



# ONLINE APPLICATION IN ORACLE FLUID AND BRANDING

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# PRESENTERS

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# SaNS Expertise Centrum



Shared PeopleSoft  
Campus Solutions  
Maintenance and  
Development



Campus Specialist, with Dutch roots,  
EMEA footprint and a world outlook.

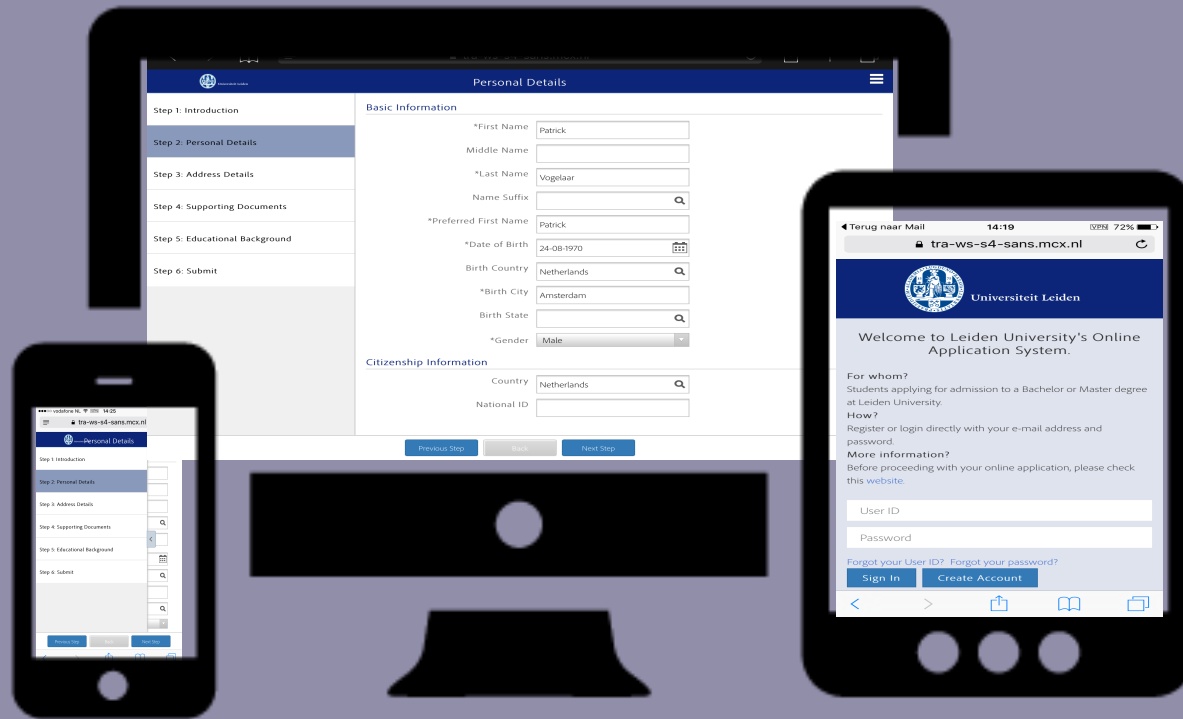
Founded in 2007

7 Employees, 5 associates and growing

3 Fluid projects

# OUTLINE

- Fluid Admissions in Campus Solutions
- Why Fluid?
- Demo
- Our Approach
- Planning
- Some thoughts...



# FLUID ADMISSIONS IN CS

Building Proof of Concept  
for Leiden University's  
online application forms  
with AAWS.

# ONLINE ADMISSION APPLICATION

Online Application possibilities listed:

1. EXTERNAL FRONT-END SYSTEM  
External non-PeopleSoft system using AAWS as interface
2. INTERNAL (S)OLA BASED ONLINE ADMISSIONS  
Based on the Sample OnLine Application
3. INTERNAL FLUID BASED ONLINE ADMISSIONS  
Same functionality as (S)OLA, but with enhanced user-experience

# ONLINE ADMISSION APPLICATION

External non-PeopleSoft system using AAWS as interface

The screenshot displays the Hogeschool van Amsterdam online admission application interface. On the left, a sidebar contains a navigation menu with options: 'Uitloggen', 'Programmagegevens' (checked), 'Persoonsgegevens' (checked), 'Adresgegevens' (selected), 'Open Vragen', 'Upload documenten', 'Bevestig aanmelding', and 'REGISTRATIE-STATUS'. Below the menu, a progress bar shows 'Aanmeldingsprofiel' as the current step. A note states: 'Wanneer alle verplichte velden correct zijn ingevuld, kun je het formulier verzenden.'

