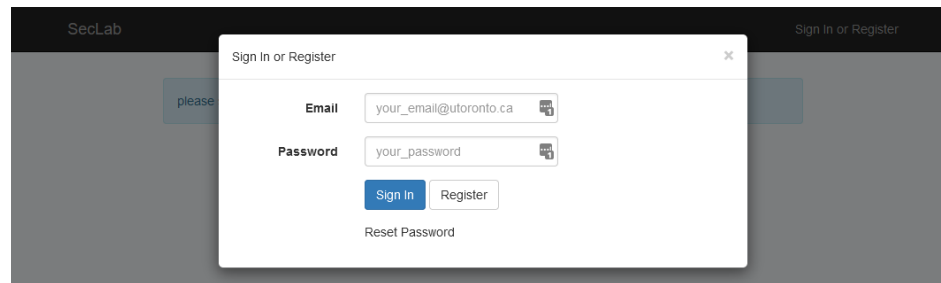# Seclab

CSCD27H3 CTF Challenge Platform

Kc Udonsi

Seclab: Origins

- Developed and maintained by Prof. Thierry Sans

- Instructors and TAs author, maintain and review challenges

- Student challenge submissions are auto-graded and manual-reviewed

- Challenges designed to run on Docker

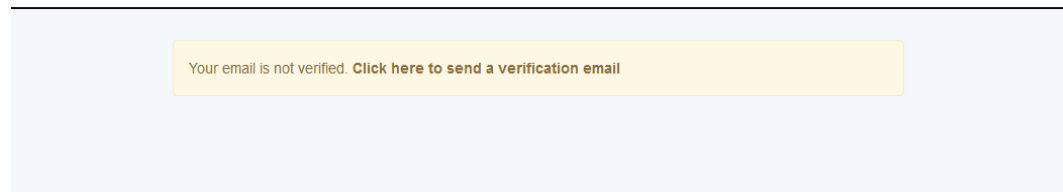- Student access is tethered to course enrollment

- Hosted at: https://seclab.space

Seclab: Account Registration

- Account holder must be enrolled in the course to view any leagues

- To register, Click the "**Sign in or Register**" top-right-corner. Fill in the required entries and Click "**Register**" as shown :

- Click on phrase "**Click here to send verification email**".

- Check inbox/spam folder for verification email

Seclab: Platform Overview: Dashboard

Nickname, visible to all users in Leaderboard

SecLab   CSCD27F22 ▾   Dashboard   Challenges   Leaderboard   @mail.utoronto.ca ▾

CSCD27F22

CSCD27 Computer and Network Security

Challenges
14

Participants
118

Leafstinger Moose
(_____@mail.utoronto.ca)

🏆 **League ranking**

2

Challenges Solved
0

Points
0

League name. Unique to semester. E.g CSCD27F22 => Fall 2022 course offering

Seclab: Platform Overview: Challenges

Lab/Hw: released in pair. ~1 week duration

Name		Start	End	Points	Type
Hack This Website	●	Thu, Sep 1, 12 AM	Tue, Dec 6, 12 AM	200	bonus
Caesar 26	●	Mon, Sep 12, 6 AM	Sun, Sep 18, 10 PM	100	lab
Salsa20 Wave	●	Mon, Sep 12, 6 AM	Sun, Sep 18, 10 PM	100	hw

Red => Not open; Can neither access handout nor submit solution

Green => Open; Can access handout and submit solution

Seclab: Platform Overview: Leaderboard

Anonymity; nicknames of other students.

