19L-1013

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Software Testing Project Phase 2

Metabase

Metabase is an open-source business intelligence and analytics tool that allows you to visualize and analyze your data. It provides an easy-to-use interface for creating and sharing charts, dashboards, and reports, making it accessible for non-technical users. Below we have created different user stories and their GHERKIN based test scenarios to carry out test automation.

**Automation tools used:**

* Nightwatch
* Cucumber

**USER STORY1**: As a user I should be able to view the sample database so I gain insight about the data

**Test Cases:**

* User selects valid data fields and table format
* Use Search box
* User selects invalid table format

**USER STORY 2**: As a user I should be able to apply different filters

**Test Cases:**

* Filter Products by price
* Filter Accounts by plan
* Summarize test results

**USER STORY 3**: As a user, I want to be able to create a basic bar chart in Metabase to visualize my data, so that I can get started with data exploration.

**Test Cases:**

* User selects valid data fields and chart type
* User selects invalid chart type
* User selects invalid data fields
* Invoice Graph

**Problems faced:**

While we were running docker the laptop kept crashing due to excessive RAM usage. to solve this problem, we created a “*. wslconfig”* file in users’ folder in C directory. I then configured wsl2 to use only 4GB of RAM for running Docker. Doing this allowed the laptop to stop crashing.

At first we were trying to use nightwath-api and nightwatch-cucumber apis, but they were generating errors so we found out that these are actually deprecated so we used @cucumber/cucumber instead

We were facing problem in visual studio code so instead of using CLI we used GitHub desktop to upload files to github