

16. Inclusive Security & Privacy

Blase Ur and Mainack Mondal

May 16th, 2018

CMSC 23210 / 33210



THE UNIVERSITY OF
CHICAGO



Security, Usability, & Privacy
Education & Research

Ability

Discuss “I’m Stuck” paper

- Contextual inquiry
- Recruitment
- Findings

Discuss Undocumented paper

Crucial considerations

- Cognitive impairments
 - Illiteracy
 - Memory difficulties
- Visual impairments
 - Sightedness
 - Color-blindness
- Dexterity impairments
- Hearing impairments


The importance of “alt” text

- ``
- This is what screen readers use!

The importance of video captions

Add your own subtitles & closed captions

Subtitles and closed captions open up your content to a larger audience, including deaf or hard of hearing viewers or those who speak languages besides the one spoken in your video. If you already have captions or subtitles, get help [editing or removing existing captions](#).

1. Go to your [Video Manager](#)  by clicking your account in the top right > **Creator Studio** > **Video Manager** > **Videos**.
2. Next to the video you want to add captions or subtitles to, click the drop-down menu next to the **Edit** button.
3. Select **Subtitles/CC**.
4. Click the **Add new subtitles or CC** button.
5. Choose how you want to add or edit subtitles or closed captions to your video:

[Create subtitles or closed captions](#)



[Upload a file](#)



[Transcribe and auto-sync \(original video language only\)](#)



[Use automatic captioning](#)



The importance of fonts and text

- Websites / apps should still work when magnified to a large size
- Don't use color to convey meaning
 - Screen readers do not interpret it
- High-contrast color combinations
- Don't include placeholders in form fields
- Make form fields easy to find

Readability

- Standard metrics for the grade level of text
- https://en.wikipedia.org/wiki/Readability#Popular_readability_formulas
- https://www.online-utility.org/english/readability_test_and_improve.jsp

Conducting accessibility studies

- Follow accessibility guidelines:
<https://developer.gnome.org/accessibility-devel-guide/stable/gad-ui-guidelines.html.en>
- Don't forget to user test with **diverse** populations that accurately reflect **all** users
- <https://www.youtube.com/watch?v=t4DT3tQqgRM>

Age

Why is 13 the magic number?

► **Signing Up**

How old do you have to be to sign up for Facebook?

To be eligible to sign up for Facebook, you must be at least 13 years old.

Last edited over a year ago

COPPA (1998; took effect 2000)

- Children's Online Privacy Protection Act
- Parental consent required for collection or use of personal information
 - **Service directed to children under 13**
 - **Knowledge that user is under 13**
- How does one obtain parental consent?
 - FTC suggests credit card, phone call, etc.

Hello Barbie

Privacy fears over 'smart' Barbie that can listen to your kids

Campaigners call for ban on Mattel doll that uses voice-recognition technology to respond to children's questions - and send recordings to third parties



1 Hello Barbie listens to children using cloud-based voice recognition technology, to understand them and talk back. Photograph: Mattel

<https://www.theguardian.com/technology/2015/mar/13/smart-barbie-that-can-listen-to-your-kids-privacy-fears-mattel>

Hello Barbie

- “In Mattel’s demo, Barbie asks many questions that would elicit a great deal of information about a child, her interests, and her family. This information could be of great value to advertisers and be used to market unfairly to children.”
- “The conversation capabilities of the Hello Barbie toy from Mattel are powered by a venture capital-backed San Francisco startup called ToyTalk, which receives and interprets speech recorded by a microphone in the doll before initiating a pre-programmed vocal response. Crucially, the data is stored by ToyTalk for use beyond the immediate response.”

Senior citizens

- How can we better help older adults?
- Knowledge of technology → implications
- Particular vulnerability to scams
- Opportunities for connecting seniors

Culture / geography

Cross-cultural issues

- What is culture?
 - National origin?
 - Demographics?
- Why does culture matter in research?
 - Social norms / user expectations
 - Legal requirements and expectations
 - The availability of systems / structures
 - Media portrayals

Your stories

Social media is global



Translating privacy

Translating privacy

For mobile apps without the inline audience selector (such as Facebook for Blackberry), the audience for things you post is:



Cum Intrați în legătură cu alții

Control how you connect with people you know.

[Schimbați setările](#)

Timeline and Tagging

Control what happens when friends tag you or your content, or post on your timeline.

[Schimbați setările](#)

Reclame, Aplicații și Website-uri

Gestionează-ți setările pentru reclame, aplicații, jocuri și sauturi.

[Schimbați setările](#)

Limitează audiența pentru postările anterioare

Limit the audience for posts you shared with friends of friends or Public

[Administrează vizibilitatea postărilor din trecut](#)

Persoane și aplicații blocate

Manage the people and apps you've blocked.