Rank	Username	Points
1	Pintocondor Warlock	0
2	Leafstinger Moose	0
3	Coconutcap Hero	0

Seclab: Active Challenge Walkthrough: Handout

Green glow: Challenge is open and accepting solution submission Challenge is open for the duration of datetime shown

Name		Start	End	Points	Type
Caesar 26	●	Mon, Aug 1, 12 AM	Tue, Dec 6, 12 AM	100	lab

Handout Submit Submissions Score
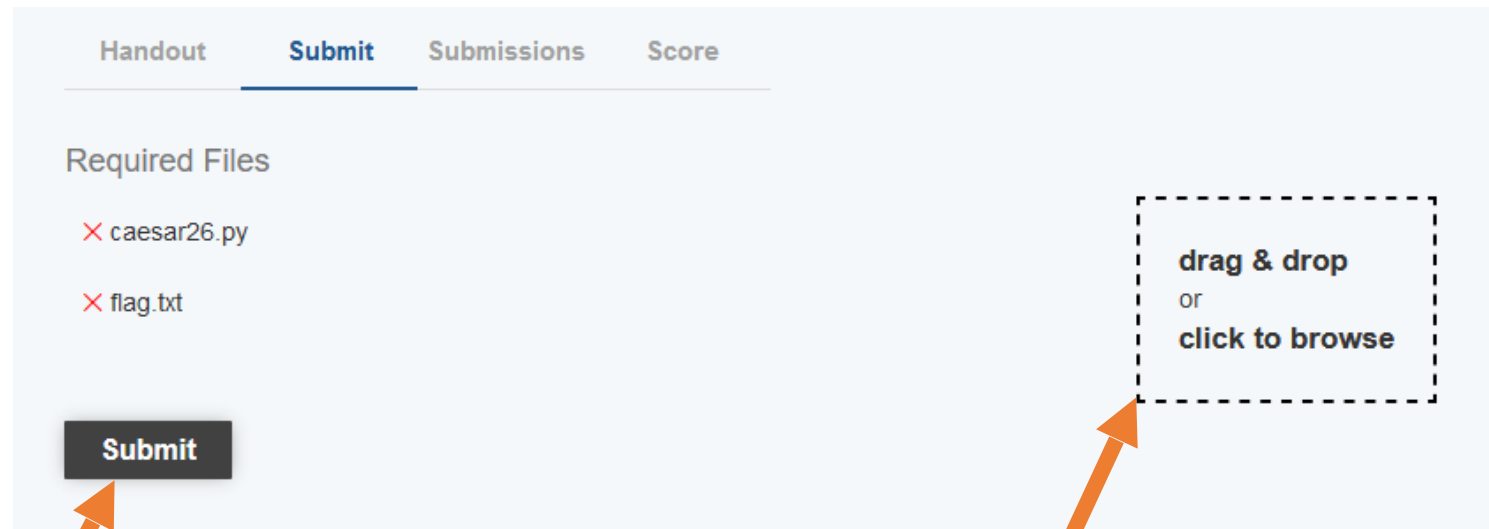
Download Starter Code

Caesar 26

Handout section details challenge objective

Challenge starter materials as ZIP archive

Seclab: Active Challenge Walkthrough: Submission

- See course website for **Submission Policy**
- Once graded, grade will appear in the Score tab. See course website for **Remark Policy**

Do not forget to click 'Submit'

Add files via the broken bordered section.

Seclab: Inactive Challenge Walkthrough

Red dot: Challenge is closed and not accepting solution submission
Challenge is only open for the duration of datetime shown

Name	Start	End	Points	Type
Caesar 26	●	Mon, Sep 12, 6 AM	Sun, Sep 18, 10 PM	100	lab

Handout   Submissions   Score

this challenge is not opened

Submission data remains available after due date. Score will be populated after due date and grading

Seclab: Summary

- Grading notification will be posted on Piazza
- Leaderboard uses nicknames for anonymity
- See website for submission and remark policy
- **No late submission and makeup work for missed work**
- **Violation of academic integrity in at least one challenge results in failing the course**
- Lab and Homework are released in pair, run for the duration of the week (Mon-Sun) and auto-graded. PRA00X sessions with TAs are for Lab work. Lab work can be completed in ~1hr
- Bonuses are optional and often more challenging homework. They run for ~2weeks. Not auto-graded and may require solution review/interview with instructor