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Анна

АВТОМАТИЗИРОВАННОЕ  
ТЕСТИРОВАНИЕ НА C#

QAC03-ONL

# OrangeHRM

– это модульное программное решение, предназначенное для улучшения процессов управления персоналом (HRM) в компании.



## HR for All

OrangeHRM provides a world-class HRIS experience and offers everything you and your team need to be the HR heroes you know you are.

From talent management to culture, to people management and compensation, OrangeHRM helps thousands of businesses around the world be great places to work.



opensource-  
demo

☐ **Selenium  
WebDriver**

☐ **Nunit**

☐ **Nlog**

☐ **Allure**

☐ **CI/CD Azure**

☐ **PageObject**

☐ **PageStep**

Технологии

# Pipeline

## Summary

1 Run(s) Completed ( 0 Passed, 1 Failed ) [12 unique failing tests in the last 14 days](#)

12

Total tests



8 ● Passed  
4 ● Failed  
0 ● Others



4 Failed tests (-5)  
1 ● New  
3 ● Existing

66,66%

Pass percentage

↑ 41.6%

← anechkadenisova.Diploma

master



anechkadenisova/Diploma / azure-pipelines.yml

```
1 # Universal Windows Platform
2 # Build a Universal Windows Platform project using Visual Studio.
3 # Add steps that test and distribute an app, save build artifacts, and more:
4 # https://aka.ms/yaml
5
6 trigger:
7   - develop
8
9 pool:
10  - name: 'Default'
11
12 steps:
13   Settings
14   - task: NuGetCommand@2
15     displayName: 'Restore nuget package for solution'
16     inputs:
17       command: 'restore'
18       restoreSolution: '$(solution)'
19       feedsToUse: 'select'
20
21   Settings
22   - task: DotNetCoreCLI@2
23     displayName: 'Build solution'
24     inputs:
25       command: 'build'
26       arguments: '--configuration Debug'
27
28   Settings
29   - task: DotNetCoreCLI@2
30     displayName: 'Dotnet test -s BrowserSetup.runsettings'
31     inputs:
32       command: 'test'
33       arguments: '-s C:\Users\nickd\source\repos\Diploma\Diploma\RunSettings\BrowserSetUp.runsettings'
```

# Allure

ALLURE REPORT 8/30/2023  
0:26:08 - 11:28:10 (31d 11h)

17  
test cases

70.58%

```
namespace Diploma.Core
{
    [TestFixture]
    [AllureJUnit]
    Ссылка: 5
    public class BaseTest
    {
        private AllureLifecycle allure;

        [SetUp]
        Ссылка: 0
        public void SetUp()
        {
            allure = AllureLifecycle.Instance;
        }

        [TearDown]
        Ссылка: 0
        public void TearDown()
        {
            if (TestContext.CurrentContext.Result.Outcome.Status == NUnit.Framework.Interfaces.TestStatus.Failed)
            {
                Screenshot screenshot = ((ITakesScreenshot)Browser.Instance.Driver).GetScreenshot();
                byte[] bytes = screenshot.AsByteArray;
                allure.AddAttachment("Screenshot", "image/png", bytes);
            }

            Browser.Instance.Driver.Quit();
            Browser.Instance.CloseBrowser();
        }
    }
}
```



## Suites

order name duration status

> Entitlement = Add Leave Entitlement  
> JobTitle = Add Job  
> JobTitle = Add Location  
> JobTitle = Change Job  
> JobTitle = Check Location  
> JobTitle = Delete Job  
> JobTitle = Delete Location  
> JobTitle = fail  
#1 RepeatJobFail  
> LoginPage = Authorization user  
> LoginPage = wrong authorization  
> MyLeave = Add Comments  
> MyLeave = Check Comment

Status

Marks

Diploma.Test.JobTest.RepeatJobFail

Failed RepeatJobFail

Overview History Retries

Already exists

Categories: Product defects

Severity: normal

Duration: 7s 654ms

Description

Fail on repeating name of job

Owner

Anna Denisova

Links

TMS: Jira

Execution

Set up

Set up

Test body

RepeatJobFail 4 sub-steps, 2 attachments

OpenPage

Enter user nameTry to login 1 parameter

Page Job Title

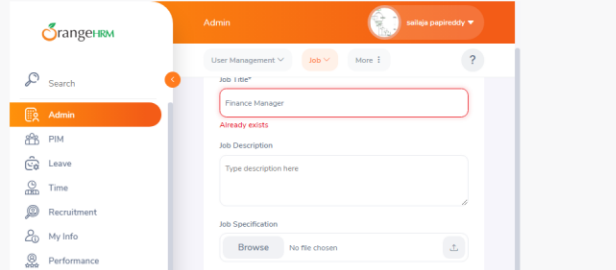
Error checking for an existing name job

Already exists

Already exists

Screenshot

75.7 KB



## Execution

### > Set up

### ▼ Test body

▼ AddJob 4 sub-steps, 1 attachment

8s 579ms

✔ OpenPage

2s 145ms

▼ Enter user nameTry to login 1 parameter

479ms

UserModel


Diploma.User.UserModel



✔ Page Job Title

3s 130ms

✔ Add new job

1s 232ms

▼  Console Output

 286 B 

```
2023-08-30 11:10:27.7318 Info Navigate to url https://opensource-  
demo.orangehrmlive.com/web/index.php/auth/login  
2023-08-30 11:10:29.8764 Info Try to login like user Diploma.User.UserModel  
2023-08-30 11:10:30.3558 Info Navigate to Job Page  
2023-08-30 11:10:33.4855 Info Add new Job
```

