**FOR THE MANDATORY EXERCISE (100pts)**

**URL:** http://www.way2automation.com/angularjs-protractor/banking/#/login

**APP TYPE:** Angular Site

**INSTRUCTIONS:**

1) Configuration Setup(5pts)

- Multi-browser should be configured for chrome and firefox with 2 instances each.

2) Create test scripts using POM (ES5/ES2009).

3) Functional and E2E test case should be in separate spec file (1 functional and 1 e2e spec file).

**Functional Test - 1 Spec file**

Test Case #1 (10pts)

1) Navigate to manager page

2) Verify the add customer, open account and customers button

3) Navigate to Add customer page via add customer button

4) Verify firstname, lastname, postcode and addcustomer button are enabled.

5) Add new customer

6) Verify alert message is displayed

Test Case #2 (25pts)

1) Navigate to manager page

2) Verify the add customer, open account and customers button

3) Navigate to Open account page via open account button

4) Verify the customers, currency and process button are enabled

5) Select the first customer in the list

6) Select the last currency in the list

7) Process the account

8) Verify alert message is displayed

Test Case #3 (10pts)

1) Navigate to manager page

2) Verify the add customer, open account and customers button

3) Navigate to Customers page via customers button

4) Search for 'Harry'

5) Delete 'Harry' account

6) Verify 'Harry' not existing in the list

**End-to-end Test - 1 spec file**

Test Case #1 (50pts)

1) Navigate to manager page

2) Verify the add customer, open account and customers button

3) Navigate to Add customer page via add customer button

4) Verify firstname, lastname, postcode and addcustomer button are enabled.

5) Add new customer

6) Verify alert message is displayed

7) Navigate to Customers page via customers button

8) Search for the created customer on the list

9) Verify that there is no account number for the newly created customer

10) Navigate to Open account page via open account button

11) Verify the customers, currency and process button are enabled

12) Select the newly created customer in the list

13) Select random currency in the list

14) Process the account

15) Verify alert message is displayed

16) Navigate to Customers page via customers button

17) Search for the created customer on the list

18) Verify the account number is present for the newly created customer

19) Delete the account

**FOR THE OPTIONAL EXERCISE 1 (+10pts)**

**URL:** http://magenicautomation.azurewebsites.net/

**APP TYPE**: Non-Angular Site

**INSTRUCTIONS:**

1) Configuration Setup

- Execute in chrome browser only

2) Create test scripts using POM (ES5/ES2009)

**Functional Test**

Test Case #1

1) Navigate to department page

2) Navigate to create new department page

3) Create department

4) Verify the newly created department in the list

5) Delete the created department

**FOR THE OPTIONAL EXERCISE 2 (+10pts)**

**URL:** http://magenicautomation.azurewebsites.net/

**APP TYPE**: Non-Angular Site

**INSTRUCTIONS:**

1) Configuration Setup

- Execute in chrome browser only

2) Create test scripts using POM (ES5/ES2009)

**Functional Test**

Test Case #1

1) Navigate to employee page

2) Check if the employee to be added is in the list

a) If YES, Delete the employee

3) Create an employee with the following:

a) Select Random State

b) Select Quality Engineering

4) Verify the newly added employee in the list

5) Delete the newly added employee