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Review

CSIT115 and CSIT882

2024 Autumn Session



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

Outline

- Subject contents
- Things to know for the final exam
- Q&A



CSIT115 Contents

The subject presents the fundamental concepts in data management including:

- Conceptual modeling
- The relational data model and logical modeling
- The processing of relational data with Structured Query Language (SQL)
- Discretionary access control
- Data security and integrity
- Privacy concepts related to data management



CSIT882 Contents

The subject presents the fundamental concepts in data management including:

- Conceptual modeling
- The relational data model and logical modeling
- The processing of relational data with Structured Query Language (SQL)
- Discretionary access control
- Data security and integrity
- Privacy concepts related to data management
- Database normalization
- Transaction processing in database system



Final exam - Online invigilated Moodle Quiz

Time limit: 3 Hours exam + 15 Minutes upload time

When: (Exam time is the same for CSIT115 and CSIT882)

- Start: Friday, 14 June 2024, 9:00 AM (Sydney time)
- Do your Proctorio pre-checks at 9:00 AM
- Start the exam at 9:10 AM
- Your time limit would then expire at 12:25 PM (including the 15-minute upload allowance) and the exam will be submitted automatically.
- Students with RA document may have varied times, refer to your exam timetable



Final Exam - Online invigilated Moodle Quiz

Where: Login to your Moodle, use the Moodle Quiz link to enter the exam

▼ Final exam (Autumn 2024) Friday 14/06/2024 9:00AM

🔒 Hidden from students

The following exam consists of 6 Questions. Each question may contain several sub-questions.

- Note that you **ONLY** need to upload an image file (bmp, jpg, jpeg, png, or tiff) for the Conceptual Modeling Design question.
- The solution to the Conceptual Modeling Design question in the final exam can be drawn with UMLet or handwritten with a **BLACK** or **DARK BLUE PEN** on the **BLANK PIECES** of paper. Please remember that the answers must be readable. The unreadable answers will not be evaluated.
- The solutions to the other questions must be directly typed in the answer frame below each question.

Once you begin the final exam, you will have: **3 HOURS** to complete all questions **plus a 15 minute upload time**. The final exam will automatically be submitted when the time expires.

This exam is **RESTRICTED** - only specific reference materials permitted. You may use:

- **Mobile phone/scanner permitted for upload ONLY**
- **UMLet software (not in a virtual machine)**
- **Blank piece of paper for working out**
- **Moodle site for this subject, including lecture slides, assignments and sample solutions**

Please note that direct copy-paste from the materials is **NOT** allowed

Open this section,
the exam link is at the
bottom



Quiz

Final exam (Autumn 2024) - CSIT115 Data Management and Security (Remotely Proctored)

🔒 Hidden from students



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Test your technology!

- Even if you have **previously sat a Proctorio exam**, you should **test your technology** as your hardware, Internet or many other factors may have changed since last session.
- Download Google Chrome or Microsoft Edge (The Proctorio extension will only work on these browsers.)
- You should **complete the Proctorio practice quiz** to ensure everything is set up and ready well before your exam day.
- Allow time to troubleshoot
- Allow time to make alternative arrangements if required
- Ease stress on the day of the exam
- Lead to less wait times for Exam Support if you need them on the day
- If the practice quiz is not completed prior to the exam, it may affect the Academic Consideration outcomes for technology failure during the exam.



CSIT115 - Final Exam Questions

There are 6 Questions in the final exam. Each one may contain several sub-questions.

They cover:

- Conceptual modelling design
- Logical database design
- DDL and advanced DDL
- DML and advanced DML
- SELECT statement
- Access Control



CSIT882 - Final Exam Questions

There are **7 Questions** in the final exam. Each one may contain **several sub-questions**.