The main content area features the 'Vrije Universiteit Brussel' logo and a yellow header. A banner on the right says 'Start je aanvraag vandaag nog' with a progress bar. The central section is titled 'AANMELDEN VUB PROGRAMMA' and includes the instruction: 'Start hier met het aanmaken van je account of log in en meld je aan bij de VUB!'. Below this are links for 'ACCOUNT AANMAKEN' and 'INLOGGEN'. The 'INLOGGEN' section contains an information icon and text: 'Geef je gebruikersnaam en paswoord in. Indien je reeds een VUB-student bent, log je in met je NetID en paswoord. Contacteer de [Helpdesk SAC](#) indien je problemen hebt bij het inloggen.' It includes input fields for '\*Gebruikersnaam' and '\*Paswoord', and an 'INLOGGEN' button. A note at the bottom states: '\*verplichte velden.'

On the left side of the main content area, a list of navigation links is provided: 'HOME' (Beheer je aanvragen en consulteer de status van je ingediende aanvragen.), 'PERSOONSgegevens' (Controleer je persoonlijke gegevens of vul aan met recentere informatie), 'VOORKEUREN PRIVACY' (Bepaal je privacy-voorkeuren), 'VOOROPLEIDING' (Bekijk of voeg informatie toe over je secundaire of hogere studies), 'SOCIALE VOORZIENINGEN' (Duid hier aan of je dit jaar een studietoelage zou willen aanvragen of zou willen genieten van andere sociale voorzieningen.), 'INSTROOMENQUETE' (Neem deel aan de bevraging voor nieuwe studenten.), 'AANVRAAG PROGRAMMA' (Kies het programma waarvoor je je aanmeldt en raadpleeg mogelijke vrijstellingen. Opgelet: hiervoor dien je wel eerst je vooropleiding in te vullen.), and 'CHECKLIST DOCUMENTEN' (Raadpleeg de lijst van vereiste documenten en lever deze digitaal aan.).



