package org.ResoluteAI;  
  
import org.apache.commons.io.FileUtils;  
import org.openqa.selenium.\*;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.interactions.Actions;  
import org.openqa.selenium.support.ui.ExpectedConditions;  
import org.openqa.selenium.support.ui.Select;  
import org.openqa.selenium.support.ui.WebDriverWait;  
import org.testng.Assert;  
import org.testng.annotations.AfterTest;  
import org.testng.annotations.BeforeTest;  
import org.testng.annotations.Test;  
  
import java.io.File;  
import java.io.IOException;  
import java.time.Duration;  
import java.util.concurrent.TimeUnit;  
  
import static java.lang.Thread.*sleep*;  
  
public class AssesmentAI {  
  
 public static WebDriver *driver*;  
  
  
 @BeforeTest  
 public static void init() {  
 System.*setProperty*("webdriver.chrome.driver", "C:\\Ani\\SeleniumTesting\\chromedriver.exe");  
 *driver* = new ChromeDriver();  
 *driver*.manage().window().maximize(); //To maximize the window  
 *driver*.get("https://facegenie-ams-school.web.app/");  
 }  
  
 @Test(description = "TC\_001-verify the login page with email and password", priority = 1)  
 public void loginTest() {  
  
 WebElement email = *driver*.findElement(By.*xpath*("//\*[@id=\"email\"]"));  
 email.sendKeys("testing@gmail.com");  
  
 WebDriverWait wait = new WebDriverWait(*driver*, Duration.*ofSeconds*(20));  
  
 WebElement password = *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/div[2]/div/div[1]/form[2]/div[2]/div/input"));  
 password.sendKeys("testing@123");  
  
 WebElement logBtn = *driver*.findElement(By.*xpath*("//\*[@id=\"root\"]/div/div[1]/div/div/div[2]/div/div[1]/form[2]/button"));  
 logBtn.click();  
  
 wait.until(ExpectedConditions.*visibilityOfElementLocated*(By.*xpath*("//\*[@id=\"root\"]/div/div[1]/div/div/main/div[2]/div/div/div/div[1]/p[1]")));  
  
 String expectedTitle = "Dashboard/ Home";  
 String actualTitle = *driver*.findElement(By.*xpath*("//\*[@id=\"root\"]/div/div[1]/div/div/main/div[2]/div/div/div/div[1]/p[1]")).getText();  
  
 System.*out*.println("-------------------");  
 System.*out*.println("Actual Title " + actualTitle);  
 System.*out*.println("Expected Title " + expectedTitle);  
 System.*out*.println("-------------------");  
 Assert.*assertEquals*(actualTitle, expectedTitle, "Not Logged In");  
  
 *driver*.manage().timeouts().implicitlyWait(20, TimeUnit.*SECONDS*);  
  
  
 }  
  
  
 @Test(description = "TC\_002-take a screen shot of the dashboard to verify", priority = 2)  
 public void dashboardScreenShot() throws IOException {  
 TakesScreenshot ts = (TakesScreenshot) *driver*;  
 File sourceFile = ts.getScreenshotAs(OutputType.*FILE*);  
 File destFile = new File("Screenshots/" + System.*currentTimeMillis*()  
 + ".png");  
 FileUtils.*copyFile*(sourceFile, destFile);  
  
  
 }  
  
  
 @Test(description = "TC\_003-Manage Students-ADD and download QR Code", priority = 3)  
 public void addStudent() throws IOException, InterruptedException {  
  
 WebElement manageStudents = *driver*.findElement(By.*xpath*("//\*[@id=\"root\"]/div/div[1]/div/div/div/div/nav/div[4]/div[2]/span"));  
 manageStudents.click();  
  
 WebElement addStudent = *driver*.findElement(By.*xpath*("//\*[@id=\"root\"]/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[1]/div[1]/button/p"));  
 addStudent.click();  
  
  
 WebElement admissionNo = *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[2]/div[1]/div/div/input"));  
 admissionNo.sendKeys("20");  
  
  
 WebElement firstName = *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[2]/div[2]/div/div/input"));  
 firstName.sendKeys("Test");  
  
 WebElement lastName = *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[2]/div[3]/div/div/input"));  
 lastName.sendKeys("test1");  
  
