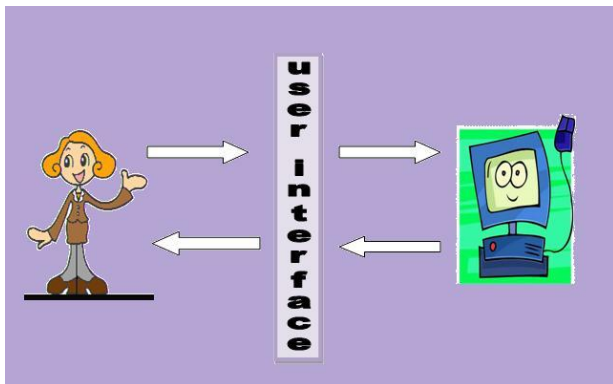


Human-Computer Interaction

Mid-term Project
(practical exercise)

Tamás Csapó

csapot@tmit.bme.hu



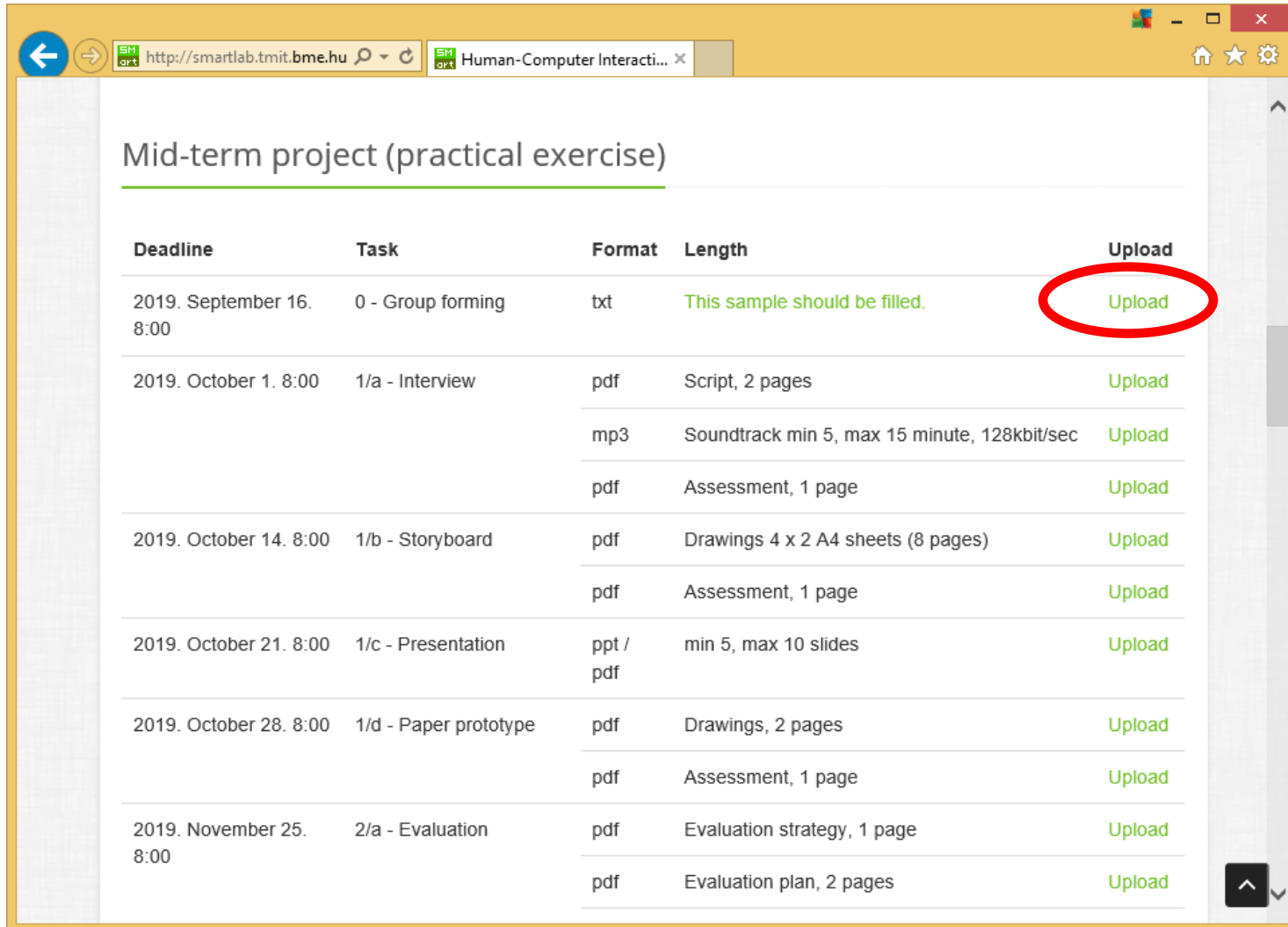
Sep, 2019

Mid-term project (practical exercise)