# ONLINE ADMISSION APPLICATION

Sample internal (SOLA) based admission page

**Basic Information** **Contact Information** **Emergency Contact** **Academics** **Other** **Submit**

**Basic Information**

Legal First Name

Legal Middle Name

Legal Last Name

Name Suffix

Preferred First Name

Date of Birth

Birth Country

Birth City

Birth State

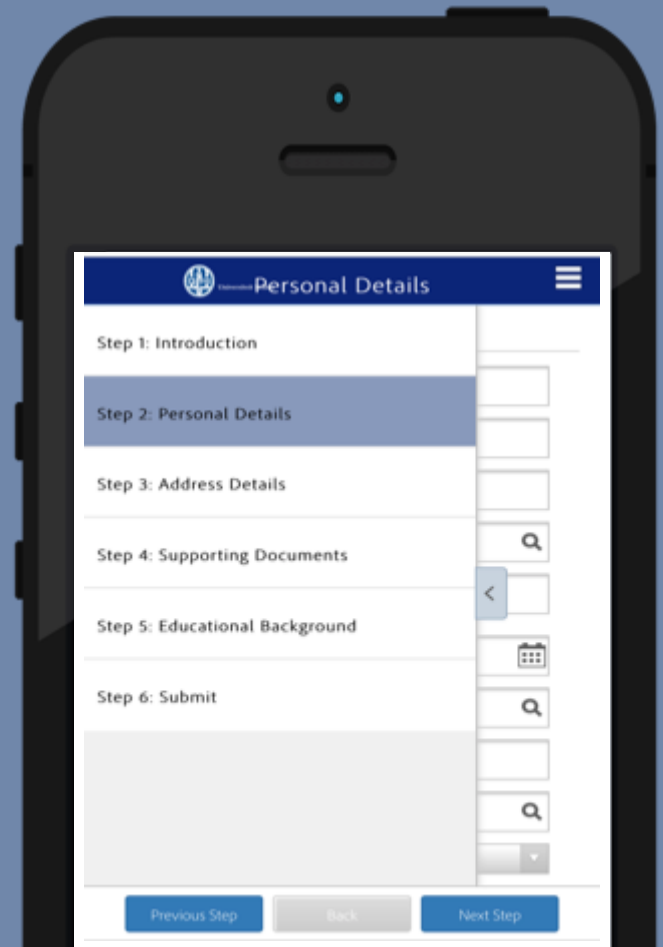
Gender

**Citizenship Information**

Country

**Military Information**

Military Status



# WHY FLUID?

Make applications  
platform independent

# WHY ORACLE FLUID?

A few pro's for Oracle Fluid

1. **RESPONSIVE DESIGN**  
pages will resize dynamically to fit screen device.
2. **PEOPLESOFT**  
Same maintenance and security as classic pages. Peoplecode!
3. **BRANDING**  
Easy maintenance of custom styles and images.
4. **EMBRACING STANDARD TECHNOLOGIES**  
CSS 3.0, jQuery, HTML 5
5. **PERFORMANCE**  
Faster than an external website, since AAWS is used internally.

1

LEARN  
Fluid

2

Configuring  
AAWS & NUR

3

Follow steps  
Classic to Fluid

4

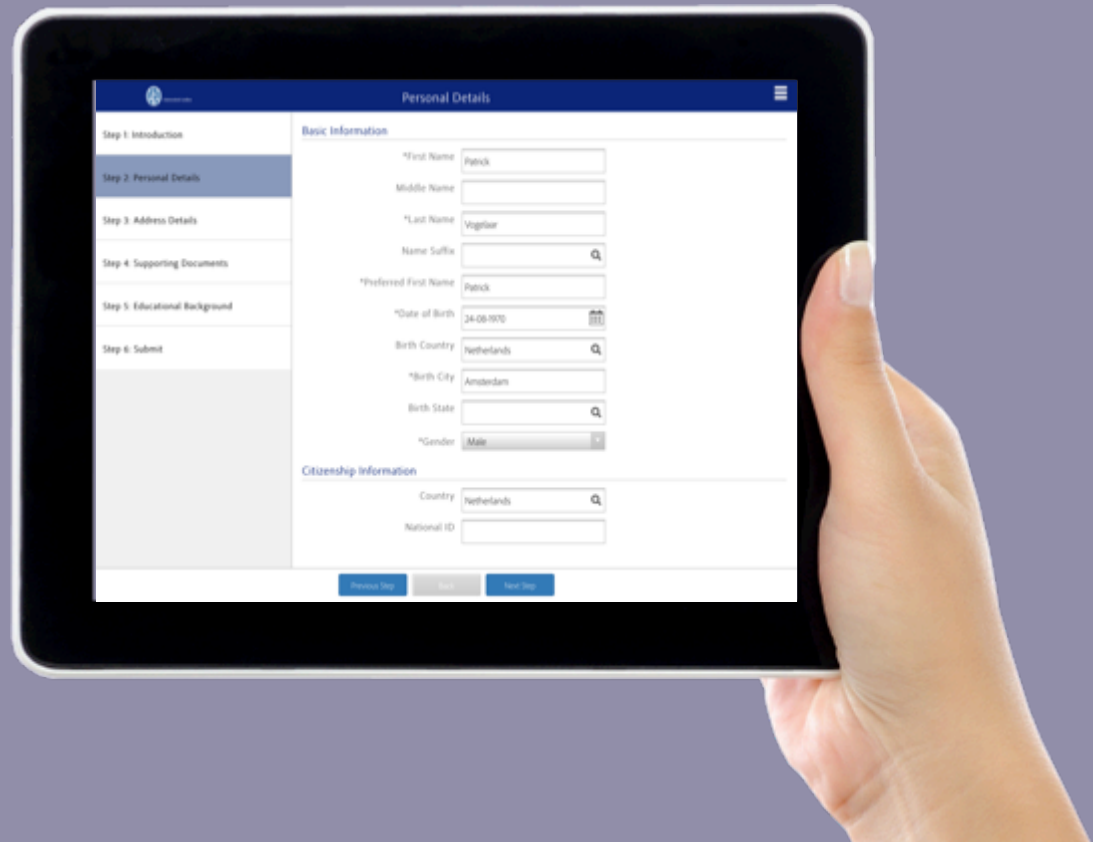
Create Menu  
navigation

5

Corporate  
Branding

# OUR APPROACH

How we implemented the  
Online Application in Fluid



# DEMO

Live demonstration Online  
Application on desktop  
and mobile device



# 1. LEARN FLUID

- Oracle documentation
- Fluid E-books
- VM images HRMS 9.2





## 2. CONFIGURING AAWs

- Configure and activate predefined AAWs webservices for user registration and admission

### Service Operations - Search

**Search Criteria**

Service:  [Add a New Value](#)

