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HW# NoSQL & MongoDB

1) 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 MongoDB? Please justify your answer

     - I will use relational model because the relation of each data is fixed, and we can query more easier with it.

2) Propose an appropriate Relational Model or MongoDB database schema. For each application, clearly justify your choice of database.

a. IoT – MongoDB because the IoT is various, so the collected data isn't fit to keep in table.

b. E-commerce – MongoDB because it is more secure, can store a lot of data and suitable for JSON format

c. Gaming – MongoDB because gaming schema has more unique value which isn't suit for the table

d. Finance – Relational Database because it is easy to contain and the finance data is mainly numerical