6. Report

Change codes in configuration file (conf.js)

```js
var jsonReportFile = 'protractor-report/cucumber_report.json';
exports.config = {
    seleniumAddress: 'http://localhost:4444/wd/hub',

    framework: 'custom',
    frameworkPath: require.resolve('protractor-cucumber-framework'),

    specs: [
        'demo/features/*.feature'
    ],
    cucumberOpts: {
        require: ['hook.js','demo/steps/*_steps.js'],
        format: 'pretty'
    },
}
```

Add the codes to generate the report

create hook.js file

```javascript
var Cucumber = require("cucumber");
var fs = require("fs");
module.exports = function() {
    var outputDir = './report';
    this.After(function (scenario, callback) {
        if (scenario.isFailed()) {
            browser.driver.takeScreenshot().then(function (base64png) {
                var decodedImage = new Buffer(base64png,
'base64').toString('binary');
                scenario.attach(decodedImage, 'image/png');
                callback();
            }, function (err) {
                callback(err);
            });
        } else {
            callback();
        }
    });

    var createHtmlReport = function (sourceJson) {
        var CucumberHtmlReport = require('cucumber-html-report');
        var report = CucumberHtmlReport.create({
            source: sourceJson, // source json
            dest: outputDir // target directory (will create if not
exists)
        });
    };

    var JsonFormatter = Cucumber.Listener.JsonFormatter();
    JsonFormatter.log = function (string) {
        if (!fs.existsSync(outputDir)) {
            fs.mkdirSync(outputDir);
        }

        var targetJson = outputDir + '/cucumber_report.json';
        fs.writeFile(targetJson, string, function (err) {
            if (err) {
                console.log('Failed to save cucumber test results to
json file.');
                console.log(err);
            } else {
                createHtmlReport(targetJson);
            }
        });
    };

    this.registerListener(JsonFormatter);
}
```

Report

Print Report

cucumber

1 Features

2 Scenarios

Steps

2 Passed scenarios

0 Failing scenarios

Passed steps

Failing steps

Skipped steps

Status Passed

Create Customer Feature

Create the customer
successfully

Create the customer
successfully

As a user of XYZ Bank, I want to open an account So that I have to create an account firstly

Scenario: Create the customer successfully

Condition	Step	Line	Duration	Status
Given	I open the website http://www.globalsqa.com/angularJs-protractor/BankingProject/#/manager/addCust	6	0.01 s	Passed
Then	I verify that add customer screen appears	7	0 s	Passed
When	I type first name as Thuy , last name as Nguyen , postcode as 05550	8	0.02 s	Passed
When	I click submit button	9	0 s	Passed
Then	I check the customer first name as Thuy , last name as Nguyen , postcode as 05550 has been existed in the customer list	10	0 s	Passed

Scenario: Create the customer successfully

Condition	Step	Line	Duration	Status
Given	I open the website http://www.globalsqa.com/angularJs-protractor/BankingProject/#/manager/addCust	13	0 s	Passed
Then	I verify that add customer screen appears	14	0 s	Passed
When	I type first name as Hong , last name as Ho , postcode as 05147	15	0 s	Passed
When	I click submit button	16	0 s	Passed
Then	I check the customer first name as Hong , last name as Ho , postcode as 05147 has been existed in the customer list	17	0 s	Passed

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