Service Operation:

Operation Type:

Operation Alias:

[Search](#)

Service	Service Operation	Operation Type
SCC_USERREG	SCC_CHECK_AUTH	Synchronous
SCC_USERREG	SCC_USERREG_AUTHENTICATE	Synchronous
SCC_USERREG	SCC_USERREG_CREATEACCT	Synchronous
SCC_USERREG	SCC_USERREG_GET_PASSWORD	Synchronous
SCC_USERREG	SCC_USERREG_GET_PSWD_HINT	Synchronous
SCC_USERREG	SCC_USERREG_GET_USERID	Synchronous

### Service Operations - Search

**Search Criteria**

Service:  [Add a New Value](#)

Service Operation:

Operation Type:

Operation Alias:

[Search](#)

Service	Service Operation	Operation Type	Operation Alias
SAD_ADMISSIONS	SAD_CREATEAPPL	Synchronous	
SAD_ADMISSIONS	SAD_GETAPPL	Synchronous	
SAD_ADMISSIONS	SAD_GETAPPLS	Synchronous	
SAD_ADMISSIONS	SAD_GETATTACH	Synchronous	
SAD_ADMISSIONS	SAD_SAVEAPPL	Synchronous	
SAD_ADMISSIONS	SAD_SUBMITAPPL	Synchronous	



# CONFIGURING NUR

Define new user context and redirect to target (admission) page

Favorites ▾ Main Menu ▾ > Set Up SACR ▾ > System Administration ▾ > Utilities ▾ > New User Registration ▾ > New User Registration Context

**ORACLE**

## New User Registration Context

New User Registration Context ID: SCC\_NURCTXT\_20150706143052

New User Registration Context:

Description:

Default: ☒

\*Status:

\*Provisioning Context:

**Security to Provision** Personalize | Find | | First 1 of 1 Last

Role Name	Description	View Definition
1 <input type="text" value="SNS_OLA_FLUID"/>	Sans Fluid Online Application	<a href="#">View Definition</a>

**Target Page**

URLID:

Or

Component Name:  Sad Ola 3rdparty

Menu Name:

Menu Bar Name:  Use

Item Name:  SaNS Online Application

Page Name:  Default Layout Page

Access Mode:

\*Node Name:  PS HRMS - Local Node



# 3. CLASSIC TO FLUID

Save classic page as a fluid subpage with new name

Remove / update / redesign objects that are not supported in fluid

Add groupboxes for styling and fine adjust layout using CSS

Classic SOLA page

☐ Fluid Page

Screenshot of a Classic SOLA page titled 'SAD\_OLA\_TRAIN'. The page is divided into three main sections: 'Basic Information', 'Citizenship Information', and 'Military Information'. Each section contains several input fields and dropdown menus. At the bottom, there are 'Cancel', 'Save', and 'Next Step' buttons.