AddJob

# Logger

---

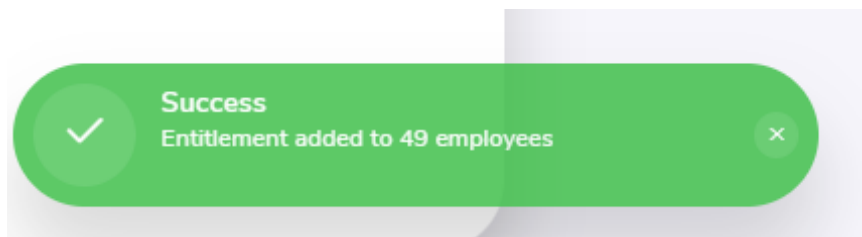
# Трудности

Часто менялись локации, удалялись нужные записи

The image displays two side-by-side screenshots of a web application interface for adding employees. Both panels have a header 'Add to' with two radio buttons: 'Individual Employee' (unselected) and 'Multiple Employees' (selected). The left panel shows a 'Location' dropdown menu with the following options: 'Canadian Regional HQ', '-- Select --', 'Canadian Regional HQ', 'HQ - CA, USA', and 'New York Sales Office'. The right panel shows a similar 'Location' dropdown menu with the following options: '-- Select --', '-- Select --', 'HQ - CA, USA', 'New York Sales Office', 'YHPAWMm', and 'yvNtili'. A yellow circle highlights the right panel's dropdown menu. The right panel also shows a 'Sub Unit' dropdown menu with the option '-- Select --' and a 'Leave Period\*' dropdown menu with the option '2023-01-01 - 2023-12-31'.



# Быстро исчезающие уведомления



```
><p class="oxd-text oxd-text--p oxd-text--toast-title oxd-toast-content-text" data-v-7b563373 data-v-35c8fe09>☹️</p>
```

```
<p class="oxd-text oxd-text--p oxd-text--toast-message oxd-toast-content-text" data-v-7b563373 data-v-35c8fe09> == $0
```

```
</div>
```

# Пример теста

Admin / Organization

User Management ▾

Job ▾

Organization ▾

Qualifications ▾

Nationalities

Corporate Branding

Configuration ▾

## Locations

Name

City

+ Add

(5) Records Found

<input type="checkbox"/>	Name ↕	City ↕	Country ↕	Phone ↕	Number of Employees ↕	Actions
<input type="checkbox"/>	Canadian Regional HQ	Ottawa	Canada	1-876-267-6999	9	 
<input type="checkbox"/>	HQ - CA, USA	California	United States	1-888-452-1508	7	 
<input type="checkbox"/>	LQERKSW		Brazil	902100	0	 
<input type="checkbox"/>	New York Sales Office	New York	United States	1 (866) 781-7104	12	 
<input type="checkbox"/>	Texas R&D	Texas	United States	1 (866) 791-7204	8	 

Ссылка: 3 | 3/3 пройдены

```
public void LocationTitle()
{
    logger.Info("Navigate to Job Page");
    driver.FindElement(AdminPage).Click();
    driver.FindElement(OrganizationTitle).Click();
    driver.FindElement(LocationTitlesPage).Click();
}
```

[AllureStep("Add new location")]

Ссылка: 1 | 1/1 пройдены

```
public void AddNewLocation()
{
    var name = RandomHelper.GenerateRandomString(7);
    var code = RandomHelper.GenerateRandomNumericString(6);

    logger.Info("Add new Location");
    driver.FindElement(AddButton).Click();
    driver.FindElement(NameLocation).SendKeys(name);
    driver.FindElement(City).SendKeys(name);
    driver.FindElement(ZipCode).SendKeys(code);

    IWebElement locationDropdown = driver.FindElement(LocationDropdown);
    locationDropdown.Click();
    IWebElement locationText = driver.FindElement(LocationText);
    locationText.Click();

    driver.FindElement(SaveLocation).Click();
}
```

```
[AllureStep("Change new job")]
```

Ссылка: 1 | 1/1 пройдены

```
public void ChangeNewJob()
```

```
{
```

```
    logger.Info("Change new Job: Download File");
```

```
    IWebElement textElement = driver.FindElement(FieldAdmin);
```

```
    IWebElement editElement = textElement.FindElement(EditIcon);
```

```
    editElement.Click();
```

```
    IWebElement fileInput = driver.FindElement(DownloadFile);
```

```
    var path = Environment.CurrentDirectory;
```

```
    var fileFullPath = path + FileHelper.GetFilesForUploadDir();
```

```
    fileInput.SendKeys(fileFullPath);
```

```
    driver.FindElement(SaveJob).Click();
```

```
}
```

```
namespace Diploma.Helpers
```

```
{
```

Ссылка: 1

```
public class FileHelper
```

```
{
```

Ссылка: 1

```
public static string GetFilesForUploadDir()
```

```
{
```

```
    var filePath = "\\TestData\\AddDev.txt";
```

```
    return filePath;
```

```
}
```

```
}
```

```
}
```

# FileHelper

---