- Requirement for signature
- Groups of 3-4 students (~12 groups)
 - Strong cooperation
- Main goal for the end of the semester:
 - Use the lecture material in practice
 - One running program with User Interface
 - Platform: small screen tablet (max 10")
(e.g. Windows 10, Android, iOS, or anything else)
 - Plan & design, implementation, evaluation
 - Human-Computer Interaction aspects

Course website – how to upload?

<http://smartlab.tmit.bme.hu/education-hci>



The screenshot shows a web browser window with the URL <http://smartlab.tmit.bme.hu>. The page title is "Mid-term project (practical exercise)". Below the title is a table with columns: Deadline, Task, Format, Length, and Upload. The first row of the table has the "Upload" link circled in red.


Deadline	Task	Format	Length	Upload
2019. September 16. 8:00	0 - Group forming	txt	This sample should be filled.	Upload
2019. October 1. 8:00	1/a - Interview	pdf	Script, 2 pages	Upload
		mp3	Soundtrack min 5, max 15 minute, 128kbit/sec	Upload
		pdf	Assessment, 1 page	Upload
2019. October 14. 8:00	1/b - Storyboard	pdf	Drawings 4 x 2 A4 sheets (8 pages)	Upload
		pdf	Assessment, 1 page	Upload
2019. October 21. 8:00	1/c - Presentation	ppt / pdf	min 5, max 10 slides	Upload
2019. October 28. 8:00	1/d - Paper prototype	pdf	Drawings, 2 pages	Upload
		pdf	Assessment, 1 page	Upload
2019. November 25. 8:00	2/a - Evaluation	pdf	Evaluation strategy, 1 page	Upload
		pdf	Evaluation plan, 2 pages	Upload

How to upload?



The screenshot shows a web browser window with the URL `http://smartlab.tmit.b...` and a tab titled "Human-Computer Interacti...". The page header includes the "SmartLab Intelligent Interactions" logo, an "nvidia GPU EDUCATION CENTER" logo, and a "LANGUAGES" dropdown menu. The main heading is "HUMAN-COMPUTER INTERACTION - Upload". Below this is a breadcrumb trail: "Kezdőlap / Oktatás / Human-Computer Interaction - Upload". The section is titled "Submission" and contains the text "Please first login:" followed by a "Login" button. The "Login" button is circled in red. At the bottom of the page, there is a dark banner with the "SmartLab Intelligent Interactions" logo and some partially visible text in Hungarian.

How to upload?

https://login.bme... Belépés - Budapesti Műszak...

 Budapest University of Technology and Economics
M Ű E G Y E T E M 1 7 8 2

Budapest University of Technology and Economics
Central Login Page

Login

Authentication requested by: <https://leszped.tmit.bme.hu/shibboleth>
After successful login the browser will be redirected to the page that requested the authentication.

Username: @bme.hu
Password:

Login


You need your eduID username and password to log in. If you have a user in Neptun, and you have not set your eduID password yet, please [visit this page](#). You can find detailed information about eduID [here](#).

© BME

eduID username

https://login.bme.hu/admin/ Belépés - Budapesti Műszaki és... BME Címtár

BME HONLAP | IMPRESSZUM

 BUDAPESTI MŰSZAKI ÉS GAZDASÁGTUDOMÁNYI EGYETEM
Címtár

A CÍMTÁRRÓL FELHASZNÁLÓI ADMINISZTRÁCIÓ KAPCSOLÓDÓ OLDALAK


BME CÍMTÁR FELHASZNÁLÓI ADMINISZTRÁCIÓ

Ha létezik felhasználója a BME Neptun rendszerében, akkor címtáras azonosítóval is rendelkezik. A Címtárban kezelt adatok elsődleges forrása a Neptun. Belépés után ezen az oldalon tekintheti meg az Önről a Címtárban található adatokat, illetve állíthatja be a címtáras jelszavát.

A belépésre kétféle lehetősége is van:

BME címtáras (eduID) azonosítóval

Ha már állított be címtáras jelszót, a címtáras azonosítójával és jelszavával be tud lépni.

