INTRODUCTION

actiTIME is a Website deals with Product for Time tracking software for cost-effective project. actiTime is a online time tracking software that offers a data-driven approach to team and project management. Unlike automated time tracking solutions, it doesn't record employee activity or violate their privacy in any other way. Instead, actiTIME is designed for companies that promote trust and workplace Welbeing.

actiTIME boosts performance, track work progress and don't leave any billable second untracked and common records for billing hours for a project resource for easy monitoring the work hairs.

We can generate reports based on hours logged and also, we can integrate with other platforms like google calender. Zapier etc..

PROJECT OVERVIEW

* user can register and use the actiTIME application for free for 30 days.

The actiTIME project aims to automate various tasks on the Bluestone website it leverages selenium, a powerful web automation tool, to interact with web elements and perform actions such as clicking buttons, filling forms, and extracting data.

PURPOSE OF THE PROJECT

* Time Tracking.
* Capture working time with online timesheet, browser extension or mobile app.
* Notify clients or managers of the details of your work with the en time entry comments
* Ensure data accuracy and security with time sheet locking and timesheet approvals,
* actitime is a time tracking software that allows users to enter worked hours as well as time off and sick leave in an a user - friendly interface. This simple application has a powerful reporting functionality with dozens of detailed reports for almost any mangement or accounting needs.

Actitime Features :

* online weekly timesheet
* Timesheet locking & approval
* project time & cost reports
* charts & real - time widgets
* user roles & permissions
* work schedules.
* Task estimates & deadlines
* customizable work structure.
* user - & task - specific billing rates
* custom workflow statuses
* paid time off management
* Browser extension
* mobile app.
* It offers detailed reports in real - time

GETTING STARTED.

explain the Prerequisites and Setup required to run the project.

Prerequisites:

Before getting started with the actiTIME project, ensure you have the following prerequisites:

List the software and tools that need to be installed before running the project, such as:

* python (3.x)
* selenium (3.x)
* pytest (latest version)
* Any other dependencies.

INSTALLATION

To install the necessary dependencies for the actiTIME automation project, follow these steps:

Activity 1: Install python: Visit the python website (https://www.python.org) and download the latest version of python. Follow the installation instructions for your Operating System.

Download and install Python on Windows:

Activity 2.2 :- Download and install gitbash from https://gitscm.com/download/win

Activity 3 :

Go to the desired location where you want to create the folder, such as Desktop, Folder name like eg.. (Automation_Testing_project) open the folder → Right click with in the Folder and select open gitbash here, you will get pop up like below and clone the repository based on the next steps. provided photo 11.

PROJECT SETUP

Explained how to set up the project locally, including steps like:

Act 1: clone the repository from github.

Act 2: clone the actiTIME Project repository From [repository URL].

https://github.com/viswatesting123/SmartBridge-Automation_project.git.

Act 3: install all dependencies using requirements.txt

requirement.text containg all software's / libaries required for our projects. we don't need to install separately.

Act 4: RUN The command from the terminal

Ex: pip install -r requirements.txt.

Act 5: Configuration setting (if any).

Project structure:

Act 1: Explained the structure of the project, including directories and files, and their purposes. for example.

test cases: Directory containing test scripts
page objects: Directory containing page object models.
Utils: Directory containing utility functions.
reports: Directory containing test reports.
test data: Directory containing test data (ex: exel, csv, text, json files) related to project
configuration: Configuration file for storing settings
screenshots: Project testcases screenshots.
logs: Directory maintain the project logs
Run.bat: Now, you can double-click the run.bat file to execute the phython script. Specified in the command. The script will run in a command prompt window.

Writing Test cases :

Explained how to write test cases using python, selenium, and pytest. provide examples of different types of test cases, such as:

* Test case1 : Home page Functionality.
* Test case2: Register new user Functionality.
* Add new testcases as per Manual testcases prepared.

Include best practices for writing Maintainable and readable test cases.

Running Tests :

Explained how to run the test cases using pytest. Include information about commandline options and flags that can be used to customize test execution.

Act 1 : Run.bat : Now, you can double-click the run.bat file to execute the python script specified in the command. The script will run in a command prompt window.

Pros and cons for actiTIME:

Pros:

* Control overtime
* Improve task estimation
* Enhance resource management
* Keep a record of billable time
* Exceptional accuracy
* Zero work interruptions
* Extra accountability boost

Cons:

* Risk of micromanagement
* higher price
* This application can be complex to use for new users
* ActiTIME should further update its mobile application.

Test Reporting:

Explained how test reports are generated and where they are stored. Include information about any tools or libraries used for reporting, such as pytest-html.

Act 1: reports/: Directory containing test reports

Troubleshooting:

List common issues that may occur during project setup or test execution and provide possible solutions.

Conclusion:

The actiTIME automation project provides a framework for automating various tasks within the actiTIME web application using python, Selenium, and pytest with this documentation, you should be able to set up the project, execute tests, and extend / customize it according to your needs.