

# Tutorial: Designing and Building a Database in Microsoft Access

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*You should make sure you have read through the notes for this week.*

1. "***Designing a Simple Database.pdf***"
2. "***Implementing a Simple Database.pdf***"

You will find a worked solution for these notes - ***Library.accdb*** - which you should make sure you understand.

## Scenario

Imagine you're starting a small business that sells handmade crafts online. Your business creates unique items like candles, pottery, and jewelry, and sells them through an online store. You need to design a system to manage your inventory, customers, and orders efficiently.

This is a deliberately woolly scenario, you should consider what you might need to make this work, i.e. the minimum requirements and also what things you might include, but are considered extras (not essential data).

### Task (Basic)

- Design an Entity Relationship Diagram (ERD)
- Implement the tables with appropriate fields, primary keys and foreign keys
- Add the relationships in Microsoft Access (helps with form creation)
- Create some forms for data entry

### Task (Advanced)

1. Create bespoke forms to make the user experience for data entry better
2. Create some queries (we will see these next week in more detail)
3. Create some reports (you will need to research this)

If you are struggling with any of these other than the 2 and 3 in **Advanced** then you should have a proper read of the notes and a look at ***Library.accdb***.