 WebElement fatherName = *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[3]/div[1]/div/div/input"));  
 fatherName.sendKeys("ashok");  
  
  
 WebElement clas1= *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[3]/div[2]/div/div/div"));  
 clas1.click();  
  
  
  
 WebElement clas1a= *driver*.findElement(By.*xpath*("/html/body/div[2]/div[3]/ul/li[3]"));  
 clas1a.click();  
  
  
  
 *sleep*(2000);  
  
 WebElement div1=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[3]/div[3]/div/div/div"));  
 div1.click();  
  
  
  
 WebElement div1a=*driver*.findElement(By.*xpath*("/html/body/div[2]/div[3]/ul/li[2]"));  
 div1a.click();  
  
 *sleep*(2000);  
  
 WebElement gender1=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[4]/div[1]/div/div/div"));  
 gender1.click();  
  
  
 WebElement gender1a=*driver*.findElement(By.*xpath*("/html/body/div[2]/div[3]/ul/li[2]"));  
 gender1a.click();  
  
 WebElement mobileNo=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[4]/div[2]/div/div/input"));  
 mobileNo.sendKeys("1234567898");  
  
  
  
  
 WebElement busNo1=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[4]/div[3]/div/div/div"));  
 busNo1.click();  
  
  
 WebElement busNo1a=*driver*.findElement(By.*xpath*("/html/body/div[2]/div[3]/ul/li[2]"));  
 busNo1a.click();  
  
  
  
 WebElement paymentStatus1=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[5]/div[2]/div/div/div"));  
 paymentStatus1.click();  
  
  
 WebElement paymentStatus1a=*driver*.findElement(By.*xpath*("/html/body/div[2]/div[3]/ul/li[2]"));  
 paymentStatus1a.click();  
  
  
  
  
  
  
 WebElement registered1=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[5]/div[3]/div/div/div"));  
 registered1.click();  
  
  
 WebElement registered1a=*driver*.findElement(By.*xpath*("/html/body/div[2]/div[3]/ul/li[2]"));  
 registered1a.click();  
  
  
  
 WebElement area1=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[6]/div[1]/div/div/div"));  
 area1.click();  
  
  
 WebElement area1a=*driver*.findElement(By.*xpath*("/html/body/div[2]/div[3]/ul/li[2]"));  
 area1a.click();  
  
  
 WebElement address=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[6]/div[2]/div/div/input"));  
 address.sendKeys("New Delhi");  
  
  
 WebElement studenyId=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[7]/div[1]/div/div/input"));  
 studenyId.sendKeys("1234");  
  
  
 WebElement admissionStatus1=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[7]/div[2]/div/div/div"));  
 admissionStatus1.click();  
  
  
 WebElement admissionStatus1a=*driver*.findElement(By.*xpath*("/html/body/div[2]/div[3]/ul/li[3]"));  
 admissionStatus1a.click();  
  
  
  
  
 WebElement mothersName=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[8]/div[1]/div/div/input"));  
 mothersName.sendKeys("Iravati");  
  
 WebElement motherMobileNo=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[8]/div[2]/div/div/input"));  
 motherMobileNo.sendKeys("0123456789");  
  
 WebElement hostelDayScholar1=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[8]/div[3]/div/div/div"));  
 hostelDayScholar1.click();  
  
  
 WebElement hostelDayScholar1a=*driver*.findElement(By.*xpath*("/html/body/div[2]/div[3]/ul/li[2]"));  
 hostelDayScholar1a.click();  
  
  
  
  
  
  
 WebElement addStudentDetails= *driver*.findElement(By.*xpath*("//\*[@id=\"root\"]/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[1]/form/div/div[9]/button"));  
 addStudentDetails.click();  
  
  
 // Download QR code  
  
 WebElement qrCode=*driver*.findElement(By.*xpath*("/html[1]/body[1]/div[1]/div[1]/div[1]/div[1]/div[1]/main[1]/div[2]/div[1]/div[1]/div[1]/div[2]/div[3]/div[2]/div[1]/div[1]/button[1]/span[1]"));  
  
 Actions actions = new Actions(*driver*);  
 actions.moveToElement(qrCode).click().perform();  
  
 //actions.contextClick(qrCode).click().perform();  
  
  
  
