

## **SCC 311: Coursework Level 2 Outline Marking Scheme (45%)**

### **Level 2a Security (22.5%)**

Level 2a accounts for 22.5% of the total mark for practical. The distribution of marks is given below.

**5%**

#### **Explain the design of Authentication**

*Level of attainment:*

- A: outstanding solution (100%)
- B: good, does the job (66%)
- C: a fair attempt, but many problems (33%)
- F: does not work (0%)

**5%:**

#### **Implementation of cryptographic authentication**

*Level of attainment:*

- A: outstanding solution (100%)
- B: good, does the job (66%)
- C: a fair attempt, but many problems (33%)
- F: does not work (0%)

**8%:**

#### **Access control**

*Level of attainment:*

- A: work perfectly, no glitch (100%)
- B: main functionality there, but a few glitches (66%)
- C: a fair attempt, but many problems (33%)
- F: does not work (0%)

**4.5%**

#### **Critical reflection of the solution and implementation, discussing the strengths and weakness**

*Level of attainment:*

- A: high level of self-reflection, able to discuss in detail pros and cons (100%)
  - B: good level of self-reflection, sees strengths and points for improvement (66%)
  - C: limited self-reflection, possible to tease out interesting points with questioning (33%)
  - F: cannot answer (0%)
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## **Level 2b Dependability (22.5%)**

Level 2b accounts for 22.5% of the total mark for practical. The distribution of marks is given below.

8%:

**An active replication system is implemented and the auctioning server works correctly in a scenario that some arbitrary replicas crashed.**

*Level of attainment:*

- A: work perfectly, no glitch (100%)
- B: main functionality there, but a few glitches (66%)
- C: a fair attempt, but many problems (33%)
- F: does not work (0%), including a wrong replication mode is implemented.

8%:

**Explain how replication is provided and refer to the code**

*Level of attainment:*

- A: outstanding solution (100%)
- B: good, does the job (66%)
- C: a fair attempt, but many problems (33%)
- F: does not work (0%), including a wrong replication mode is implemented.

6.5%:

**Critical reflection of the solution and implementation, discussing the strengths and weakness**

*Level of attainment:*

- A: high level of self-reflection, able to discuss in detail pros and cons (100%)
  - B: good level of self-reflection, sees strengths and points for improvement (66%)
  - C: limited self-reflection, possible to tease out interesting points with questioning (33%)
  - F: cannot answer (0%)
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