**Online Shop**

**Online Shop** – is a back-end application for online clothes shopping.

It consists of:

* **BaseInfo** – abstract model, with only one field – name;
* **Category** – model, inherits from BaseInfo with all CRUD functions as well as CategoryProducts() for receiving products of dedicated category;
* **Provider**- model, inherits from BaseInfo with all CRUD functions as well as ProviderProducts() for receiving products of dedicated provider;
* **ProductManager1** - Manager for receiving products of only current provider
* **ProductManager2** - Manager for receiving products of only current category
* **Product** – model, inherits from BaseInfo with fileds-
  + *category -Category object;*
  + *provider- Provider object;*
  + *image – File field;*
  + *description- Text field;*
  + *price – Integer field.*

as well as all CRUD functions;

* **OrderManager**- Manager for receiving orders of only current user
* **Order**- model with fields-
  + user – User instance;
  + product\_name – Char field;
  + count- Integer field;

as well as all CRUD functions;

* **ReviewManager**- Manager for receiving reviews of only current user
* **Review**- model with fields-
  + text – Text field;
  + author – User instance

as well as all CRUD functions

* **Profile**- model with fields-
  + user – User instance;
  + info – Text field;
  + DOB – Date field;
  + gender – Char field (Choice from Gender class);
  + avatar – Image field

as well as GET method for receiving your profile.

**Validations**: ImageSizeValidation, ImageExtensionsValidation, for positive number, for length of field.

**Signals**: Autocreation of Profile for User SignUp action, save Profile, Handle deleted category, Handle deleted provider, category.

**User can:** Sign Up/Log In/Log Out