They cover

- Conceptual modelling design
- Logical database design
- DDL and advanced DDL
- DML and advanced DML
- SELECT statement
- Access Control
- **Relational schema normalisation**



Preparation for Final Exam

- Lectures slides and recordings
- Assignments 1, 2, 3
- **Sample final exam** (Available on Moodle **until 13 June 2024**)

▼ Sample Final Exam

The sample final exam is available until 13 June 2024, 11:59 PM.

It is strongly recommended to attempt the practice exam so you can be familiar with the question types and submission methods.

You can attempt the sample final exam to practice by clicking on the following quiz link 'Sample final exam' anytime before the quiz closes. There are 10 attempts allowed.

Once you begin the quiz, you will have: 3 HOURS to complete all questions plus a 15 minute upload time. The quiz will automatically be submitted when the time expires.

There are 6 questions in the sample final exam. Each question may contain several sub-questions.



During Final Exam

This exam is **RESTRICTED** - only specific reference materials permitted.

You may use:

- **Mobile phone/scanner** permitted for **upload ONLY**
- **UMLet** software (**not in a virtual machine**)
- **Blank piece of paper** for working out
- **Moodle site** for this subject, including lecture slides, assignments and sample solutions



During Final Exam

You are allowed to access the teaching materials **through Moodle site ONLY**

During final exam, you are **NOT** allowed to

- Use **your own notes** or any **other study materials**
- **Access notes** in hard copy format
- **Copy and paste from teaching materials** directly to your answer frames (this may lead to Academic Misconduct)



During Final Exam

- MySQL Workbench? NO
- MySQL Command Line Interface? NO
- VirtualBox? NO
- Virtual Machine? NO
- Search online? NO
- Ask for solutions? NO
- Collaborate with others? NO
- Use other materials that are not permitted by the final exam? NO



During Final Exam

- Note that you **ONLY** need to **upload an image file** (bmp, jpg, jpeg, png, or tiff) for the **Conceptual Modeling Design** question.
- The solution to the Conceptual Modeling Design question in the final exam can be drawn with **UMLet** or **handwritten** with a black or dark blue pen on the blank pieces of paper.
 - if using **UMLet**, save your solution to an accepted image file then upload
 - if **handwrite** on paper, scan/take a picture of your solution then upload using a scanner/mobile phone
- Please remember that the answers must be readable. The unreadable answers will not be evaluated.
- The solutions to the other questions must be **directly typed in the answer frame** below each question.



Final Exam - Uploading Files

- Moodle quiz has an upload portal for the **Conceptual Modeling Design** question.
- You are responsible for uploading the correct version during the final exam.
- **3 hour + 15 min exam time** will be the only time window to upload your solutions to the final exam Moodle quiz.
- When **time expires**, open attempts will be **submitted automatically**.
- The file submitted will be the ones that are marked.
- Email submission will not be accepted.



How to Prepare

- Learn and practice from:
 - **Lectures slides** and **recordings**
 - **Assignments 1, 2, 3** and **sample solutions**
- Attempt the Proctorio practice exam
 - **Test your technology**
 - Download Google Chrome or Microsoft Edge (The Proctorio extension will only work on these browsers.)
- Attempt the **‘Sample Final Exam’**
 - Note that the Sample final exam does not have proctorio enabled



How to Prepare

▼ How to prepare for the final exam?

Please see the following information on how to prepare for the final exam. More details will be provided during the Week 13 lecture class.

The Final Exam for CSIT115 Data Management and Security has the format of a "take-it-home" examination: *online invigilated by Proctorio*.

You must complete the Proctorio practice quiz through the following '*Test Your Technology*' link to ensure everything is set up and ready well before your exam day.

Test Your Technology

There are 6 Questions in the final exam. Each one may contain several sub-questions.

They cover

- Conceptual modelling design
- Logical database design
- DDL and advanced DDL
- DML and advanced DML
- SELECT statement
- Access Control

Open this section and Click on the link for testing your technology



Need Help During the Exam?

