How to design an accessible Form

MUNICH ACCESSIBILITY MEETUP

@nuriapenya

#a11yMUC

I NEED A. Sign Up Form.

Way of communication and exchange between users and service. The user provides input which can be processed to generate a new output.

Examples: create account, join newsletter, complete transaction, sign up for event



Name			
Date of Bir	th		
street & Nr	•		
Country			
CVV		Expiry date	

Pay 120.00 €

* Subscription to all courses for 3 months

Student plan*

III Subscribe within the **next 20 minutes** to start your course today.

Surname		
email		
Zip code	City	
credit card		
I'm not a robot	reCAPTCHA Privacy - Terms	





Let's reflect.

Take some time to think about the form we just showed. What issues do you see? What could be done differently?

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Date of Bir	th		
street & Nr	•		
Country			
CVV		Expiry date	

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email		
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credit card		
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Everyone should be able to fill this form



VISUAL

MOTOR





COGNITIVE

HEARING



ACCESSIBILITY.

How can design help?

Structure.



A form with parallel columns can easily lead users disorientation and distract them.

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III Subscribe within the next 20 minutes to start your course today. III				
Nome	Sumana			
Name	Surname			
Date of Birth	email			
street & Nr.	Zip code City			
Country	credit card			
cvv Expiry date	I'm not a robot			
Pay 120.00 €				
* Subscription to all courses for 3 months				



Different users will misinterpret how to fill out multi-column forms in a variety of different ways.





Single-column forms are better than multi-column

ones, as they don't disrupt a users vertical momentum.

Student plan*					
III Subscribe within the next 20 minutes to start your course today. III					
.					
Name			Surname		
Date of Birth			email		
street & Nr.			Zip code	City	
Country			credit card		
CVV	Expiry date		I'm not a robot	reCAPTCHA Privacy - Terms	
Р	ay 120.00 €				
* Subscription to a	Il courses for 3 months				

	Name	
	Surname	
	Date of birth	
	Street & Nr.	
	Country	
	Zip Code	City
	Email	
	Credit Card	
	Expiry Date	сѵѵ
Field length as a hint for the answer		

Keep it short

Eliminating unnecessary fields reduces user cognitive effort and increases completion rates.

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Name			Surname	
Date of Birth			email	
street & Nr.			Zip code City	
Country			credit card	
СЛЛ	Expiry date		I'm not a robot	
Р	ay 120.00 €			
* Subscription to a	Il courses for 3 months			

Name	
Surname	
Date of birth	
Street & Nr.	
Country	
Zip Code	City
Email	
Credit Card	
Expiry Date	сѵѵ

Grouping

If the form has a pretty complicated structure, it can be visually divided into semantic groups, with added space or headings between them.

Student plan*				
III Subscribe within the next 2	0 minutes to start your course today. III			
Name	Surname			
Date of Birth	email			
street & Nr.	Zip code City			
Country	credit card			
cvv Expiry date	I'm not a robot			
Pay 120.00 €				
* Subscription to all courses for 3 months				

Personal Information

Name

Surname

Date of birth

Email

Address

Street & Nr.

Country

Zip Code

Payment

Credit Card

Expiry Date

CVV

Inputs.

Labels & Placeholders

Labels tell users what information belongs in a given form field and placeholders an example of the information required.





The label increases the hit area of the field

INPUTS

Placeholders

Relying on placeholders alone, makes it difficult for people to remember what information belongs in a field, especially for users with visual and cognitive impairments.

Name	Surname
Date of Birth	email
street & Nr.	Zip code City
Country	credit card
cvv Expiry date	l'm not a robot reCAPTCHA Privacy - Terms

Luke	Skywalker
25/05/1977	lukeskywalker@jedi.com
Goldenrod Ave	AS-135 Tatooine
Tatoo System	4980740111654700
123 07/30	l'm not a robot



Placeholders

Ideally, the label and hint are placed outside the form field and are always visible to the user.



INPUTS

Focus

By default, browsers put an outline around the element in focus so users, especially those who use a keyboard, know where they are.



CVV	

input:focus {

outline: 2px solid #003D5E;

}

Validation.

VALIDATION

Error Message

Every little bit helps!

Email		Email
lukeskywalker@jeo	di.com	lukeskywalker@jedi.co
Credit Card		Credit Card
498074011165470	00	4980740111654700
Expiry date	CVV	Expiry date
11/20	123	11/20

How a person with <u>Deuteranopia</u> would

see it





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Credit Card				
Expiry date CVV				
MM/YY				
Pay 120.00 €				



ACCESSIBILITY.

Development Insights.



Testing.

ACCESSIBILITY.

In a nutshell...

Key Takeaways.

- Clear Structure & Reduced Complexity
- Appropriate Labelling
- Don't rely on Colour alone
- Proper-sized Target Areas
- Test, Test, Test

Thank You! Q&A

@A11yMunich Munich-Accessibility-Meetup

BRAINSTORMING.

What do you want next? Sli.do

#a11yMUC



	a11ymuc	N		
QUESTIONS	IDEAS	POLLS		
Live topic				
Which topics should we focus on the next Meetup events?				
🗹 Type your idea				
3 ideas		Popular 🗢		
Anonymo Oct 28, 201 How to build a cu	8	2 💼		
N Núria Oct 28, 201	8			
How AT (Assistive Technology) is used Screen and text readers, voice input Add				

1

2

3

Poll of ideas

Open a browser on any laptop, tablet or smartphone

Go to **slido.com**

Enter the event code **#A11Y**