

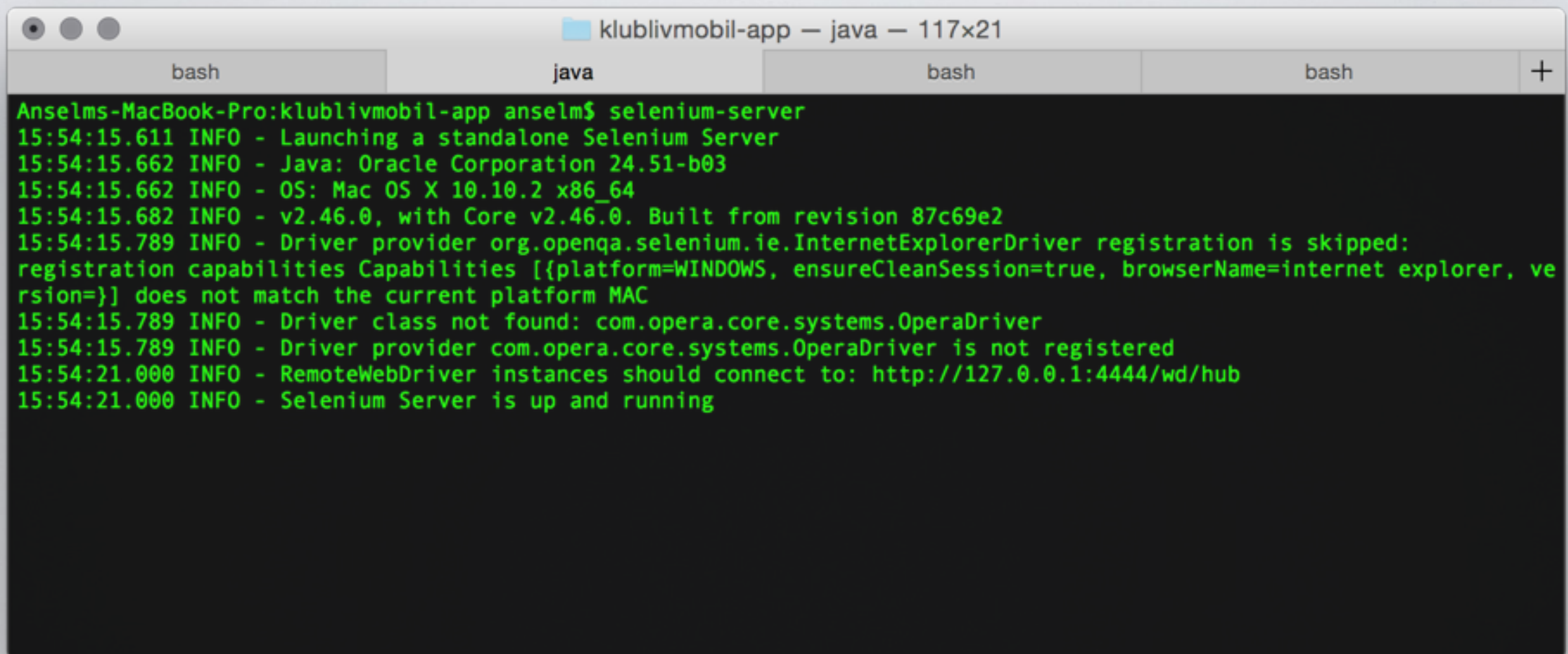
# Behat on Klubliv Mobil

Lightning Talk by Anselm Christophersen (@anselmdk)

StripeConf 2015

Thanks, Sam & Loz

# 1. Start Selenium Server



A terminal window titled "klublivmobil-app — java — 117x21" with four tabs labeled "bash", "java", "bash", and "bash". The terminal output shows the command "selenium-server" being executed, followed by several informational messages from the Selenium server. The messages indicate that the server is launching, provide details about the Java version (Oracle Corporation 24.51-b03) and OS (Mac OS X 10.10.2 x86\_64), and list the built version (v2.46.0). It also shows that the Internet Explorer driver registration is skipped because its capabilities do not match the current platform (MAC), and that the Opera driver is not found or registered. Finally, it states that RemoteWebDriver instances should connect to http://127.0.0.1:4444/wd/hub and that the Selenium Server is up and running.

```
Anselms-MacBook-Pro:klublivmobil-app anselm$ selenium-server
15:54:15.611 INFO - Launching a standalone Selenium Server
15:54:15.662 INFO - Java: Oracle Corporation 24.51-b03
15:54:15.662 INFO - OS: Mac OS X 10.10.2 x86_64
15:54:15.682 INFO - v2.46.0, with Core v2.46.0. Built from revision 87c69e2
15:54:15.789 INFO - Driver provider org.openqa.selenium.ie.InternetExplorerDriver registration is skipped:
registration capabilities Capabilities [{platform=WINDOWS, ensureCleanSession=true, browserName=internet explorer, ve
rsion=}] does not match the current platform MAC
15:54:15.789 INFO - Driver class not found: com.opera.core.systems.OperaDriver
15:54:15.789 INFO - Driver provider com.opera.core.systems.OperaDriver is not registered
15:54:21.000 INFO - RemoteWebDriver instances should connect to: http://127.0.0.1:4444/wd/hub
15:54:21.000 INFO - Selenium Server is up and running
```

