

# PhoneBook walk-through

Going over the [PhoneBook tutorial](#) takes a couple of days, because it is "constructive". The tutorial is an instruction of how to build the [PhoneBook web application](#).

This walk-through is analytical. It explains how the PhoneBook web application is built – in the hope that it serves impatient people better.

As explained in the overview, the PhoneBook's domain is very simple and easy to understand for everybody who has ever used a paper phonebook.

- *Person*-s have one address - a *Location* - and zero or more *PhoneNumber*s
- *Person*-s can share an address, but not a *PhoneNumber*

The words in *italics* are [domain object classes](#) here, and together they constitute the domain of the PhoneBook application:

- *Location*
- *Person*
- *PhoneNumber*

As explained in [PhoneBook project structure](#), three sub-projects constitute the PhoneBook *solution* in Visual Studio:

- `PhoneBook.Domain` – the domain project with all the domain's data and business logic
- `PhoneBook.Sample` – the sample project for exercising the objects (or demonstrating their use)
- `PhoneBook.Web` – the web project (foundation was laid by `uigen.exe`)

`PhoneBook.Web` is the most elaborate project and requires most of the work. [uigen.exe](#) derives a bare-bones (but functional) web application from the domain. What you are seeing in this project is the "embellished" version. Such polishing and customizing of a generated web app requires extra work.

[PhoneBook.Domain -- learn to declare domain object classes](#)

[PhoneBook.Domain -- relationships](#)

[PhoneBook.Sample -- learn what makes domain object classes tick](#)

[PhoneBook.Web -- learn how to embellish the web application](#)