Tut 02

Rui 16/17th Nov. 21

IMPORTANT NOTICE

Please **check your Lab marking** by the end of this week -- if you have any doubt, please contact @RUI ASAP

Rui.Li@unsw.edu.au

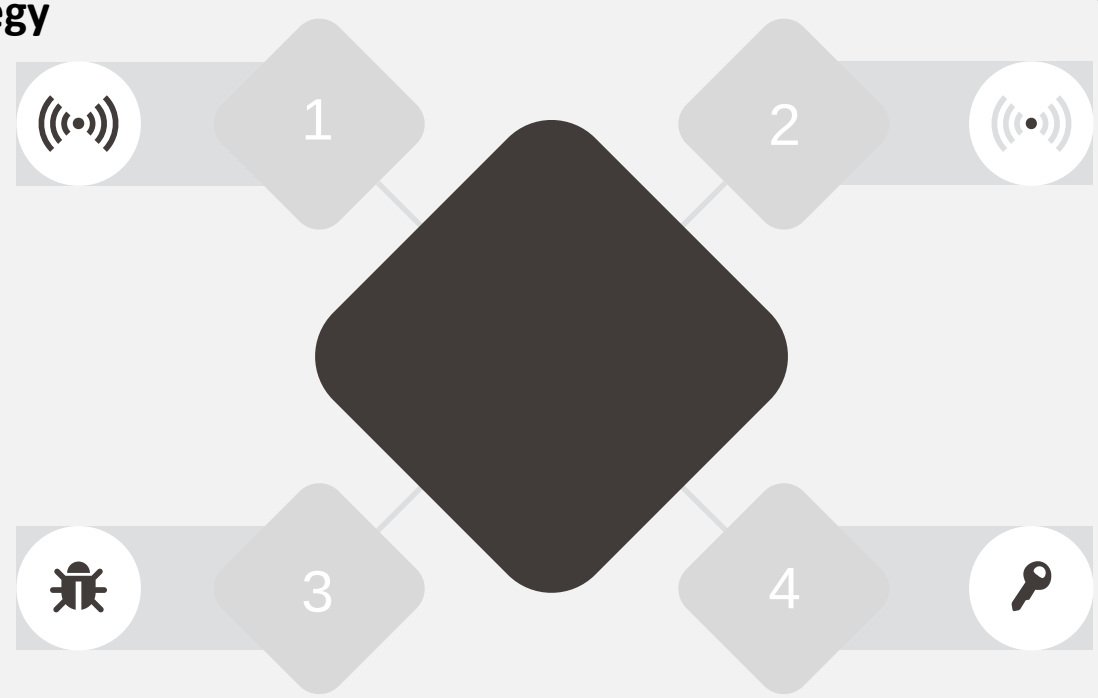
Content

Final Exam – review strategy

- SPEC
- PREPARATION
- MATERIAL

W5 – W10 Wrap-up

- Important knowledge point
- Calculation Practice



Assignment

- Program structure
- How to debug
- Submission format (important)

Discussion

- Tutorial
- Assignment
- Exam..

Final Exam

When: 6th Dec 13:45~16:00

Time: 2hours+15min reading time

Worth: 40%

DOUBLE PASS – You need to score at least 16/40 to pass this course!

Question type: like midterm(multiple-choice+short answer)

Others: No programming stuff and lab content.

Final Exam – How to prepare

Before the exam:

- Lecture slides – Download & Merge
- Computer environment setup (backup Internet plan)
- Zoom(In case you have questions or need clarifications)

Final Exam – How to prepare

Review material:

- Lecture slides – **all the quizzes/examples on slides**
- Weekly quiz
- Practice (mock exam/past exam paper) @ github

Ref:

Slides - https://webcms3.cse.unsw.edu.au/COMP3331/21T3/resources/66071
Weekly quiz - https://webcms3.cse.unsw.edu.au/COMP3331/21T3/resources/66006
Practice - https://github.com/lrlrlrlr/COMP3331_9331_21T3

Final Exam – How to prepare

Content

W1~W5: The same as midterm

- Computation of throughput, delay
- HTTP, DNS, E-mail
- Sockets (multiplexing/demultiplexing), UDP, Reliable Data Transfer Principles, TCP, Congestion Control

Ref:

Slides - https://webcms3.cse.unsw.edu.au/COMP3331/21T3/resources/69272

Final Exam – How to prepare

Content

W6~9: Pay more attention to this part

- Data Plane: Overview, IP, Addressing, NAT, IPv6
- Control Plane: Overview, link-state routing, distance vector routing, ICMP
- Link Layer: Collision avoidance/detection
- Security: should be easy for you

Ref:

Slides - https://webcms3.cse.unsw.edu.au/COMP3331/21T3/resources/69272

Assignment

Program structure example:

- You can have a totally different structure – just an example here
- Demo

Ref:

Assignment SPEC: https://webcms3.cse.unsw.edu.au/COMP3331/21T3/resources/65984

Assignment

How to debug:

- Try **every example in the document** – make sure it have exactly same output.
- Don't worry too much about the corner case.
- **Must** run it in Vlab before you made the submission.

Ref:

Assignment SPEC: https://webcms3.cse.unsw.edu.au/COMP3331/21T3/resources/65984

Assignment

Submission:

- **Report** is verrry important!
  - Teach us how to run your program (example & description)
  - Explain how your program works
    - program structure
    - Data structure
    - Application protocol
    - Any improvement/bug…

Ref:

Assignment SPEC: https://webcms3.cse.unsw.edu.au/COMP3331/21T3/resources/65984

Future courses

- COMP 9332: Network Switching and Routing
- COMP 9334: System Capacity and Planning
- COMP 4336/9336: Mobile Data Networks
- COMP 6441/9441: Security Engineering and Cybersecurity (+ other security courses)
- COMP4337/9337: Wireless Network Security
- COMP6337: IoT Experimental Design Studio
- Undergraduate/Postgraduate Projects and Thesis

Ref:

https://webcms3.cse.unsw.edu.au/COMP3331/21T3/resources/65984

Good Luck

Rui