# DEPLOY APPLICATION ON CLOUD SOURCE CODE

Prepared By: kankanala sumanth babu

***SeleniumCloudTest.java***

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| package com.seleniumcloud.test;  import java.net.MalformedURLException; import java.net.URL;  import java.util.concurrent.TimeUnit;  import org.openqa.selenium.WebDriver; import org.openqa.selenium.chrome.ChromeOptions; import org.openqa.selenium.remote.RemoteWebDriver; import org.testng.annotations.AfterClass; import org.testng.annotations.BeforeClass; import org.testng.annotations.Test; public class SeleniumCloudTest { private WebDriver driver;  @BeforeClass public void setUp() throws  MalformedURLException {  ChromeOptions chromeOptions = new  ChromeOptions();  //chromeOptions.setCapability("browserVersion",  "89"); chromeOptions.setCapability("platformName", "Linux"); |
| driver = new RemoteWebDriver(new  URL("http://localhost:4444/wd/hub"), chromeOptions);  driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);    }      @Test public void sampleTest() {  System.out.println("Selenium Test Starts"); driver.get("https:[//www.swiggy.com"](http://www.swiggy.com/));  System.out.println("Selenium Test Success");  }      @AfterClass public void tearDown() { driver.quit();  }    } |

**--------------------------------------------------------------------------- Pom.xml**

<project xmlns[="http://maven.apache.org/POM/4.0.0"](http://maven.apache.org/POM/4.0.0)

xmlns:xsi=["http://www.w3.org/2001/XMLSchema-instance"](http://www.w3.org/2001/XMLSchema-instance) xsi:schemaLocation=["http://maven.apache.org/POM/4.0.0](http://maven.apache.org/POM/4.0.0)

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| [http://maven.apache.org/xsd/maven-4.0.0.xsd"](http://maven.apache.org/xsd/maven-4.0.0.xsd)>  <modelVersion>4.0.0</modelVersion>  <groupId>com.selenium.cloud</groupId>  <artifactId>SeleniumCloudProject</artifactId>  <version>0.0.1-SNAPSHOT</version>  <properties>  <maven.compiler.source>1.8</maven.compiler.source>  <maven.compiler.target>1.8</maven.compiler.target>  </properties>  <dependencies>  <!-- https://mvnrepository.com/artifact/org.seleniumhq.sel enium/selenium-java -->  <dependency>  <groupId>org.seleniumhq.selenium</groupId>  <artifactId>selenium-java</artifactId>  <version>3.141.59</version>  </dependency>  <!--  https://mvnrepository.com/artifact/org.testng/testng  -->  <dependency>  <groupId>org.testng</groupId>  <artifactId>testng</artifactId>  <version>6.14.3</version>  <scope>test</scope> | |
| </dependency>  </dependencies>  <build>  <plugins>  <plugin>  <groupId>org.apache.maven.plugins</groupId>  <artifactId>maven-surefire-plugin</artifactId>  <version>2.21.0</version>  <configuration>  <!-- TestNG Suite XML files list  for test execution -->  <suiteXmlFiles>    <suiteXmlFile>testng.xml</suiteXmlFile>    </suiteXmlFiles>  </configuration>  </plugin>  </plugins>  </build>  </project> |

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**Testing.xml**

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| <?xml version="1.0" encoding="UTF-8"?>  <!DOCTYPE suite SYSTEM "<http://testng.org/testng->1.0.dtd">  <suite name="Testing Swiggy App">  <test name="Regression"> <classes> |
| <class  name="com.seleniumcloud.test.SeleniumCloudTest"/>    </classes>  </test> </suite> |

**MavenWrapperDownloader.java**

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| import java.net.\*; import java.io.\*; import java.nio.channels.\*; import java.util.Properties;  public class MavenWrapperDownloader {    private static final String WRAPPER\_VERSION = "0.5.6";  /\*\*   * Default URL to download the maven-wrapper.jar from, if no 'downloadUrl' is provided.   \*/ private static final String DEFAULT\_DOWNLOAD\_URL = "https://repo.maven.apache.org/maven2/io/takari/maven- wrapper/"  + WRAPPER\_VERSION + "/maven-wrapper-" + WRAPPER\_VERSION + ".jar";    /\*\*   * Path to the maven-wrapper.properties file, which might contain a downloadUrl property to |