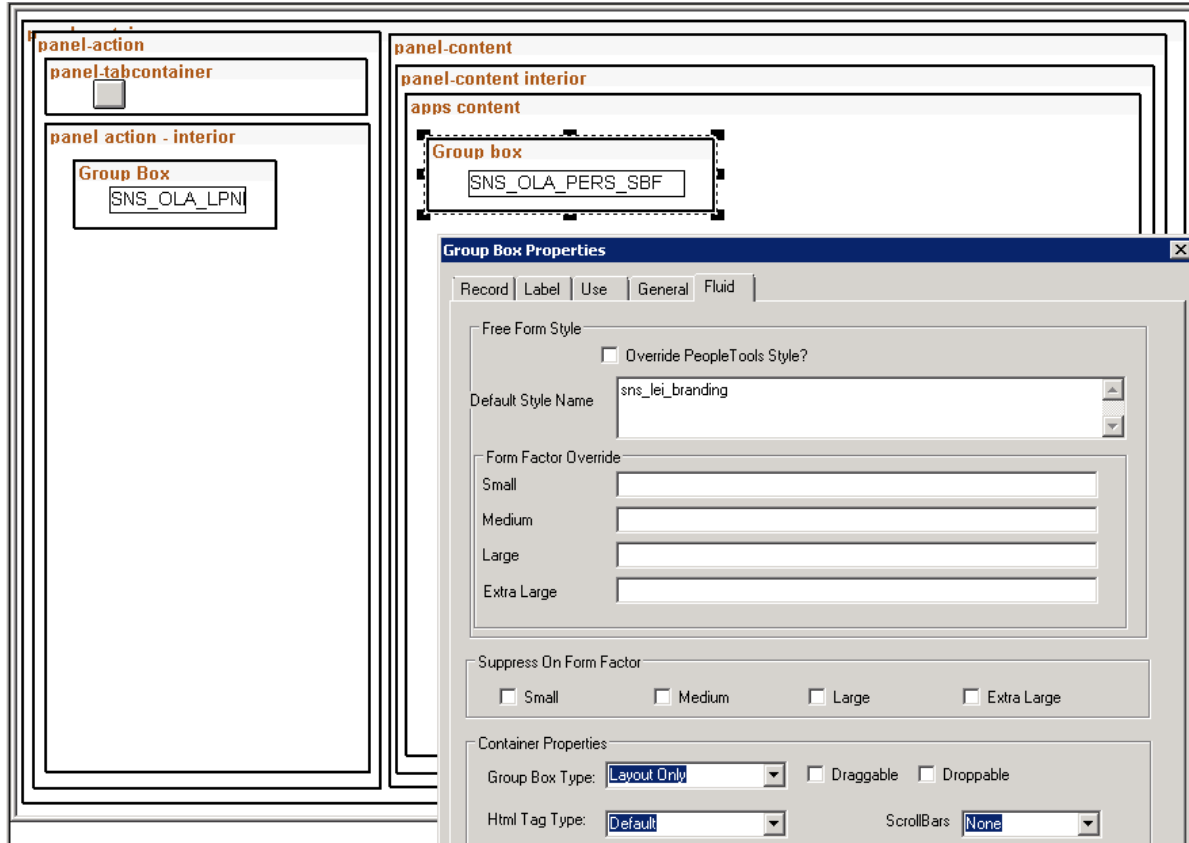
Fluid subpage

☒ Fluid Page

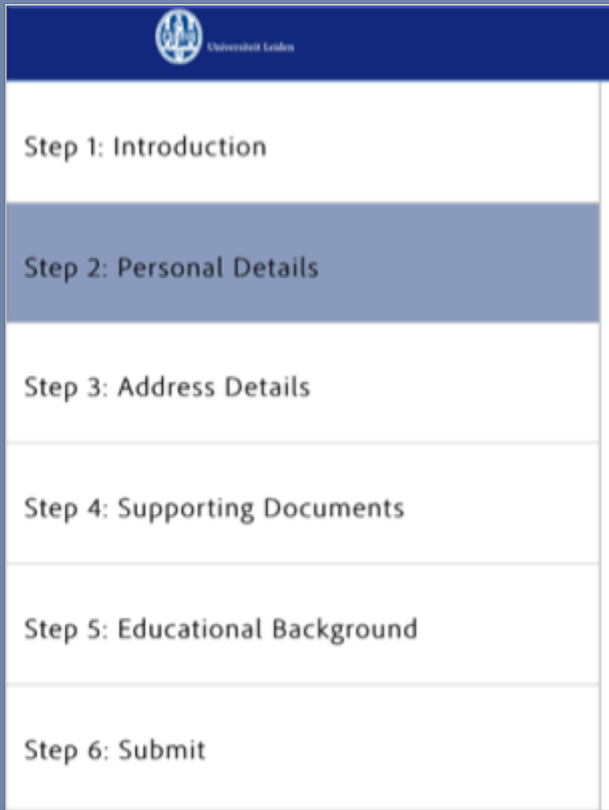
Screenshot of a Fluid subpage titled 'Dummy Name'. The page is divided into three main sections: 'Basic Information', 'Group Box', and 'Citizenship Information'. Each section contains several input fields and dropdown menus. An 'Edit Box Properties' dialog box is open over the 'Group Box' section, showing options for 'Record', 'Label', 'Use', 'General', and 'Fluid'. The 'Fluid' tab is selected, and the 'Default Style Name' is set to 'psc\_control-width15em'.

