CYBERSECURITY LAB

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SQL Injection – LAB

Academic Year 2025/2026

Exam
Folder name for material submission **05_SQLI**

SQLi in Owasp Juice Shop

- OWASP Juice Shop webapp has several SQLi challenges

- They are a subset of the challenges in the Injection category

- They can be further categorized according to the intent of the attacker:

  - Bypassing authentication

  - Extracting data

- Focus on at least two challenges of your choice (ensure you have at least one per category)

Exam: report required

- You are expected to produce a report for this lab

- The report should describe and discuss the following aspects:

    - The exploitation attempts for solving the challenges (as in the IDOR example)

    - Discussion on root causes and takeaways

Exam: extra report (not mandatory)

- You may want to produce **at most one** additional report for the web security part

- The additional report is not mandatory

- The additional report will be considered in the evaluation

- The topic of the additional lab activity must be one of the following

Folder name	Topic
04_XSS_OJS	At most two further XSS challenges on OWASP Juice Shop
04_XSS_SEED	The XSS lab from the SEED LABS 2.0
05_SQLI_OJS	At most two further SQLI challenges on OWASP Juice Shop
05_SQLI_SEED	The SQLI lab from the SEED LABS 2.0
To be decided	Agreed with the instructor, proposals are welcome