

Supplier_Products

```
{
  "Supplier_Number" : 8259,
  "Supplier_Name" : "CBM Inc",
  "Supplier_Street" : "74 5th Avenue",
  "Supplier_City" : "Dayton",
  "Supplier_State" : "OH",
  "Supplier_Zip" : 45220,

  "Part" :{
    Details [
      {"Part_Number" : 137,
      "Part_Name" : "Door latch",
      "Unit_Price" : 22},
      {"Part_Number" : 152,
      "Part_Name" : "Door lock",
      "Unit_Price" : 31},
      {"Part_Number" : 178,
      "Part_Name" : "Door handle",
      "Unit_Price" : 10}
    ]
  }
}
```

Supplier_Products

```
{
  "Supplier_Number" : 8261,
  "Supplier_Name" : "B.R. Molds",
  "Supplier_Street" : "1277 Gandolly Street",
  "Supplier_City" : "Clevand",
  "Supplier_State" : "OH",
  "Supplier_Zip" : 49345,

  "Part" :{
    Details [
      {"Part_Number" : 155,
      "Part_Name" : "Compressor",
      "Unit_Price" : 54}
    ]
  }
}
```

Supplier_Products

```
{
  "Supplier_Number" : 8263,
  "Supplier_Name" : "Jackson Composites",
  "Supplier_Street" : "8233 Micklin Street",
  "Supplier_City" : "Lexington",
  "Supplier_State" : "KY",
  "Supplier_Zip" : 56723,

  "Part" :{
    Details [
      {
        "Part_Number" : 150,
        "Part_Name" : "Door Molding",
        "Unit_Price" : 6}
    ]
  }
}
```

Supplier_Products

```
{
  "Supplier_Number" : 8444,
  "Supplier_Name" : "Bryant Corporation",
  "Supplier_Street" : "4315 Mill Drive",
  "Supplier_City" : "Rochester",
  "Supplier_State" : "NY",
  "Supplier_Zip" : 11344,

  "Part" :{
    Details [
      {
        "Part_Number" : 145,
        "Part_Name" : "Side Mirror",
        "Unit_Price" : 5}
    ]
  }
}
```

Explain two benefits and two disadvantages of this new design and use of a NoSQL environment.

Using this design we can improve performance with NoSQL using a denormalized schema which will improve the query performance by reducing the number of joins necessary. Another advantage is its capability to store data in various different structure formats in order for the application to understand how the data is used. This allows for more flexibility for programmers that need to add and adapt new data into the database.

We recently learned about the acronym ACID. These properties are not well supported in NoSQL therefore making the data that is stored in the database to be less trustworthy. In addition to this, there is no uniqueness within the database. Unlike a relational database, there are no keys to map entities to other entities.