SE3040 – Application Frameworks
Tutorial 04 - 05

JavaScript Part 02

1. What are the options you have in JavaScript to create classes?
2. What is a prototype?
3. Explain the usage of the 'this' key word
4. What is JavaScript closure?
5. How do JavaScript handle asynchronous operations?

Version Controlling

1. Why do you need version controlling?
2. Explain how Git works
3. Explain the usage of the following terms
   a. Repository
   b. Commit
   c. Branch
   d. Checkout
   e. Merge
   f. Merge Conflict

NoSQL

1. What is NoSQL?
2. What do you mean by the term eventually consistent?
3. What do you mean by the term, transaction support in DBMS?
4. What is cap theorem?
5. What are the types of NoSQL databases? Explain the usage of each
6. What is MongoDB?

7. Insert the following documents

   - FirstName: John, LastName: Smith, Department: Software Engineering
   - FirstName: Jane, LastName: Frost, Subjects: AF, DS, SEPQM
   - FirstName: Mark, LastName: Stevenson, Department: Maintenance

8. Update the 1st document with the subjects SEPQM and DS
9. Add MAD to the Subjects in the second document
10. Delete the 3rd document
11. Find the documents that has DS as a subject