[Manage Blocking](#)

Translating privacy

Контролиши своју уобичајену приватност

This setting will apply to status updates and photos you post to. It doesn't have the inline audience selector, like Facebook for Black



Public



Пријатељи



リンク Twitter社はツイートに含まれるリンクをユーザーサービスやクライアントを含む当社サービス全体で、追跡してよいものとします。これは広告を含めたリンクが何回クリックされたかなどの統計情報を共有可

Cookies: Like many websites, we use "cookie" technology to improve our Services, but we do not require cookies for most of our Services. We do not use cookies for advertising or for looking at public user profiles or lists. A cookie is a small

Translating privacy

การทวิตสื่อ	<input type="checkbox"/> แสดงสื่อที่อาจจะมีเนื้อหาที่อ่อนไหว <input type="checkbox"/> ทำสัญลักษณ์ไว้ว่าสื่อของฉันนั้นมีเนื้อหาที่อ่อนไหว หากคุณทวิตรูปภาพหรือวิดีโอที่อาจมีเนื้อหาอ่อนไหว โปรดเลือกช่อง ตัวเลือกนี้เพื่อที่คนอื่นๆ จะได้รับคำเตือนก่อนรับชมสื่อของคุณ ศึกษา เพิ่มเติม
ความเป็นส่วนตัวของ ทวิต	<input type="checkbox"/> ป้องกันทวิตของฉัน If selected, only those you approve will receive your Tweets. Your future Tweets will not be available publicly. Tweets posted previously may still be publicly visible in some places. Learn more.
การทำให้เป็นส่วน บุคคล	<input type="checkbox"/> Tailor Twitter based on my recent website visits Preview suggestions tailored for you (not currently available to all users). Learn more about how this works and your additional privacy controls.
HTTPS เท่านั้น	<input type="checkbox"/> ใช้ HTTPS เสมอ ใช้การเชื่อมต่อแบบปลอดภัยเมื่อมีให้ใช้งาน
รีเซ็ตรหัสผ่าน	<input type="checkbox"/> Require personal information to reset my password By default, you can initiate a password reset by entering only your @username. If you check this box, you will be prompted to enter your email address or phone number if you forget your password.

Translating privacy

إعدادات الخصوصية

تحكم بالخصوصية أثناء النشر

يمكنك التحكم بالخصوصية تحديثات الحالات والصور والمعلومات باستخدام محدد الجمهور المضمن، وذلك عندما تقوم بالمشاركة أو بعد ذلك. تذكر: يستطيع دائما الأشخاص الذين تتشارك معهم مشاركة معلوماتك مع الآخرين، بما في ذلك التطبيقات. حاول تعديل معلوماتك الأساسية لمعرفة كيفية عمل هذه الميزة أو اعرف المزيد.


ماذا يخطر في بالكم؟


San Francisco


نشر

العام


For mobile apps without the inline audience selector (such as Facebook for Blackberry), the audience for things you post is:


مخصصة


الأصدقاء



العام

تعديل الإعدادات

كيفية التواصل 

تحكم بكيفية التواصل مع الأشخاص الذين تعرفهم.

Translating privacy

 Translation Center [Blog](#) [Forums](#) [Need help?](#) [Blaze Cups](#)

[Home](#) / [Twitter.com](#) /

All phrases

[Untranslated](#) [Translated/Voted](#) [Live](#)

will not be shown publicly. You can change your privacy settings at any time.

1 translations with 0 votes

Twitter does not disclose personally identifying information to third parties except in accordance with our Privacy Policy.

2 translations with 1 votes

`Preview suggestions tailored for you (not currently available to all users). Learn more about how this works and your additional privacy controls.`

1 translations with 0 votes

English phrase:



Twitter does not disclose personally identifying information to third parties except in accordance with our Privacy Policy.

2 Translations

[+ Add translation](#)

[i More information](#)

[Live](#)

<div><div>Vote</div><div>✓</div></div>	<p>A Twitter nem oszt meg személyes azonosításhoz használható információkat harmadik féllel, kivéve az Adatvédelmi irányelveket a leírt eseteket.</p> <p>Posted by  kkemenczy on July 08, 2012</p>	<p>0 votes</p> <p>✓ Translation live</p>
<div><div>Vote</div><div>✓</div></div>	<p>A Twitter nem oszt meg személyes azonosításhoz használható információkat harmadik féllel, kivéve az Adatkezelési Nyilatkozatban leírt eseteket.</p> <p>Posted by  mazvazzeg on November 02, 2011</p>	<p>1 votes</p>

Translating privacy

Search for people, places and things

Blase Ur Home

Learn about cookies and Facebook.

Link: learn about cookies

Szavazás Fordítás

Tudj meg többet a sütiokról és a Facebookról.	✓ x
kapd be a faszt te kis buzi	✓ x
Tudj meg többet a sütiokról és a Facebook-ról.	✓ x
Tudj meg többet a cookiekról és a Facebookról.	✓ x
Tudj meg többet a facebookról és a "cookiekról"	✓ x

További 3... ▼

Search

Search translations

☒ Translation ☐ English

Your Progress

0 translations	0 votes
--------------------------	-------------------

Mobile money



How to get started with M-Pesa



Mobile money



Logistics of International Studies

- Where is your sample coming from?
 - Comparable samples?
 - Recruitment?
- Identity of moderator
 - Language? (Parallel translations)
 - Understanding cultural context
 - Best practice: partner with local collaborators
- Ethics considerations