(/) **Engineering:** DB Introduction to Databases

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Q1 (1.0/1.0 points)

You're creating a database to contain information about students in a class (name and ID), and class projects done in pairs (two students and a project title). Should you use the relational model or JSON?

- (•) Relational ✔
- ( ) JSON
- ( ) Either one is appropriate
- ( ) Neither is appropriate

**EXPLANATION**

The database has a fixed structure that lends itself to tables (one table for student information and one for project information) and convenient queries in a relational language.

Save Submit Hide Answer(s) *You have used 1 of 4 submissions*

Q2 (1.0/1.0 points)

You're creating a database to contain information about students in a class (name and ID), and class projects. Projects may include any combination of students; they have a title and optional additional information such as materials, approvals, and milestones. Should you use the relational model or JSON?

- ( ) Relational
- (•) JSON ✔
- ( ) Either one is appropriate
- ( ) Neither is appropriate

**EXPLANATION**

The database has a complex, irregular, and possibly dynamic structure, so the flexibility of JSON is warranted.

Save Submit Hide Answer(s) *You have used 2 of 4 submissions*

Q3 (1.0/1.0 points)

You're creating a database to contain a set of sensor measurements from a two-dimensional grid. Each measurement is a time-sequence of readings, and each reading contains ten labeled values. Should you use the relational model or JSON?

- Relational
- JSON
- Either one is appropriate ✔
- Neither is appropriate

**EXPLANATION**

The database has a fixed structure suggesting relational, but its nested array, list, and label-value structure suggests JSON. Either may be suitable.

Save Submit Hide Answer(s) *You have used 1 of 4 submissions*