Session Management, Google Authentication, Deploying Applications on Azure

Lab 10

Task 1

In Task 1 of Lab 9, you used Express.js to implement the backend for your restaurant application. In this lab, you will test its vulnerability against session fixation and hijacking attacks. If you find any vulnerability, try to mitigate it.

Recommended reading: To learn more about best practices of securing Express.js applications, you can read this article:

https://expressjs.com/en/advanced/best-practice-security.html

Task 2

Add Google OAUTH 2 authentication to your applications so the users can login with their Google accounts.

Recommended Reading: https://www.loginradius.com/blog/engineering/google-authentication-with-nodejs-and-passportjs/

Task 3 (Optional)

Deploy your application on MS Azure.

Recommended Reading (Creating MySQL Database on Azure): https://learn.microsoft.com/en-us/azure/mysql/flexible-server/quickstart-create-server-portal

Recommended Reading (Deploying Node.js and Express.js on Azure): https://learn.microsoft.com/en-us/azure/app-service/quickstart-nodejs?pivots=development-environment-vscode&tabs=windows