

# Assignment 1

- To the HTTP server created during previous practicals, add management over JMX
  - changing the serving directory
  - returning a list, which scripts (Scripting API) the server supports
  - stopping the server
    - the program runs but does not server requests
  - re-launching
  - information about the state (running/stopped)
  - shutting down the server
    - ending the program

# Assignment 2

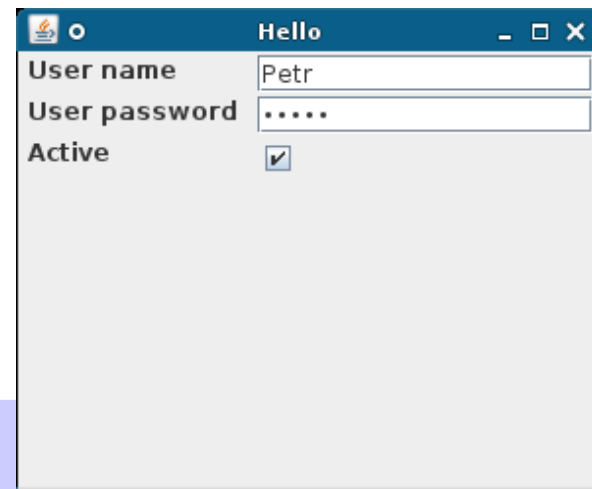
- Create a simple framework for generating forms (a Swing JPanel with other elements) from classes

```
public class FormPanel<T> extends JPanel {  
    public FormPanel(Class<T> clazz) { ... }  
    void setObjectValues(T obj) { ... }  
    void getObjectValues(T obj) { ... }  
}
```

# Assignment 2

- A class to be shown in the form
  - elements for all boolean and String fields
  - the fields can be annotated how the field should be shown in the form

```
public class TestData {  
    @FormField(name="User name", kind=FieldKind.TEXT)  
    String name;  
  
    @FormField(name="User password",  
               kind=FieldKind.PASSWORD)  
    String password;  
  
    boolean active;  
}
```



The screenshot shows a Java Swing window titled "Hello" with a light gray background. It contains three form elements:

- A text input field labeled "User name" containing the text "Petr".
- A password input field labeled "User password" containing five dots ".....".
- A checkbox labeled "Active" which is checked.

# Assignment 2

- Create the classes `FormPanel` and annotations `FormField`



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