# 3. CLASSIC TO FLUID

Create new fluid page from template (2 panel lay-out) and add subpage(s)







University of Leiden

Step 1: Introduction

Step 2: Personal Details

Step 3: Address Details

Step 4: Supporting Documents

Step 5: Educational Background

Step 6: Submit

## 4. CREATE MENU NAVIGATION

Menu adopts new pages automatically

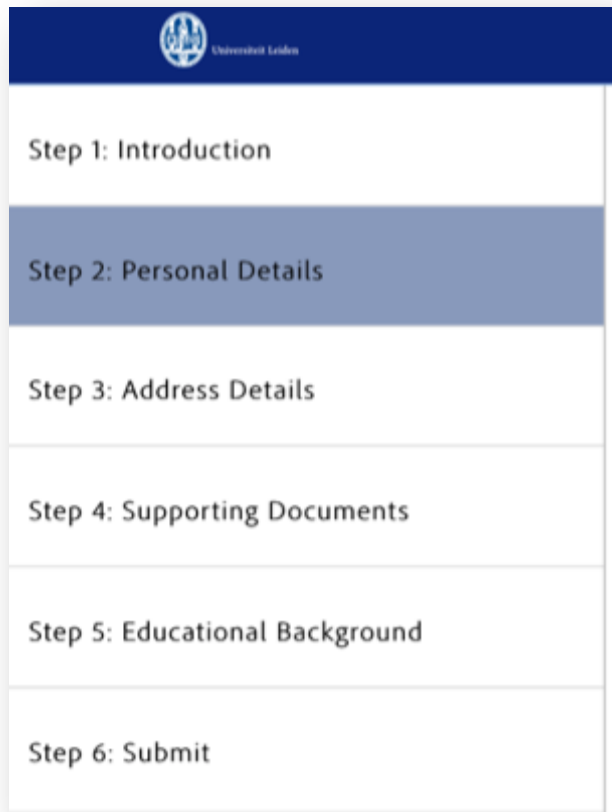
# 4. CREATE MENU NAVIGATION



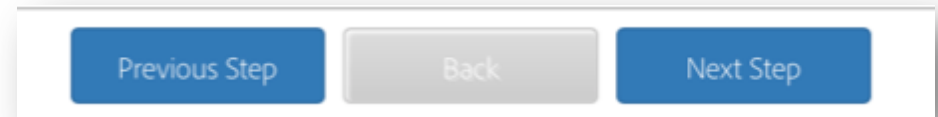
PEOPLESOFT FLUID : A tutorial for the Peoplesoft fluid interface Development



PEOPLESOFT HCM9.2 PUM Image



Side navigation



Bottom navigation

# 4. CREATE MENU NAVIGATION

The screenshot displays a web application interface with a multi-step navigation menu on the left and a table of menu items on the right. The menu on the left lists steps from "Step 1: Introduction" to "Step 6: Submit". The table on the right lists menu items with their page names, item names, hidden status, and labels. Annotations with arrows explain how the menu order and names are determined, and how navigation is enabled.

	Page Name	Item Name	Hidden	Item Label
1	SNS_OLA_HOME	SNS_OLA_HOME_FL	<input type="checkbox"/>	Online Application H
2	SNS_OLA_INTRO	SNS_OLA_INTRO_FL	<input type="checkbox"/>	Introduction
3	SNS_OLA_PERS_F	SNS_OLA_PERS_FL	<input type="checkbox"/>	Personal Details
4	SNS_OLA_CNTAC	SNS_OLA_CNTACT_FL	<input type="checkbox"/>	Address Details
5	SNS_OLA_ATTAC	SNS_OLA_ATTACH_FL	<input type="checkbox"/>	Supporting Docume
6	SNS_OLA_PRIEDU	SNS_OLA_PRIEDU_FL	<input type="checkbox"/>	Educational Backgr
7	SNS_OLA_SUBMIT	SNS_OLA_SUBMIT_FL	<input type="checkbox"/>	Submit

Menu order based on page rank

Menu names

2<sup>nd</sup> navigation is enabled based on position in menu

# 5. CORPORATE BRANDING

Learn about the corporate branding of your institution (Dutch: “huisstijl”).

Most institutions publishes their corporate branding documents online.



# 5. INTERNET TRENDS

Our Online Applications must have a modern design. So we tried to figure out how leading internet companies designed their websites.