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| * use instead of the default one.   \*/ private static final String  MAVEN\_WRAPPER\_PROPERTIES\_PATH =  ".mvn/wrapper/maven-wrapper.properties";  /\*\*   * Path where the maven-wrapper.jar will be saved to.   \*/ private static final String MAVEN\_WRAPPER\_JAR\_PATH = ".mvn/wrapper/maven-wrapper.jar";  /\*\*   * Name of the property which should be used to override the default download url for the wrapper.   \*/ private static final String  PROPERTY\_NAME\_WRAPPER\_URL = "wrapperUrl";  public static void main(String args[]) {  System.out.println("- Downloader started");  File baseDirectory = new File(args[0]);  System.out.println("- Using base directory: " +  baseDirectory.getAbsolutePath());  // If the maven-wrapper.properties exists, read  it and check if it contains a custom // wrapperUrl parameter.  File mavenWrapperPropertyFile = new  File(baseDirectory, MAVEN\_WRAPPER\_PROPERTIES\_PATH); |

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| String url = DEFAULT\_DOWNLOAD\_URL; if(mavenWrapperPropertyFile.exists()) {  FileInputStream  mavenWrapperPropertyFileInputStream = null; try { mavenWrapperPropertyFileInputStream =  new FileInputStream(mavenWrapperPropertyFile);  Properties mavenWrapperProperties = new  Properties();  mavenWrapperProperties.load(mavenWrapperPropertyFileInpu tStream); url =  mavenWrapperProperties.getProperty(PROPERTY\_NAME\_WRAPPER  \_URL, url);  } catch (IOException e) {  System.out.println("- ERROR loading '" +  MAVEN\_WRAPPER\_PROPERTIES\_PATH + "'"); } finally { try {  if(mavenWrapperPropertyFileInputStream != null) {  mavenWrapperPropertyFileInputStream.close();  }  } catch (IOException e) {  // Ignore ...  }  }  } |

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| System.out.println("- Downloading from: " +  url);  File outputFile = new  File(baseDirectory.getAbsolutePath(),  MAVEN\_WRAPPER\_JAR\_PATH); if(!outputFile.getParentFile().exists()) { if(!outputFile.getParentFile().mkdirs()) {  System.out.println(  "- ERROR creating output  directory '" + outputFile.getParentFile().getAbsolutePath() + "'"); }  }  System.out.println("- Downloading to: " +  outputFile.getAbsolutePath()); try { downloadFileFromURL(url, outputFile);  System.out.println("Done");  System.exit(0);  } catch (Throwable e) {  System.out.println("- Error downloading"); e.printStackTrace(); System.exit(1);  } }  private static void downloadFileFromURL(String  urlString, File destination) throws Exception { if (System.getenv("MVNW\_USERNAME") != null &&  System.getenv("MVNW\_PASSWORD") != null) { |
| String username =  System.getenv("MVNW\_USERNAME"); char[] password =  System.getenv("MVNW\_PASSWORD").toCharArray();  Authenticator.setDefault(new Authenticator()  {  @Override protected PasswordAuthentication  getPasswordAuthentication() { return new  PasswordAuthentication(username, password);  }  });  }  URL website = new URL(urlString); ReadableByteChannel rbc;  rbc = Channels.newChannel(website.openStream()); FileOutputStream fos = new  FileOutputStream(destination); fos.getChannel().transferFrom(rbc, 0,  Long.MAX\_VALUE); fos.close(); rbc.close();  }    } |

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**VersionController.java**

package com.example.demo.controller;

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| import org.springframework.web.bind.annotation.GetMapping; import  org.springframework.web.bind.annotation.RestController;  @RestController  public class VersionController {  @GetMapping("/version") public String getVersion(){ return "1.0";  }  } |

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**ServletInitializer.java**

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| package com.example.demo;    import org.springframework.boot.builder.SpringApplicationBuilde r; import org.springframework.boot.web.servlet.support.SpringBootS ervletInitializer;  public class ServletInitializer extends SpringBootServletInitializer {    @Override protected SpringApplicationBuilder  configure(SpringApplicationBuilder application) { |
| return  application.sources(DemoApplication.class);  }    } |

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**DemoApplicationTest.java**

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| package com.example.demo;    import org.junit.jupiter.api.Test; import  org.springframework.boot.test.context.SpringBootTest;  @SpringBootTest  class DemoApplicationTests {  @Test void contextLoads() {  }    } |

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