

User Registration with valid and invalid inputs

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class UserRegistrationTest {
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");
        WebDriver driver = new ChromeDriver();
        WebDriverWait wait = new WebDriverWait(driver, 10);

        // Navigate to registration page
        driver.get("https://example.com/register");

        // Test valid registration
        WebElement username = driver.findElement(By.id("username"));
        WebElement password = driver.findElement(By.id("password"));
        WebElement confirmPassword = driver.findElement(By.id("confirmPassword"));
        WebElement registerButton = driver.findElement(By.id("registerButton"));

        username.sendKeys("validUser");
        password.sendKeys("validPassword123");
        confirmPassword.sendKeys("validPassword123");
        registerButton.click();

        wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("registrationSuccessMessage")))
        ;

        // Validate registration success
        String successMessage =
        driver.findElement(By.id("registrationSuccessMessage")).getText();
        assert successMessage.contains("Registration successful");

        // Test invalid registration
        username.clear();
        password.clear();
        confirmPassword.clear();
```

```
username.sendKeys("");
password.sendKeys("");
confirmPassword.sendKeys("");
registerButton.click();
```

```
wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("registrationErrorMessage")));
```

```
// Validate registration error
```

```
String errorMessage = driver.findElement(By.id("registrationErrorMessage")).getText();
assert errorMessage.contains("Please fill out this field");
```

```
driver.quit();
```

```
}
}
```