 **Belépés**

Neptun-kóddal és a Neptunban megadott jelszóval

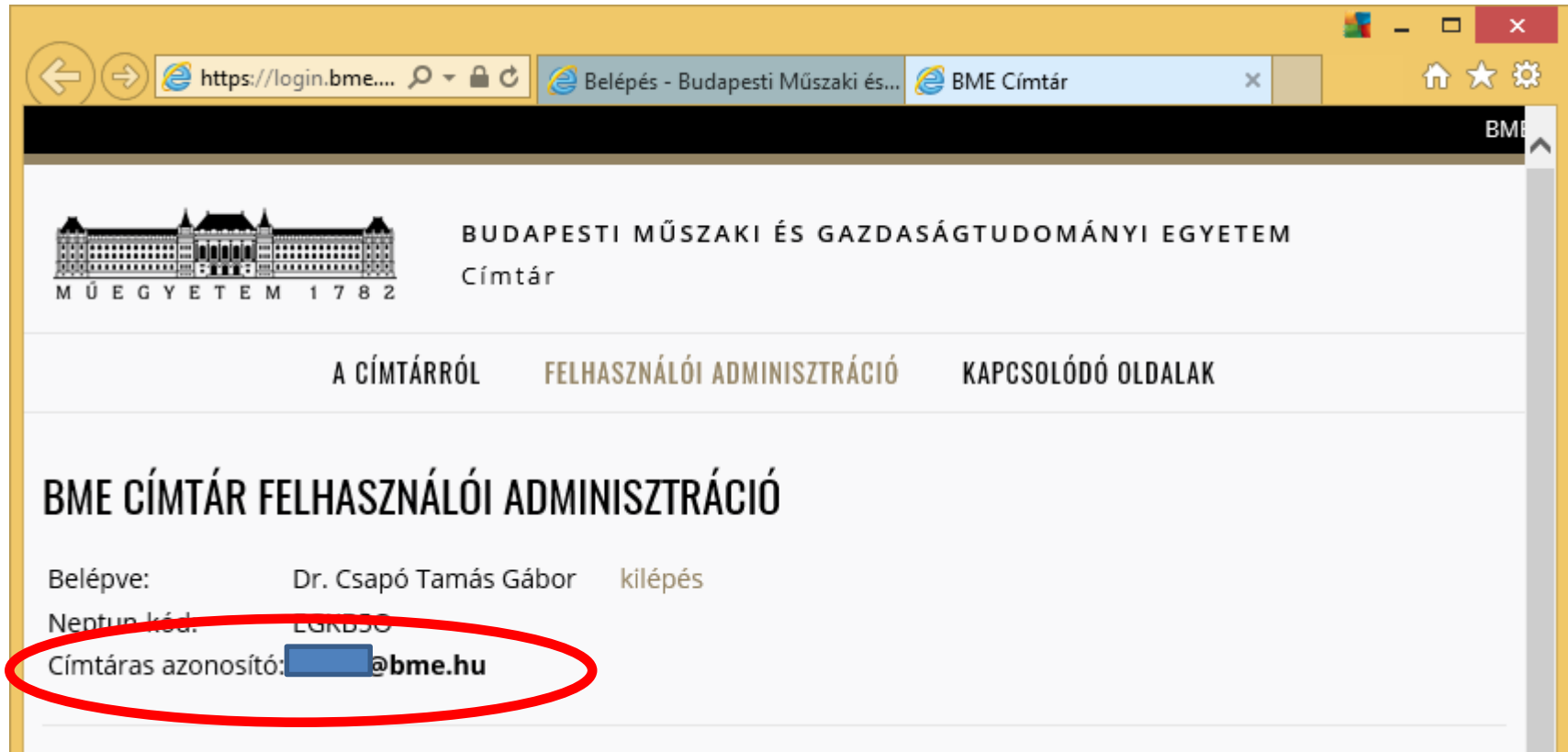
Ha még nem állított be soha címtáras jelszót, vagy elfelejtette azt, ezzel a módszerrel bejelentkezve beállíthatja a címtáras jelszavát, illetve megnézheti címtáras azonosítóját.

