**package** pom\_utilities;

**import** java.io.File;

**import** java.io.IOException;

**import** java.text.SimpleDateFormat;

**import** java.util.Date;

**import** org.openqa.selenium.OutputType;

**import** org.openqa.selenium.TakesScreenshot;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.io.FileHandler;

**import** org.testng.ITestContext;

**import** org.testng.ITestListener;

**import** org.testng.ITestResult;

**import** com.aventstack.extentreports.markuputils.MarkupHelper;

**import** com.aventstack.extentreports.ExtentReports;

**import** com.aventstack.extentreports.ExtentTest;

**import** com.aventstack.extentreports.Status;

**import** com.aventstack.extentreports.markuputils.ExtentColor;

**import** com.aventstack.extentreports.reporter.ExtentHtmlReporter;

**import** com.aventstack.extentreports.reporter.configuration.ChartLocation;

**import** com.aventstack.extentreports.reporter.configuration.Theme;

**import** pom\_testcases.BaseClass;

**public** **class** TestList **extends** BaseClass **implements** ITestListener {

**public** ExtentHtmlReporter htmlReporter;

**public** ExtentReports extent;

**public** ExtentTest logger;

**static** String *timeStamp* = **new** SimpleDateFormat("yyyy.MM.dd.HH.mm.ss").format(**new** Date());

**public** **void** onStart(ITestContext testContext)

{

//time stamp

String repName="Test-Report-"+*timeStamp*+".html";

htmlReporter=**new** ExtentHtmlReporter(System.*getProperty*("user.dir")+ "/test-output/"+repName);//specify location of the report

htmlReporter.loadXMLConfig(System.*getProperty*("user.dir")+ "/extent-config.xml");

extent=**new** ExtentReports();

extent.attachReporter(htmlReporter);

extent.setSystemInfo("Host name","localhost");

extent.setSystemInfo("Environemnt","QA");

extent.setSystemInfo("user","shaiksha");

htmlReporter.config().setDocumentTitle("InetBanking Test Project"); // Tile of report

htmlReporter.config().setReportName("Functional Test Automation Report"); // name of the report

htmlReporter.config().setTestViewChartLocation(ChartLocation.***TOP***); //location of the chart

htmlReporter.config().setTheme(Theme.***DARK***);

}

**public** **void** onTestSuccess(ITestResult tr)

{

logger=extent.createTest(tr.getName()); // create new entry in th report

logger.log(Status.***PASS***,MarkupHelper.*createLabel*(tr.getName(),ExtentColor.***GREEN***)); // send the passed information to the report with GREEN color highlighted

}

**public** **void** onTestFailure(ITestResult tr)

{

logger=extent.createTest(tr.getName()); // create new entry in th report

logger.log(Status.***FAIL***,MarkupHelper.*createLabel*(tr.getName(),ExtentColor.***RED***)); // send the passed information to the report with GREEN color highlighted

//ITestContext context=tr.getTestContext();

//WebDriver driver=(WebDriver)context.getAttribute("driver");

**try** {

screenshot(*driver*,tr.getName());

} **catch** (IOException e1) {

e1.printStackTrace();

}

String screenshotPath=System.*getProperty*("user.dir")+"\\screenshots\\"+*timeStamp*+tr.getName()+".png";

File f = **new** File(screenshotPath);

**if**(f.exists())

{

**try** {

logger.fail("Screenshot is below:" + logger.addScreenCaptureFromPath(screenshotPath));

}

**catch** (IOException e)

{

e.printStackTrace();

}

}

}

**public** **void** onTestSkipped(ITestResult tr)

{

logger=extent.createTest(tr.getName()); // create new entry in th report

logger.log(Status.***SKIP***,MarkupHelper.*createLabel*(tr.getName(),ExtentColor.***ORANGE***));

}

**public** **void** onFinish(ITestContext testContext)

{

extent.flush();

}

**public** **void** screenshot(WebDriver driver,String imgname) **throws** IOException

{

//TakesScreenshot ts = (TakesScreenshot) driver;

//File source = ts.getScreenshotAs(OutputType.FILE);

//File target = new File( "./screenshots/" + imgname + ".png");

//FileUtils.copyFile(source, target);

File scr=((TakesScreenshot) driver).getScreenshotAs(OutputType.***FILE***);

**try** {

FileHandler.*copy*(scr,**new** File("./screenshots/"+*timeStamp*+imgname+".png"));

} **catch** (IOException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

System.***out***.println("Screenshot taken");

}

}