- Don't panic if your internet cuts out during an exam, wait for it to reconnect and log back in.
- If you are ejected from your exam, **log back into Moodle, re-enter your exam** and continue where you left off.
- **DO NOT** contact your **Subject Coordinator** if you have tech issues during the exam, please chat online with IT Support or call the Exam Hotline as soon as the issue happens
 - call the **Exam Support** team on +61 2 4221 3927
 - or use the **IT Support Chat**, information will be available on Moodle site
 - the Exam Support team will provide each Subject Coordinator with this information.



Frequently Asked Questions

- **SQL questions:**
 - Only create table statements will be given, you need to **assume the data already exists in the database**, then answer the questions.
 - Answer the questions with correct statement/syntax.
 - No worry about practical problems how they are processed in MySQL (e.g., refresh database, safe update mode in workbench, and report generation).
- You **DO NOT** need to **process the SQL statement**.
- **Sample database** used for **Q3 – Q6** in the final exam is **the same**.



Frequently Asked Questions

- To be eligible for a Pass in this subject a student must achieve a mark of **at least 24 marks** (40% x 60) for the **Final Exam**.
- You are **NOT** allowed to use **another computer** or **monitor**.
- If you do not have UMLet installed, you can use blank paper and pen to draw diagrams then upload
- Question types in sample final exam and the real final exam are similar.



Frequently Asked Questions

- **What if I am late to the start of my exam?**
 - You can still start your exam late. However, you will not be permitted to start your exam 30 minutes after the scheduled exam time, and you will **NOT be given extra time** to compensate for starting late.
- **Can I wear headphones or earplugs?**
 - Headphones are **NOT permitted** unless you have an Access Plan that specifies their use.
 - If you are relying on headphones to act as a microphone, you will need to inform UOW Exams team in advance for the purposes of invigilation.



Frequently Asked Questions

- **What do I do if I become ill during my exam and cannot finish it?**
 - If you cannot sit or complete your exam due to illness or another extenuating circumstance, ensure that you **apply for Academic Consideration BEFORE your online exam** starts or prior to completing it through SOLS.
 - Remember, once you complete your online exam, you can no longer apply for Academic Consideration.
- **What items can be on my desk during my exam?**
 - **Only permitted reference materials** is allowed on your desk.
 - If you are flagged for accessing materials not in accordance with the instructions provided on your exam page, you may be subject to academic misconduct.



To CSIT115 Students:

In CSIT115 Assignment 2, we have designed scenario-based questions to give you a sense of solving practical problems related to database management.

Following this, we would like to invite you to participate in a survey and share your valuable feedback. The survey is anonymous, no personal information is collected, and it takes only a few minutes to complete. Thank you for your participation.



Questionnaire

Survey of Scenario-based Assignments and Interactive Feedback

The aim of this survey is to help us determine:

i. whether the **scenario-based Assignment 2** used in this subject were useful in engaging with students by creating a sense of solving a practical industry problem; and ii. whether the assignment demonstration and interactive feedback sessions provided timely and useful feedback for students to learn and reflect on the subject matter.

This is an **anonymous survey** where no personal information is collected. The survey contains 15 questions and the estimated time to complete it is approximately 5 minutes. Each statement subjected to a five-point rating scale, ranging from 1 (strongly disagree) to 5 (strongly agree). There are no right or wrong answers. Thank you for your participation.

By starting this anonymous survey, I agree to the following:

I have read the [Participant Information Sheet](#) for the study 'Creating a Work-Integrated Learning and Interactive Assessment Repository'. I understand that by completing the survey I am giving consent for my responses to be used for the purposes outlined in the Participant Information Sheet.

Questions?



References

- Exam frequently asked questions:
<https://www.uow.edu.au/student/exams/faq/>
- Supplementary and deferred exams:
<https://www.uow.edu.au/student/exams/supplementary-exams/>
- Online exam invigilation:
<https://www.uow.edu.au/student/exams/online-exam-invigilation/>

