Assignment guidelines

Last modified: 30.10.2023

> Note: This assignment guideline can stay in your submission. Kindly do not modify the guideline.

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Download Template

- **Step1:** Download the Project_Template.zip file.
- **Step2:** Unzip the Project_Template.zip file on your computer.
- **Step3:** Open the Test files one by one from the PageObject folder.
- **Step4:** Edit the Test file as per the Assignment instruction described below in the **Assignment Task** section
- **Step5:** Write a bug report
- **Step6:** Edit the Learning Reflection file as per the Assignment instruction described below in the Assignment Task section

Assignment Deliverables

- ☐ Create Test cases for all pages which are already there in project's **PageObject** folder
    - ☐ 03_RegisterPage
    - ☐ 04_ProjectPage
    - ☐ 05_IssuePage
- ☐ Perform all **TODO:** tasks describe in each above pages
- ☐ Create bug report for one test case which are already there in project's BugReport folder
    - ☐ 02_ProjectPageReport
- ☐ Write Learning Reflection page
    - ☐ 01_LearningReflection.md
- ☐ Export it as a Zip file
    - ☐ "Firstname_Lastname_Testing_Project.zip"
    - ☐ **Return them to Canvas as one Zip file** Upload your project file (Zip) to the Canvas platform as an Assignment return,
- ☐ Share your project on **GitHub**
    - ☐ Create a new repository
    - ☐ Add a README file and write your full name as seen on Laurea there, because your GitHub username may be different than your original name so it is easier for the teacher to recognize you and your assignment work.

- [ ] Upload your all project files and folders, using the Add file drop-down, click Upload files. Drag and drop the file or folder you'd like to upload to your repository
- [ ] **Do not upload the ZIP folder on GitHub**
- [ ] Share your GitHub repository link in the Canvas Assignment comments. And upload "Firstname_Lastname_Testing_Project.zip"

Assignment Overview

Functionality overview

The example application GitLab is a complete DevOps platform that enables professionals to perform all the tasks in a project—from project planning and source code management to monitoring and security. Furthermore, it allows teams to collaborate and build better software.

URL: https://gitlab.com

Home page

- URL: https://gitlab.com/
- Precondition: login
- List of projects
- Pagination for list of projects

Sign-in page

- URL: https://gitlab.com/users/sign_in

Sign up page

- URL: https://gitlab.com/users/sign_up

Profile page

- URL: https://gitlab.com/-/profile

Project page

- to create a project
- URL: https://gitlab.com/projects/new
- Create a new blank project: https://gitlab.com/projects/new#blank_project
- Create a new project from the template: https://gitlab.com/projects/new#create_from_template

Issue page

- Precondition: project
- URL: https://gitlab.com/group-slug-here/project-slug-here /-/issues/new
- Delete issue (click on pencil-icon for Edit or Delete issue)

How to write Test Case

- Open PageObject/01_TestSuit_template.txt, guide you through the sections where you need to write details about the test case and test suit.
- Learn from Canvas Workspace page 7.2 | How to write a Test case and each detail

Sample Test Cases for Login page

- Open web application URL: https://gitlab.com/users/sign_in
- Open PageObject/02_LoginPage.txt
- Notice the sections in the above file, Settings, Variables, Test Cases, and their fields Description, Tags, Precondition, Postcondition, Data, Test Case title, Test Case steps, section, and understand each step when you log in to the web application
- Check out each scenario's steps as described in the 02_LoginPage test suite.

Assignment Tasks TODO

1. Open Application (GitLab) for Test
2. Review Sample Test Cases for Login page section and File PageObject/02_LoginPage.txt
☐ Create Test cases for all below pages which are already there in the project's **PageObject** folder

☐ 03_RegisterPage
☐ 04_ProjectPage
☐ 05_IssuePage
☐ Perform all TODO: tasks describe on each above pages

4. Start Testing the application as described in TODO: tasks by writing manual test cases for a given app (GitLab)
5. Review the Assignment Evaluation section before writing and editing Test cases for all pages
6. Write Test Suite predefined fields
   - Settings
   - Variables
   - Description
   - Tags
   - Precondition
   - Postcondition
   - Data

- Test Cases and process steps
7. Write the Test Case title
8. Write each step for the test case and used test data besides that or write the variables' name
9. Repeat for the rest of the pages which are already there in the project's **PageObject** folder
10. Open Assignment_bug_instruction from the project's **BugReport** folder.
    - Start writing the bug report for the page Project creation as described in the Assignment instruction
    - Open the file 02_ProjectPageReport.md
    - Start writing the bug report
    - Follow the instructions in the
    - 01_Template_BugReport.md file
11. Open Assignment_LearningReflection_instruction from the project's **LearningReflection** folder.
    - Start writing the Learning reflection as described in the Assignment instruction
    - use template file 01_LearningReflection.md
12. Submit your assignment in Canvas and GitHub
13. Good luck!