## 2. Run test

```
public -- bash -- 117x56
bash      java      bash      bash      +
Anselms-MacBook-Pro:public anselm$ vendor/bin/behav @mysite
Bootstrapping
Creating test session environment
Temp Database: ss_tmpdb5518584

Feature: Signup Customer Step
  As a site owner
  I want to know that the signup customer step works
  So that new users can create an account when placing an order

  Scenario: Validate customer fields
    # mysite/tests/behav/features/signup-custome
    r.feature:6
    When I skip to the "ClientStep" signup form step # Mysite\Test\Behaviour\FeatureContext::iSk1
    pToTheSignupFormStep()
    And I press "action_next" # Mysite\Test\Behaviour\FeatureContext::pres
    sButton()
    Then the "#Email" element should contain "Dette felt er påkrævet." # Mysite\Test\Behaviour\FeatureContext::asse
    rtElementContains()
    And the "#Password" element should contain "Dette felt er påkrævet." # Mysite\Test\Behaviour\FeatureContext::asse
    rtElementContains()
    When I fill in "Email" with "mrsmith@test.com" # Mysite\Test\Behaviour\FeatureContext::fill
    Field()
    And I fill in "Password[_Password]" with "foo" # Mysite\Test\Behaviour\FeatureContext::fill
    Field()
    And I fill in "Password[_ConfirmPassword]" with "bar" # Mysite\Test\Behaviour\FeatureContext::fill
    Field()
    And I press "action_next" # Mysite\Test\Behaviour\FeatureContext::pres
    sButton()
    Then the "#Password" element should contain "Kodeord er ikke ens" # Mysite\Test\Behaviour\FeatureContext::asse
    rtElementContains()
    When I skip to the "ClientStep" signup form step # Mysite\Test\Behaviour\FeatureContext::iSk1
    pToTheSignupFormStep()
    And I fill in "Email" with "mrsmith@test.com" # Mysite\Test\Behaviour\FeatureContext::fill
    Field()
    And I fill in "Password[_Password]" with "1234567" # Mysite\Test\Behaviour\FeatureContext::fill
    Field()
    And I fill in "Password[_ConfirmPassword]" with "1234567" # Mysite\Test\Behaviour\FeatureContext::fill
    Field()
    And I press "action_next" # Mysite\Test\Behaviour\FeatureContext::pres
    sButton()
    Then the "#Password" element should contain "Kodeordet er for kort" # Mysite\Test\Behaviour\FeatureContext::asse
    rtElementContains()
    And the "#Password" element should contain "8" # Mysite\Test\Behaviour\FeatureContext::asse
    rtElementContains()
    When I skip to the "ClientStep" signup form step # Mysite\Test\Behaviour\FeatureContext::iSk1
    pToTheSignupFormStep()
    And I fill in "Email" with "mrsmith@test.com" # Mysite\Test\Behaviour\FeatureContext::fill
    Field()
    And I fill in "Password[_Password]" with "123456789" # Mysite\Test\Behaviour\FeatureContext::fill
    Field()
    And I fill in "Password[_ConfirmPassword]" with "123456789" # Mysite\Test\Behaviour\FeatureContext::fill
    Field()
    And I press "action_next" # Mysite\Test\Behaviour\FeatureContext::pres
    sButton()
    Then I should see a ".OverviewStep" element # Mysite\Test\Behaviour\FeatureContext::asse
    rtElementOnPage()
```