**Jumbotron**

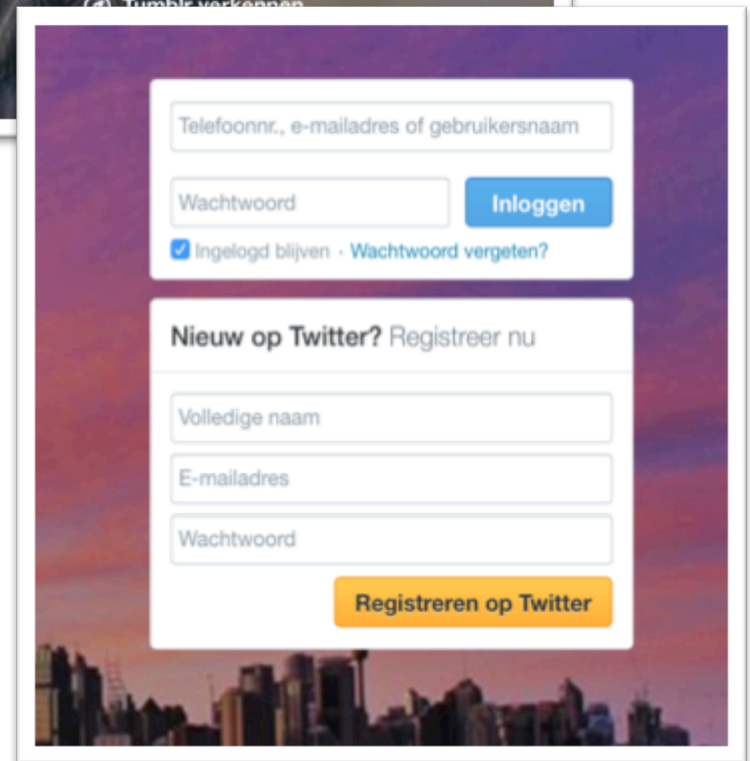
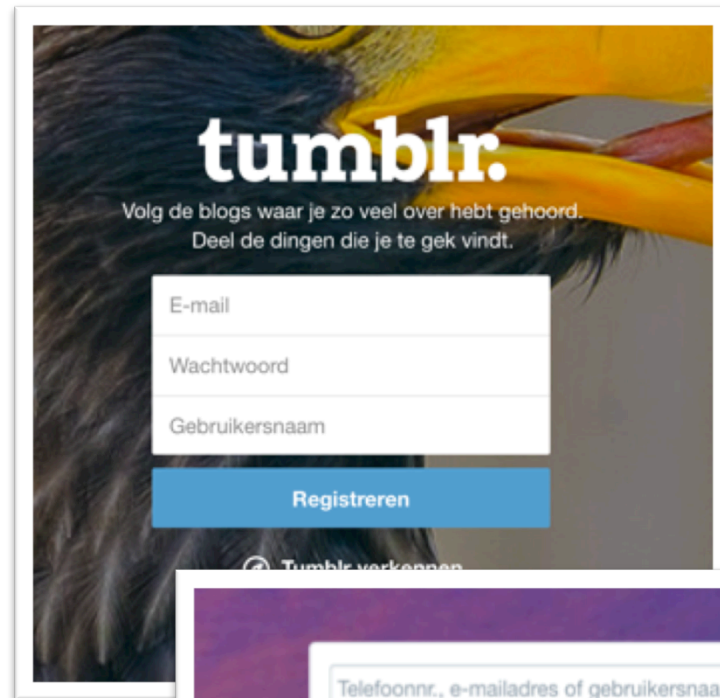
**Monochrome icons**

Fine round corners

**FLAT DESIGN**

Sans-serif

**LABELS in PLACEHOLDER**





# 5. BRANDING

We chose not to rewrite the complete stylesheet, but only the used elements.

The custom stylesheet is activated on demand. ***By using a magic word!***





# 5. BRANDING

Overruling standard style sheet elements

Personal Details

Step 1: Introduction  
Step 2: Personal Details  
Step 3: Address Details  
Step 4: Supporting Documents  
Step 5: Educational Background  
Step 6: Submit

Personal Information

\*First Name:   
\*Middle Name:   
\*Last Name:   
Name Suffix:   
\*Preferred First Name:   
\*Date of Birth:   
Birth Country:   
\*Birth City:   
Birth State:   
\*Gender:

Citizenship Information

Country:

Previous Step Back Next Step

Step 1: Introduction  
Step 2: Personal Details  
Step 3: Address Details  
Step 4: Supporting Documents  
Step 5: Educational Background  
Step 6: Submit

Personal Information

\*Preferred First Name:   
\*Date of Birth:   
Birth Country:   
\*Birth City:   
Birth State:   
\*Gender:

Citizenship Information

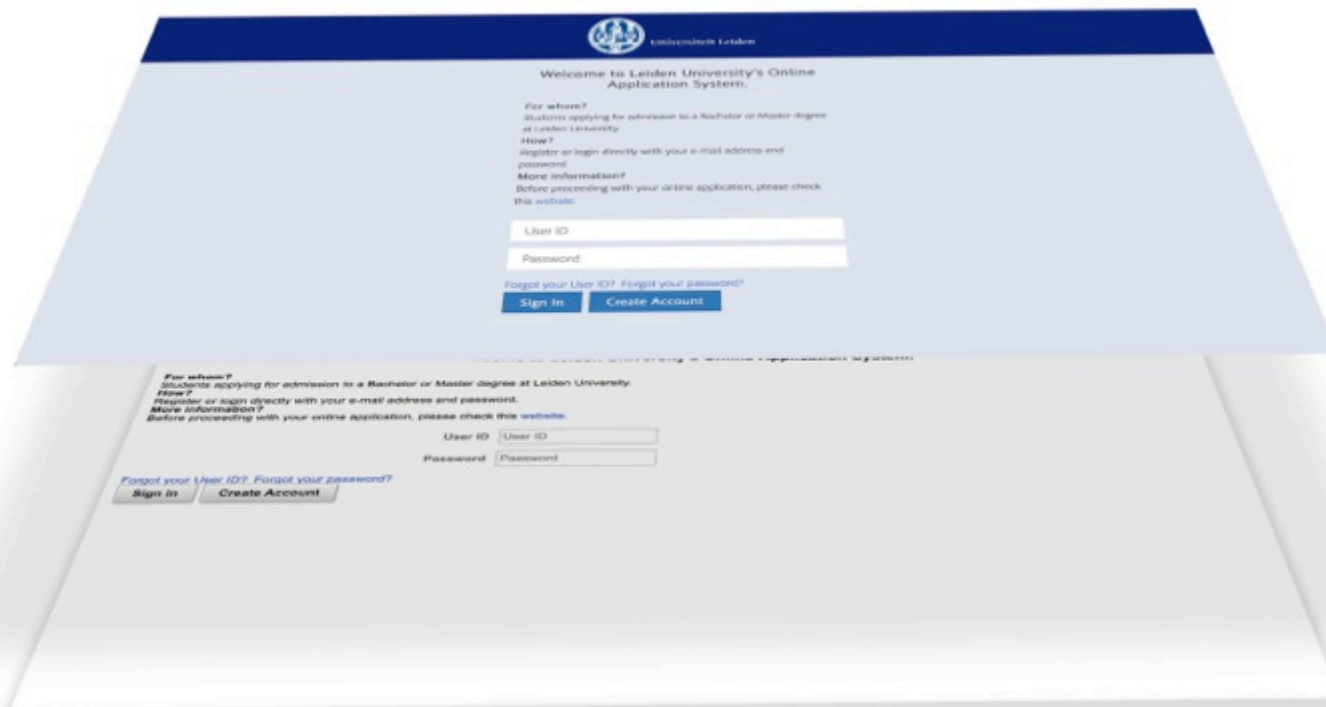
Country:

National ID:

Previous Step Back Next Step



## 5. BRANDING



# 5. BRANDING

Online Application HOME page

Current Application(s)

Application Nbr	Institution	Academic Career	Status	Options
10227258				
10227260				
10227262				
10227263				
10227264				

Current Application(s)

Application Nbr	Institution	Academic Career	Status	Options
10227258	IN020	Bachelor	SAVED	<a href="#">Edit</a>
10227260	IN020	Bachelor	SAVED	<a href="#">Edit</a>
10227262	IN020	Bachelor	SAVED	<a href="#">Edit</a>
10227263	IN020	Bachelor	SAVED	<a href="#">Edit</a>
10227264	IN020	Bachelor	SAVED	<a href="#">Edit</a>

Group Box Properties

Record Label Use General Fluid

Free Form Style

☐ Override PeopleTools Style?

Default Style Name ps\_apps\_content [lei branding](#)

one click branding



Fluid Expert



15 days ( Knowledge transfer / development)

PeopleSoft Developer



15 days ( Mainly Development )

Webexpert



5 days ( Design / Branding)

# PLANNING

Time and effort spent on  
project for each role



# SOME THOUGHTS

Issues and future  
developments

# Some thoughts...

- Avoid complex subpage structure
  - Make 1 fluid page for every step.
- Using NUR
  - Transfer shows classic homepage for a few seconds.
  - Error message in firefox after redirect to target page
- KIOSK versus Firewall
  - Security policy for “open kiosk”
  - Add e.g. Captcha to protect



# FUTURE DEVELOPEMENT

- More dynamic web design – Less Peoplecode
- Rewrite default fluid stylesheet

# QUESTIONS

Question time!





THANK YOU!

