INGI2131 Practical Exercises
Lab 12: Working on the project

Today we will dedicate the lab session to work on the project. We will also give you an example of a functor that can receive different kind of arguments from the command line, printing a help message if the right arguments are not provided. Also, do not forget to get inscribed at the door of our office for the interview.

The complete code containing the following examples can be downloaded from iCampus at Documents → Labs → template.oz.

To get arguments from the command line, it is necessary to call `Application.getArgs` passing the default arguments, specifying its name, short-name (one character), type, and default value. You are allow to use a `try ...  catch` for getting the arguments. This is just to capture the case when arguments do not match the correct ones.

```
PUB = 'Kings Head'
BEERS = 10
Say  = System.showInfo

Args = try
          {Application.getArgs
             record(
                    pub(single char:&p type:atom default:PUB)
                    beers(single char:&b type:int default:BEERS)
                    help(single char:&h default:false)
                   )}
       catch _ then
          {Say 'Unrecognised arguments'}
          optRec(help:true)
       end
```

Once you get the arguments, you can use it in your application as record fields from the variable `Args`.

```
{Say "We will go "#Args.pub#" and have "#Args.beers#" beers"}
{Application.exit 0}
```

More comments and instructions about compiling and executing can be found on the file itself. Ask all the questions you need during the lab session.