

# **Experior**

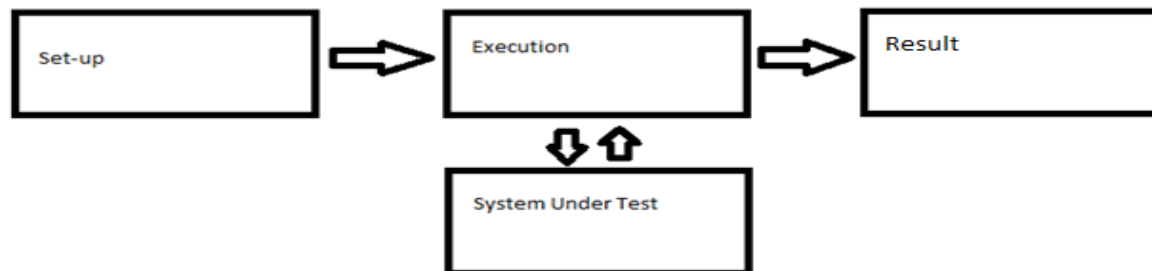
(Domain Specific Test Language)

# Innehåll

- Introduktion
- Verktyg & Miljö
- Utvecklingsprocess
- Testdesign & Exekvering
- Sammanfattning
- Q & A

# Introduktion

- Experior DSTL
  - Testning
  - DSL
  - Syfte



# Introduktion (forts.)

- Tieto
  - R & D
  - Handledare
    - Lars Ohlén
    - Robert Magnusson

# Verktyg & Miljö

- Eclipse
  - Eclipse JDT
  - Eclipse PDE
- Xtext
  - Antlr (Parser Generator)

# Utvecklingsprocess

- EBNF

```
⊖ Model:  
    (elements += Expression)*  
    ;  
  
⊖ Expression:  
    'TestCase' name = ID code = TestCase  
    ;
```

- Interpreter

# Utvecklingsprocess (forts.)

- Plug-ins
  - Launcher
  - ExperiDoc
  - Mindre ändringar av genererade komponenter


# Testdesign & Exekvering

- Testdesign
  - Set-up, Execution, Result



# Testdesign & Exekvering (forts.)

- Set-up
  - Skapa projekt/fil (.exp)
  - Kommentarer
  - Deklaration
  - Xml.load
  - Testkommando
  - Påstående
- Testdesiger



```
HelloExperior.exp X
- /**
  * This is a
  * Hello Experior test
  */
- TestCase HelloExperior
- xml.load "HelloXML.xml"
  GET Tieto // Tieto has value http://www.tieto.com
  ASSERT http.response 200
  ASSERT http.size 27861
```

# Testdesign & Exekvering (forts.)

- Exekvering
  - Konfigurering
    - Resultat destination
  - Användargränssnitt
    - GUI
    - CLI

# Testdesign & Exekvering (forts.)

- Resultat
  - "Rå" output
  - HTML output

```
TestCase: HelloExterior
Interpreter 0.1
Current user is: xxyusupr
GET command name: http://www.tieto.com
Response code = 200 Size = 28117
ASSERT command http.response Expected: 200
Assertion Passed!
http.response = 200
ASSERT command http.size Expected: 27861
Assertion Failed!
http.size=28117
Starttime: 2012/05/08 11:04:00 Endtime: 2012/05/08 11:04:01
```

TestCase: HelloExterior -Passed
Interpreter 0.1
Current user is: xxyusupr
GET command name: http://www.tieto.com
Response code = 200 Size = 28117
ASSERT command http.response Expected: 200
Assertion Passed!
http.response = 200
ASSERT command http.size Expected: 28117
Assertion Passed!
http.size = 28117
Starttime: 2012/05/08 11:16:41 Endtime: 2012/05/08 11:16:43

# Outro

- Synpunkter
- Framtidsutveckling

# Q & A

- Frågor?
  
- Stefan Artan
  - [s.artan89@gmail.com](mailto:s.artan89@gmail.com)
- Roman Yusupov
  - romayusu100@student.kau.se