# ICTSkills Studio (2015)

## Play Framework: Using Eclipse Debugger

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eLearning support unit

# Project *donation*

## Launch *donation* from within Eclipse

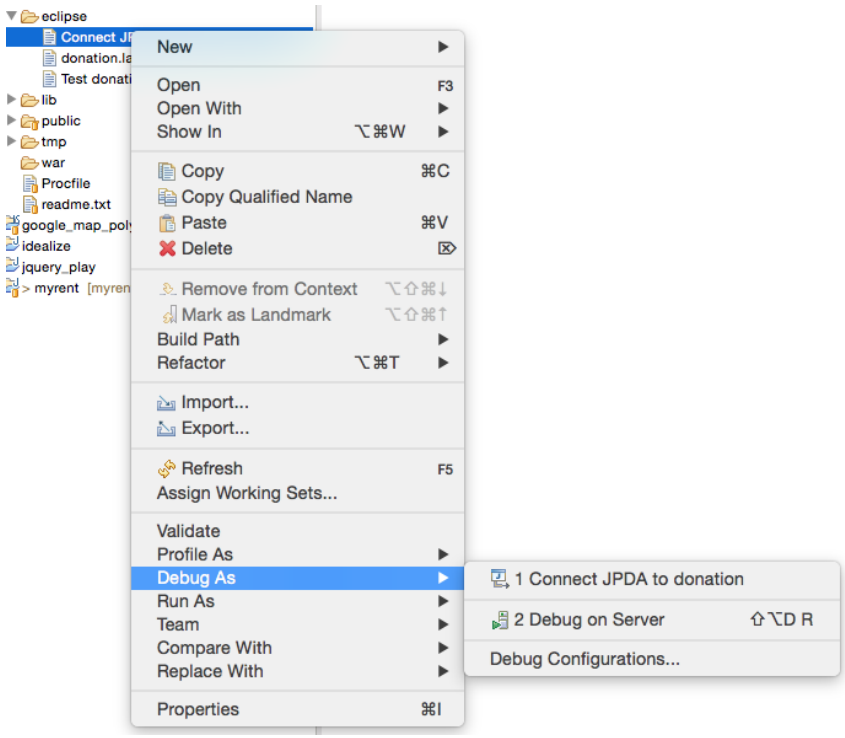
- Ensure application name in file *application.conf* is *donation*.
- Ensure app is not running.
- From terminal in *donation* folder run *play eclipsify*.
- In *donation/eclipse* folder:
  - Select *donation.launch*.
  - In context menu execute:
    - *Run As | donation*
    - Verify in console window server is running.

```
donation [Java Application] /Library/Java/JavaVirtualMachines/jdk1.7.0_45.jdk/Contents/Home/bin/java (18 Jun 2015 14:4
objc[3030]: Class JavaLaunchHelper is implemented in both /Library/Java/JavaVirtualMachines/
Listening for transport dt_socket at address: 57685
14:45:39,065 INFO  ~ Starting /Users/john/repo/ictskills-studio-2015/apps/donation
14:45:39,890 WARN  ~ You're running Play! in DEV mode
14:45:39,942 INFO  ~ Listening for HTTP on port 9000 (Waiting a first request to start) ...
~ Server is up and running
```

# Project *donation*

## Launch debugger

- Once server is running select *Connect JPDA to donation.launch*
  - In context menu execute *Debug as | Connect JPDA to donation*



