**Skill assessment conclusion and notes**This document summarizes the **MeDirect Assessment**, which is split into two parts:

1. **SwagLabs Assessment**
2. **Backend API Testing**

Most of the conclusions below focus on the **first part**, the SwagLabs Assessment, which I’ve done in TestRail. Credentials for reviewing this part of assessment are:

**Username: djoislav@yahoo.com**

**Password: MeDirect12\***

This part involved testing the user interface, functionality, and security of the application.

**Notes on the SwagLabs Assessment:**

* Since there is no real documentation, user stories, test cases are based on site appearance on Google Chrome
* Test cases for **Error User** and **Visual User** were not included since they were outside the scope of this assessment.
* The **Performance Glitch User** had the same bugs and visuals as the Standard User but with much slower page response times.
* Only 2 browsers are used for testing(Chrome and Opera), but ideally it would be more browsers (Mozilla, Safari), operating systems (Mac), and platforms (mobile, tablet)
* There are **significant** differences in appearance across the browsers, which are really not documented, but I was hoping that they could be discussed on interview
* Tests have estimate, priority and automation suggestions. Please note that if automation was planned, tests would be written a bit different so more of them could be automated (e.g. all exploratory and visual sessions would be separated)
* There was no need to do usual login form testing with boundary values, symbols, etc. since passwords were already provided
* The focus was on login security, session handling, checkout functionality, and payment details. Test have been performed, but actual result and screenshots for steps were not provided due to time constrains. I’ve established template to report bugs in same folder with test cases, using just exploratory session template. Reason for that is no licenced external connection (like JIRA or Azure DevOps). Bugs are not linked to test cases as well, which would be some normal practice.

**Backend API Testing:**

The second part of the assessment focused on testing the backend API, mainly using **JSON** requests. Some challenges arose, especially with PUT and POST requests, which are not new to me, but needed extra attention and time for me to debug and understand.

**SwagLabs Assessment**

Althrough it’s obvious that this is site with some deliberate omissions, here are some key observations:

* + Error messages were too specific, revealing whether the problem was with the username or password. This could make it easier for attackers to guess credentials.
  + There was no limit to the number of login attempts, leaving the system open to brute-force attacks.
  + No features were available to generate secure passwords or store them safely.
  + Sessions didn’t seem to expire after inactivity, which could pose security risks.
  + The checkout page lacked clear and complete information (e.g., quantity, price details).
  + Validation for inputs like names, postal codes, and payment information was inconsistent or unclear.
  + Payment details, which always would need special attention in testing, were missing (but for obvious reasons)

Test documentation, plans and outcomes are stored on my github.com/djoislav/medirect