FAF.CS16.1 Fall 2020

Lab 6: SSO Security

Handed out: Tuesday, October 13, 2020
Due: Tuesday, October 20, 2020 (20:15)

SSO Security

Using SSO in your application represents a secure alternative to classical authentication using login + passwords. On one hand it makes the life of the user much easier because they don't need to remember yet another password. On the other hand, the security savvy users can get worried about what data is sent when using such logging systems. The task for this week's laboratory work is to write an application to analyze the sensitive data that is sent to applications when using SSO.

The application should be able to authenticate a user using at least 3 identity providers (e.g. Facebook, Gmail, Twitter etc.). After authenticating using one of those services, the application should output on screen data that it has received from the identity providers (e.g. user's name, age, gender, email etc.). To summarize, your application should:

- Offer user authentication via SSO using at least 3 identity providers (e.g. Facebook, Gmail, Twitter etc.);
- Configure SSO integration to get as much as possible data about the end-user;
- Output all data which was provided by the identity providers (e.g. user's name, age, gender, email etc.).

Reporting

At the end of this lab, you will need to present your source code and a screen recording of the functionality that you have implemented. The links to your video and source code must be uploaded on Moodle, in the Submit Lab 6 assignment activity. Don't forget to make your code public on any hosting service of your choosing (e.g. Github, Bitbucket etc.). Any code on Github must contain a *readme* file (here's a tutorial on how to make a good one).

Grading

At the end of this lab you are expected to provide an application that would contain the features described in the previous chapters. Showing working features in a terminal or a GUI with only a subset of features and placeholder buttons is also acceptable, for a penalty. However, be aware that you'll still need to implement whatever you skipped for the following labs. What is not acceptable is *not providing anything on the day of the deadline*, so don't do that.

Good Luck!