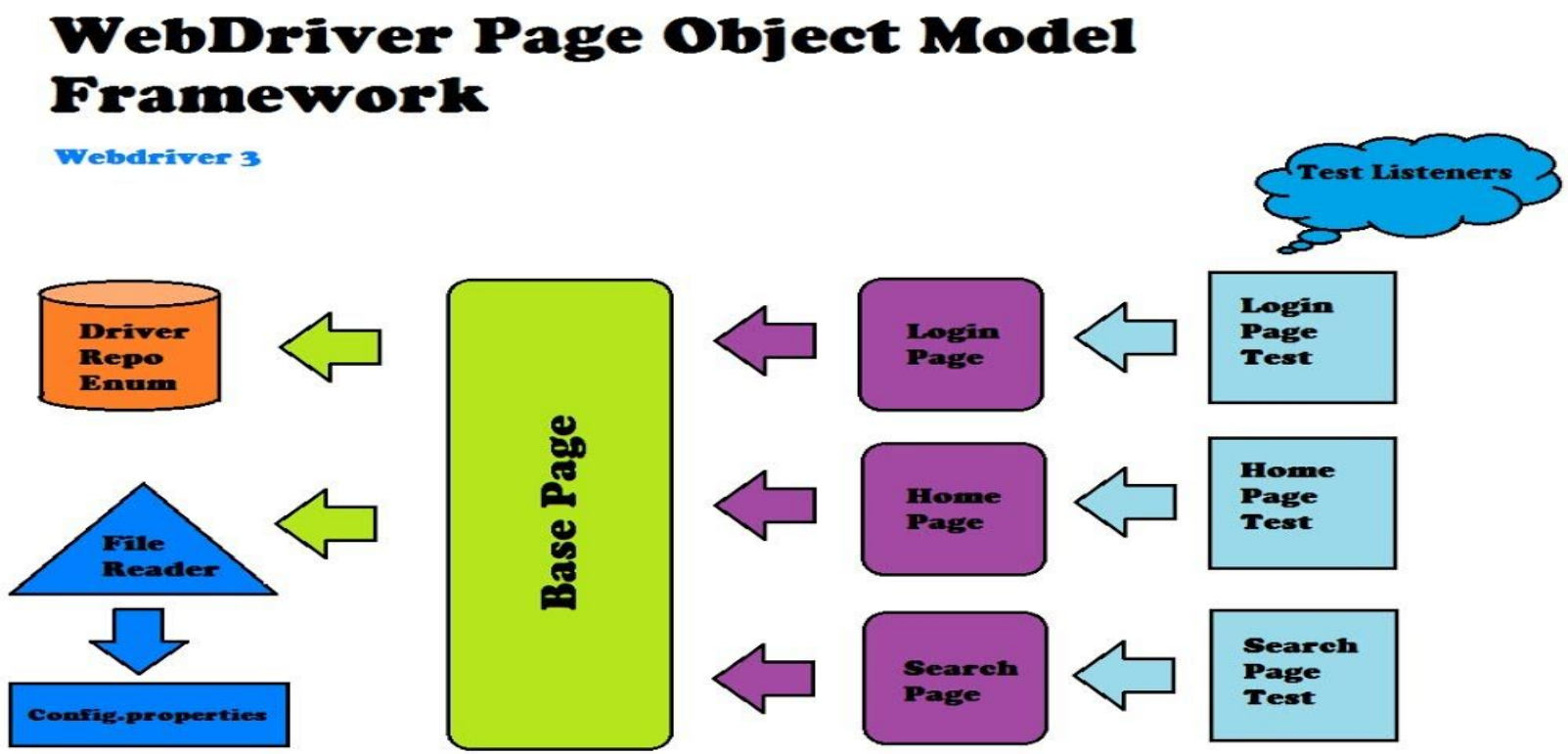
Page Object Model

Introduction to Page Object Model

- ✔ Page Object Model (POM) is a design pattern, popularly used in test automation that creates Object Repository for web UI elements. The advantage of the model is that it reduces code duplication and improves test maintenance



Page Object Model



@FindBy Annotation

- ✔ The @FindBy annotation is used in Page Objects in Selenium tests to specify the object location strategy for a WebElement or a list of WebElements
- ✔ Using the PageFactory, these WebElements are usually initialized when a Page Object is created.
- ✔ The @FindBy annotation is used to locate one or more WebElements using a single criterion

@FindBy Annotation with examples

```
public class GooglePage
{
    @FindBy(how = How.NAME, using = "q")
    private WebElement searchBox;
    public void searchFor(String text)
    {
        searchBox.sendKeys(text);
        searchBox.submit();
    }
}
```

Advantages of Page Object Model

- ✔ According to Page Object Model, we should keep our tests and element locators separately, this will keep code clean and easy to understand and maintain.
- ✔ The Page Object approach makes test automation framework programmer friendly, more durable and comprehensive.
- ✔ Another important advantage is our Page Object Repository is Independent of Automation Tests.
- ✔ Test cases become short and optimized as we are able to reuse page object methods in the POM classes.
- ✔ Any change in UI can easily be implemented, updated and maintained into the Page Objects and Classes.
- ✔ The Page Object approach makes test automation framework programmer friendly, more durable and comprehensive.