Exam Overview

Exam questions are sourced from: Lecture Notes, Quizzes and Labs

2 hours long (18th June 8:45 – 11:00)

In CSE computer labs, using the CSE exam environment

Total 50 Marks (50 percent of the total mark)

Tentatively, the questions are divided over:

- Section 1: 30 Multiple choice (0.5 mark each)

- Section 2: 20 Short answer questions (1 mark each)

- Section 3: 3 written answer questions (5 marks).
  - from REST and REST principles
  - From Data model and access topic

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Exam Overview

Scope:

Lectures

Week 1, Week 2 (intro and Web app)

Week 3 and 4 (API, REST and REST Principles)

Week 5 (Visualisation)

Week 6 and 7 (Data model and access/publication) – minus metadata part

Week 8 and 9 (Guest lecture notes)

Week 10 – not included

All quizzes

Labs – Week 2 to Week 8

Sample Questions

Which of the following is NOT true of REST?

   a) Applications can rely on caching to improve scalability

   b) Strongly typed XML schema means validation is always possible

   c) Applications use HTTP-based security methods

   d) Any server-side technology can be used for implementation

Write your answer here _____

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Sample Questions

Which of the following is an appropriate resource representation? (Choose all that apply)

a) XML
b) JSON
c) SVG
d) CSV

Write your answer here _____

Sample Question

(5 Marks Total) Answer the following questions:

- (2.5 marks) Discuss what the OData standard can provide in terms of design and implementation of a data service compared to using REST API only.

- (2.5 marks) Discuss different options for implementing asynchronous interactions using REST principles.

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