# 3. Browser magic starts

# 4. Evaluate test

```
public — bash — 117x25
bash      java      bash      bash      +
Test\Behaviour\FeatureContext::fillField()
  And I fill in "expmon" with "06" # Mysite\
Test\Behaviour\FeatureContext::fillField()
  And I fill in "expyear" with "24" # Mysite\
Test\Behaviour\FeatureContext::fillField()
  And I fill in "cvc" with "684" # Mysite\
Test\Behaviour\FeatureContext::fillField()
  And I press "btnAuthSubmit" # Mysite\
Test\Behaviour\FeatureContext::pressButton()
  Then I should see "Betalingen er godkendt" # Mysite\
Test\Behaviour\FeatureContext::assertPageContainsText()
  When I press "btn_continue" # Mysite\
Test\Behaviour\FeatureContext::pressButton()
  And I confirm the popup # Mysite\
Test\Behaviour\FeatureContext::confirmPopup()
  Then I should see a ".NemidStep" element # Mysite\
Test\Behaviour\FeatureContext::assertElementOnPage()

11 scenarios (8 passed, 3 failed)
201 steps (182 passed, 16 skipped, 3 failed)
4m35.671s
Killing test session environment... done!
Killing test session environment... done!
You have mail in /var/mail/anselm
Anselms-MacBook-Pro:public anselm$ vendor/bin/behat @mysite
```

# 5. Check errors

```
public — bash — 117x37
bash      java      bash      bash      +
    And I fill in "expmon" with "06"
Field()
    And I fill in "expyear" with "24"
Field()
    And I fill in "cvc" with "684"
Field()
    And I press "btnAuthSubmit"
sButton()
    And I press "btn_continue"
sButton()
    And I confirm the popup
irmPopup()
    Then I should see a ".NemidStep" step element
uldSeeAStepElement()
Saving screenshot into /Users/anselm/git-repos/current/klublivmobil-app/temp/behat-screenshots/signup-endtoend-newnum
ber.feature_37.png
    And I complete the NemID login
pleteTheNemidLogin()
    Button with id|name|title|alt|value "Næste" not found.
    And I fill in "Cpr" with "090583-3065"
Field()
    And I press "action_next"
sButton()
    Then I should see "Tak for din bestilling"
rtPageContainsText()

Feature: Signup NemID Step
  As a site owner
  I want to know that the nemid order form step works
  So that new users can verify their identity

  Scenario: Check that CPR number and NemID are validated correctly
features/signup-nemidstep.feature:6
    When I skip to the "NemidStep" signup form step
ur\FeatureContext::iSkipToTheSignupFormStep()
    Then the "SignUpForm_SignUpForm_action_next" element should be hidden
ur\FeatureContext::theElementShouldBeHidden()
```

# 6. Check screenshots

The screenshot shows the Klubliv Mobil website's registration page. The header includes the Klubliv Mobil logo, navigation links for 'Mobilpakker', 'Mobildata', 'Støt din klub', and 'Om os', and user options for 'Log ind' and 'Kundeservice'. The main heading is 'Tilmelding' (Registration), with a progress bar showing steps: 'Bestil', 'Kunde', 'Oversigt', 'Betaling', 'Nemid' (active), and 'Kvittering'. A security notice states that the user's safety is the priority and that they must use NemID for registration on the website. Below this is a text input field for the user's CPR number. A loading spinner is visible in the center of the page. On the right side, there is a 'Din bestilling' (Your order) section showing a subscription for 12 hours and 12 GB for 99 DKK per month. Below this is a 'Spørgsmål?' (Question?) section with a link to 'Ring til kundeservice' (Call customer service). At the bottom right, there is a list of accepted payment methods: Dankort, VISA-Dankort, VISA Electron, VISA, MasterCard, and Maestro. The footer contains a Facebook link and the Klubliv Danmark logo, which is the official main sponsor, developed by DCI.

klublivmobil

Log ind Kundeservice

Mobilpakker Mobildata Støt din klub Om os

## Tilmelding

→ Bestil → Kunde → Oversigt → Betaling → **Nemid** → Kvittering

Hos Klubliv Mobil sætter vi din sikkerhed i højsædet, derfor skal du ved bestilling på [www.klublivmobil.dk](http://www.klublivmobil.dk) anvende NemID.  
Dit CPR-nummer valideres via NemID, for at beskytte dig mod at det bliver misbrugt.  
Du vil automatisk blive logget af NemID, når du har bestilt eller lukker vinduet.

**INDTAST DIT CPR NUMMER**

**BEKRÆFT MED NEMID**

Din bestilling

Abonnement	
12 timer - 12 GB 99 kr.	DKK 99,00
I alt per måned	DKK 99,00

Spørgsmål?  
Ring til kundeservice

Du kan betale med følgende kort:

- Dankort
- VISA-Dankort
- VISA Electron
- VISA
- MasterCard
- Maestro

Besøg os på Facebook

Official hovedsponsor for  
**KLUBLIV DANMARK**  
Udviklet af DCI

klublivmobil



Demo

# Call for Action

- Setup process not very obvious
- Lacking documentation
- Feels much like magic

Thanks