 WebElement confirmStudentData=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[3]/div[2]/div[2]/div[5]/button"));  
 confirmStudentData.click();  
  
  
  
  
  
 TakesScreenshot ts = (TakesScreenshot)*driver*;  
 File sourceFile = ts.getScreenshotAs(OutputType.*FILE*);  
 File destFile = new File("Screenshots/"+System.*currentTimeMillis*()  
 +".png");  
 FileUtils.*copyFile*(sourceFile,destFile);  
  
 }  
  
 @Test(description = "TC\_004-Search the student from database",priority = 4)  
 public void search() throws IOException {  
 String s1="Sam Sethy";  
 WebElement search= *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[2]/div/div/div[1]/div[1]/div/div/input"));  
 search.sendKeys(s1);  
  
 TakesScreenshot ts = (TakesScreenshot)*driver*;  
 File sourceFile = ts.getScreenshotAs(OutputType.*FILE*);  
 File destFile = new File("Screenshots/"+System.*currentTimeMillis*()  
 +".png");  
 FileUtils.*copyFile*(sourceFile,destFile);  
  
 }  
  
  
 @Test(description = "TC\_005-Add new Licenses",priority =5 )  
 public void addLicense() throws IOException {  
 WebElement manageLicense= *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/div/div/nav/div[5]/div[2]/span"));  
 manageLicense.click();  
  
  
 WebElement addLicense= *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[2]/div[1]/div[2]/div[4]/button"));  
 addLicense.click();  
  
  
 WebElement employeeId= *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[3]/div/form/div[1]/div[1]/div/div/input"));  
 employeeId.sendKeys("177");  
  
  
 WebElement firstName= *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[3]/div/form/div[1]/div[2]/div/div/input"));  
 firstName.sendKeys("Suraj");  
  
 WebElement lastName= *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[3]/div/form/div[1]/div[3]/div/div/input"));  
 lastName.sendKeys("Singh");  
  
  
 WebElement phoneNumber= *driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[3]/div/form/div[2]/div[1]/div/div/input"));  
 phoneNumber.sendKeys("1234567898");  
  
  
 WebElement busNo=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[3]/div/form/div[2]/div[2]/div/div/input"));  
 busNo.sendKeys("WB1234");  
  
 WebElement email=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[3]/div/form/div[2]/div[3]/div/div/input"));  
 email.sendKeys("testing@gmail.com");  
  
  
 WebElement password=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[3]/div/form/div[2]/div[4]/div/div/input"));  
 password.sendKeys("testing@123");  
  
  
 WebElement submitDetails=*driver*.findElement(By.*xpath*("/html/body/div/div/div[1]/div/div/main/div[2]/div/div/div/div[3]/div/form/div[5]/button"));  
 submitDetails.click();  
  
 TakesScreenshot ts = (TakesScreenshot)*driver*;  
 File sourceFile = ts.getScreenshotAs(OutputType.*FILE*);  
 File destFile = new File("Screenshots/"+System.*currentTimeMillis*()  
 +".png");  
 FileUtils.*copyFile*(sourceFile,destFile);  
  
  
 }  
  
  
  
  
 @Test(description = "TC\_006-verify the Logout function",priority = 6)  
 public void loginOut()  
 {  
 WebElement logOut=*driver*.findElement(By.*xpath*("//\*[@id=\"root\"]/div/div[1]/div/div/div/div/nav/div[7]/div[2]/span"));  
 logOut.click();  
  
 WebElement ok= *driver*.findElement(By.*xpath*("/html/body/div[2]/div[3]/div/div/div/button[2]"));  
 ok.click();  
  
 String expectedTitle= *driver*.getTitle();  
 String actualTitle="Rai-Test-Bams";  
  
  
  
 WebDriverWait wait=new WebDriverWait(*driver*, Duration.*ofSeconds*(20));  
 wait.until(ExpectedConditions.*visibilityOfElementLocated*(By.*xpath*("//\*[@id=\"root\"]/div/div[1]/div/div/div[2]/div/div[1]/form[2]/button")));  
  
  
 Assert.*assertEquals*(actualTitle,expectedTitle,"Not Logged Out");  
  
  
  
 }  
  
  
  
  
@AfterTest  
 public static void end()  
{  
 *driver*.quit();  
}  
  
  
 }