



ERMTK

Overview

The aim of our tool, is to generate an ERD from a XERML template in a few seconds.

CLI

To realize our Command Line Interface (CLI) we decided to use cmd2. This Python-Package - which is a extension of the Python Standard Library - allows us to develop a powerful Command Line Interface.

Structure

1. Help

You can also display the whole mock-up if you want to know which commands and parameters are available:

```
ermtk --help
```

or:

```
ermtk -h
```

2. Command

To execute the CLI use the command:

```
ermtk
```

This command activates the ERMTK-Repl Shell.

3. Inputfile/Basic Execution

After you have executed the command "ermtk" you have to type in the name of the input-file so the system knows from where it should take the data.

```
<open> "inputfile"
```

4. Command "list"

If you have used the command "open", then you are able to write following commands to list the data of the file:

Get an overview of all parameters and parameters combinations that you can use:

```
list
```

Get all entity-types and relationship-types with all attributes:

```
list <-all>
```

or:

```
list <-ent> <-rel> <-attr>
```

Get all entity-types and relationship-types:

```
list <-ent> <-rel>
```

Get all entity-types of the file:

```
list <-ent>
```

Get all entity-types with all their attributes:

```
list <-ent> <-attr>
```

Get all relationship-types of the file:

```
list <-rel>
```

Get all relationship-types with their attributes:

```
list <-rel> <-attr>
```

Get a little information about the file:

```
list <-inf>
```

Example calls

Get help:

```
ermtk -h
```

Navigate into the file fussball.prinz.xerml.xml:

```
open fussball.prinz.xerml.xml
```

Get all entity-types of the file:

```
list --ent
```

Get all relationship-types of the file:

```
list --rel
```

Close the CLI:

```
quit
```

or:

exit