Databases

4. Forms

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Outline

What is a database

purpose, design, data types

Create database

software, import data

Query

get data, join tables, SQL language

Interface

connect to database from other program

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Create database

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 connect to database from other program

Goals

After this database course, you should:

1. **Understand** what a database is, and how it works

2. Be able to **create** a simple database

3. Be able to **get data** from any database

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1. **Understand** what a database is, and how it works

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What is a database form?

Database form

A form is a graphical interface that is connected to an underlying table (to add/change data) or a query (to view data)

It provides a user-friendly way to interact with a database

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A form consists of controls, the two most basic ones being:

- Label   (static information for the user)
- Text box   (table cell)

Example

Let's create a form

to enter fishing gears

Enter a new fishing gear

1. We can type directly into the table

GEAR	ICELANDIC	ENGLISH
2	Net	Gill net
5	Dragnót 135 mm	Danish seine
6	Botnvarpa	Bottom trawl
*		

Enter a new fishing gear

1. We can type directly into the table

GEAR ▾	ICELANDIC ▾	ENGLISH ▾
2	Net	Gill net
5	Dragnót 135 mm	Danish seine
6	Botnvarpa	Bottom trawl
*		

2. We can also use an insert query to add data

Enter a new fishing gear

1. We can type directly into the table

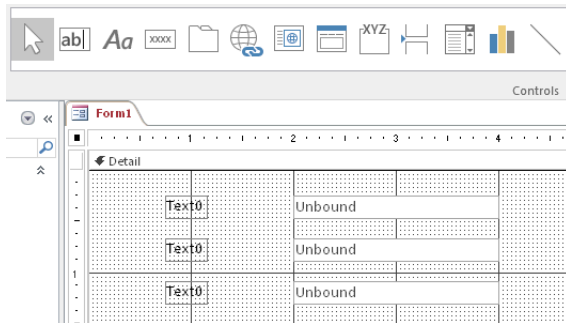| GEAR ▾	ICELANDIC ▾	ENGLISH ▾
2	Net	Gill net
5	Dragnót 135 mm	Danish seine
6	Botnvarpa	Bottom trawl
*		

2. We can also use an insert query to add data

3. But sometimes a form is the best way

Create form

- Create – Form design

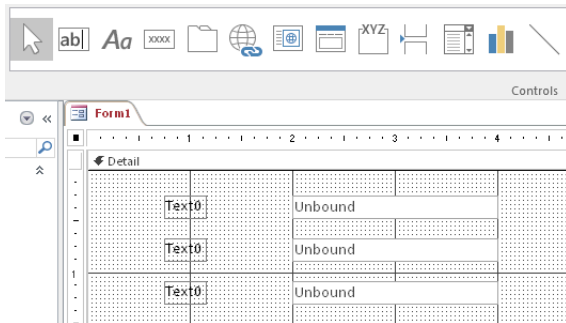- Text box (left side of the screen)

    Draw 3 text boxes on the form
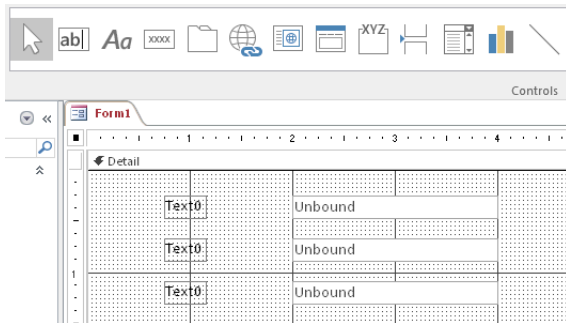
Create form

Set the Label font as black

Create form

Set the Label font as black

And for the **artistic** touch. . .

Create form

Set the Label font as black

And for the **artistic** touch. . .

Right-click and select a light background color

Create form

- Form (left side of the screen)

  Data – Record source: Gears

- Select each text box

  Control source: GEAR / ICELANDIC / ENGLISH

  GEAR text align: Left

- Select each label: Gear/Icelandic/English

- View, click arrows (near the bottom of the screen)

  Enter a new fishing gear