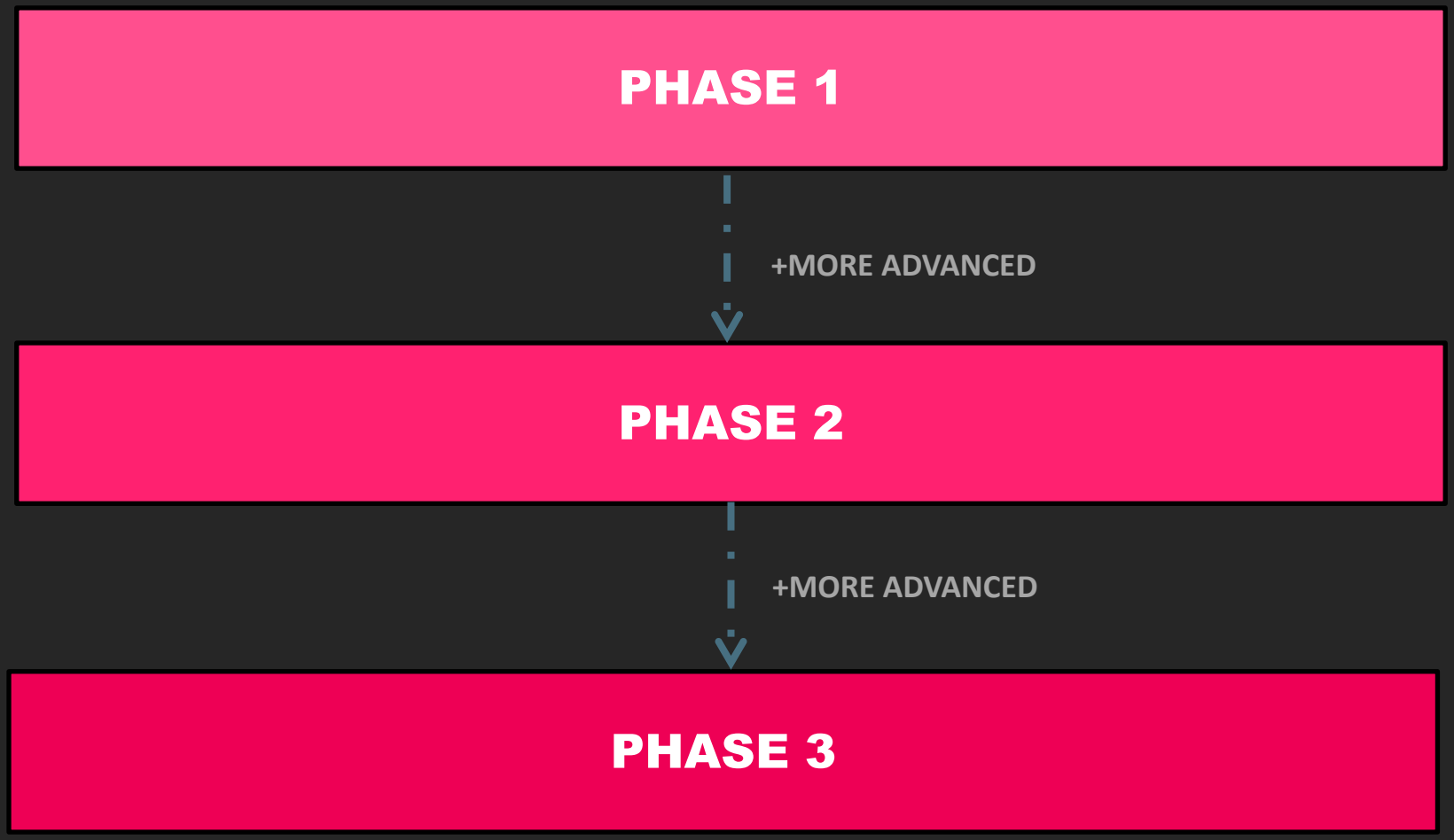
PAGE OBJECT MODEL (POM)



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PAGE OBJECT MODEL (POM)

PHASE 1

- Centralizing Selectors
- Improving our Existing Commands

contactUsTest.js

```
1  beforeEach(function() {
2    browser.url("/Contact-Us/contactus.html");
3  })
4
5  describe('Test Contact Us form WebdriverUni', function() {
6    //Define variables to store selector locators
7    var firstNameLocator = "[name='first_name']";
8    var lastNameLocator = "[name='last_name']";
9    var emailAddressLocator = "[name='email']";
10   var commentsLocator = 'textarea';
11   var successfulSubmissionLocator = '#contact_reply h1';
12   var unsuccessfulSubmissionLocator = 'body';
13   var submitButtonLocator = '#form_buttons .contact_button:nth-of-type(2)';
14
15     function setFirstName(firstName) {
16       return browser.setValue(firstNameLocator, firstName);
17     }
18
19     function setLastName(lastName) {
20       return browser.setValue(lastNameLocator, lastName);
21     }
22
23     function setEmailAddress(emailAddress) {
24       return browser.setValue(emailAddressLocator, emailAddress);
25     }
26
27     function setComments(comments) {
28       return browser.setValue(commentsLocator, comments);
29     }
```

Line 13, Column 76 Tab Size: 4 JavaScript

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PAGE OBJECT MODEL (POM)

PHASE 2

- Creating Separate POM Classes (ABSTRACTION)
- Link Tests with the POM Classes
- Directly call POM Commands via Tests

ContactUs_Page.js

```
4
5  class ContactUs_Page {
6      get firstName() { return $("[name='first_name']"); }
7      get lastName() { return $("[name='last_name']"); }
8      get comments() { return $('textarea'); }
9      get emailAddress() { return $("[name='email']"); }
10     get submitButton() { return $('#form_buttons .contact_button:nth-o
11     get successfulSubmissionHeader() { return $('#contact_reply h1');
12     get unsuccessfulSubmissionHeader() { return $('body'); }
```

contactUsTest.js

```
1  var ContactUs_Page = require('./ContactUs_Page.js');
2
3  beforeEach(function() {
4    browser.url("/Contact-Us/contactus.html");
5  })
6
7  describe('Test Contact Us form WebdriverUni', function() {
8    function setFirstName(firstName) {
9      return ContactUs_Page.firstName.setValue(firstName);
10   }
11
12   function setLastName(lastName) {
13     return ContactUs_Page.lastName.setValue(lastName);
```

Line 1, Column 1 Spaces: 2

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PAGE OBJECT MODEL (POM)

PHASE 3

Centralizing all Selectors & Commands inside the POM Class (FURTHER ABSTRACTION)

Simplifying Tests by applying all concepts from Phase 1, 2 & 3

ContactUs_Page.js

```
43  submitAllInfomationViaContactForm(firstName, lastName, emailAddress,
44    if(firstName) {
45      this.firstName.setValue('Joe');
46    }
47    if(lastName) {
48      this.lastName.setValue('Blogs');
49    }
50    if(emailAddress) {
51      this.emailAddress.setValue('joe.blogs@outlook.com');
```

contactUsTest.js

```
7  describe('Test Contact Us form WebdriverUni', function() {
8    it('Should be able to submit a successful submission via contact us
9      ContactUs_Page.setFirstName();
10     ContactUs_Page.setLastName();
11     ContactUs_Page.setEmailAddress();
12     ContactUs_Page.setComments();
13     ContactUs_Page.clickSubmitButton(); //contactUs.submitButton.click
14     ContactUs_Page.confirmSuccessfulSubmission();
15   });
```

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