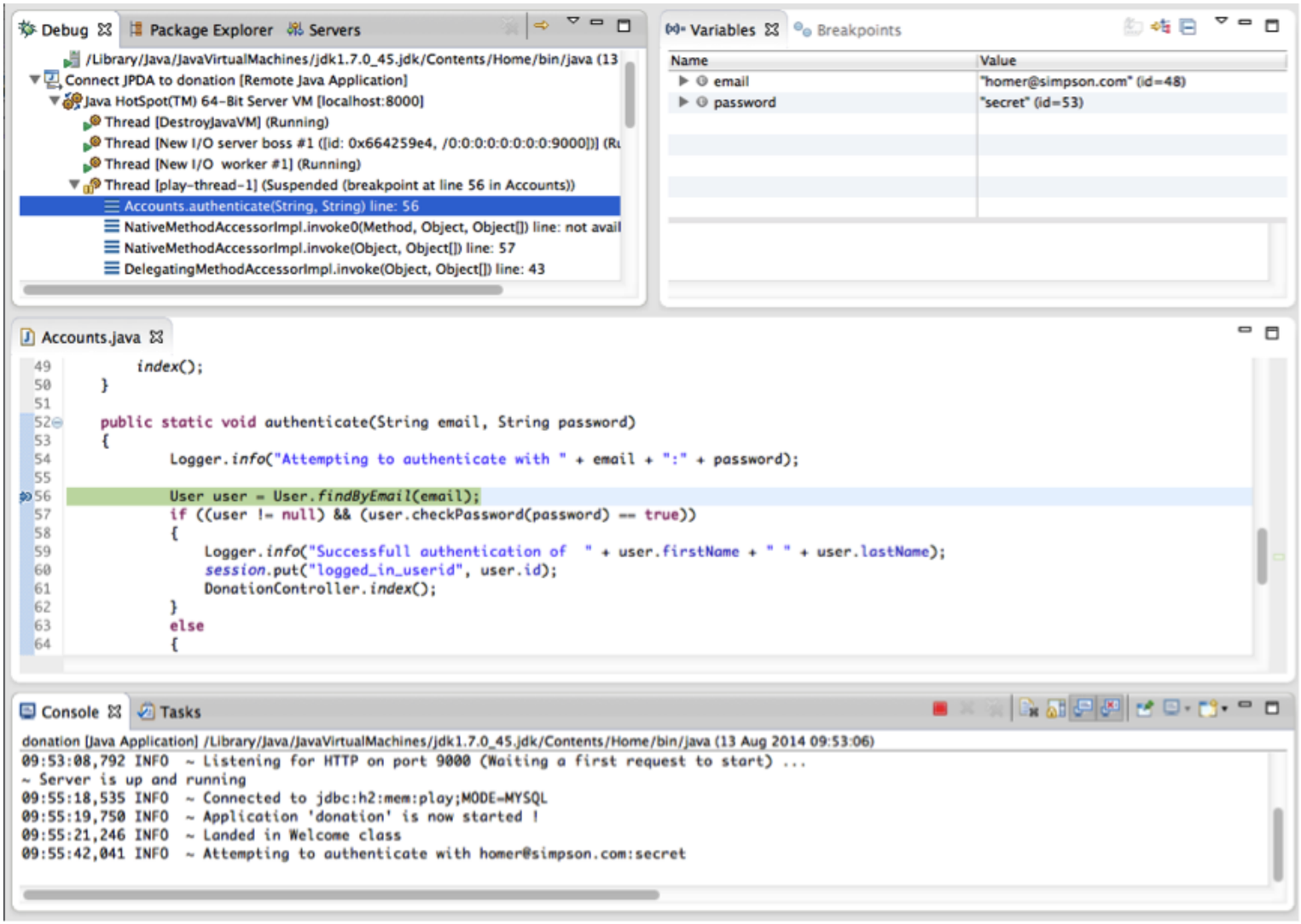
# Project *donation*

## Use breakpoints to inspect code where required

- Place breakpoints where required in controller & model code.
- Browse to localhost:9000
- Perform some action, for example, *sign in*, whose execution path contains breakpoint.
- Perspective changes from Java to Debug.
- Program halts at breakpoint. Use function keys or icons to:
  - F5 : Step into
  - F6 : Step over
  - F7 : Return from method
  - F8: Run to next breakpoint.

# Project *donation*

## Use breakpoints to inspect code where required



# Project *donation*

## Here local variable are revealed

### Local variables in scope