Neptun-kód:


Neptun jelszó:

Belépés

eduID username



https://login.bme... Belépés - Budapesti Műszaki és... BME Címtár

 BUDAPESTI MŰSZAKI ÉS GAZDASÁGTUDOMÁNYI EGYETEM
Címtár

A CÍMTÁRRÓL FELHASZNÁLÓI ADMINISZTRÁCIÓ KAPCSOLÓDÓ OLDALAK

BME CÍMTÁR FELHASZNÁLÓI ADMINISZTRÁCIÓ

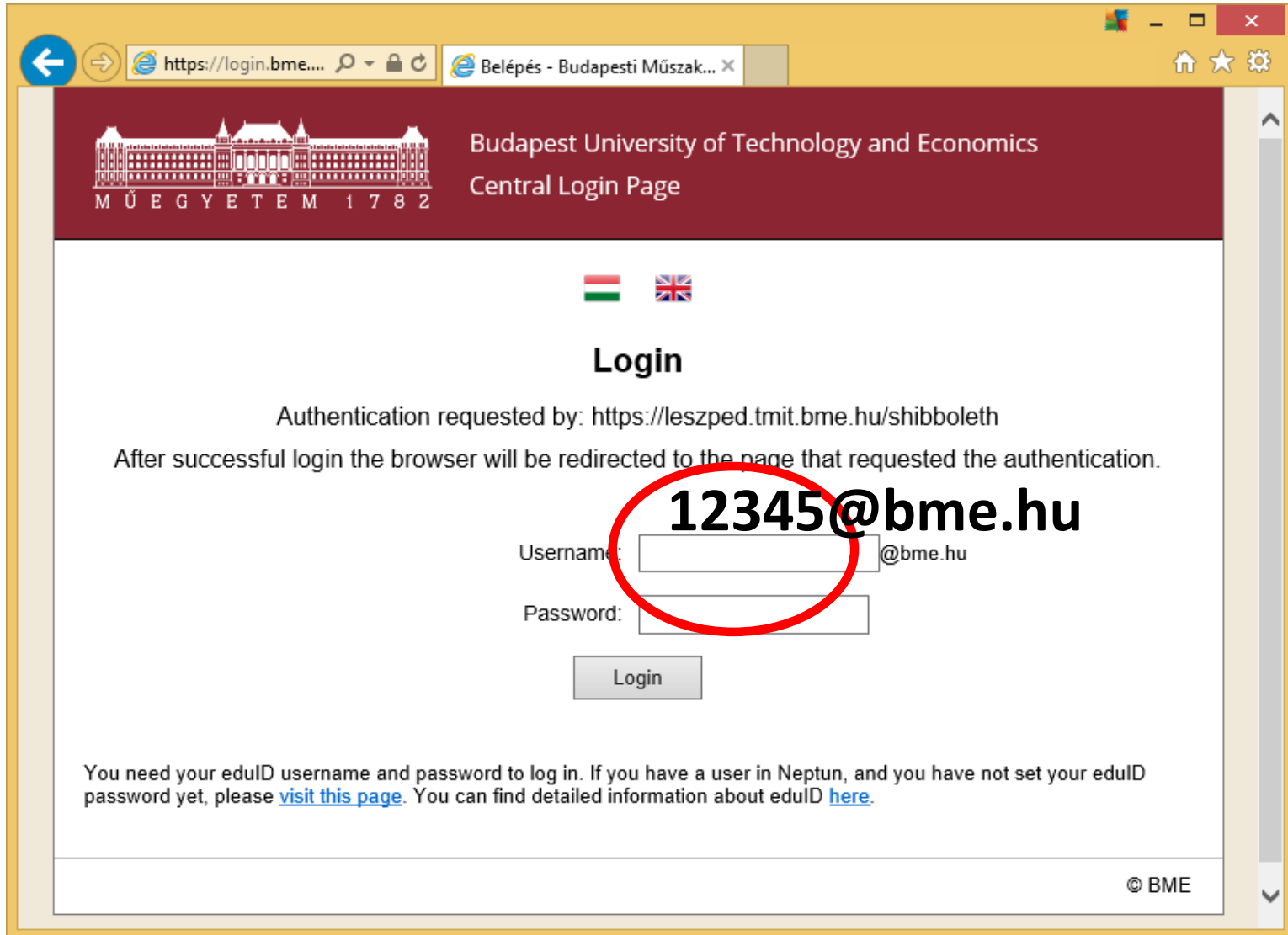
Belépve: Dr. Csapó Tamás Gábor kilépés

Neptun kód: LGRB50


Címtáras azonosító: @bme.hu



12345@bme.hu

How to upload?



https://login.bme... Belépés - Budapesti Műszak...

 Budapest University of Technology and Economics
Central Login Page

Login

Authentication requested by: <https://leszped.tmit.bme.hu/shibboleth>
After successful login the browser will be redirected to the page that requested the authentication.

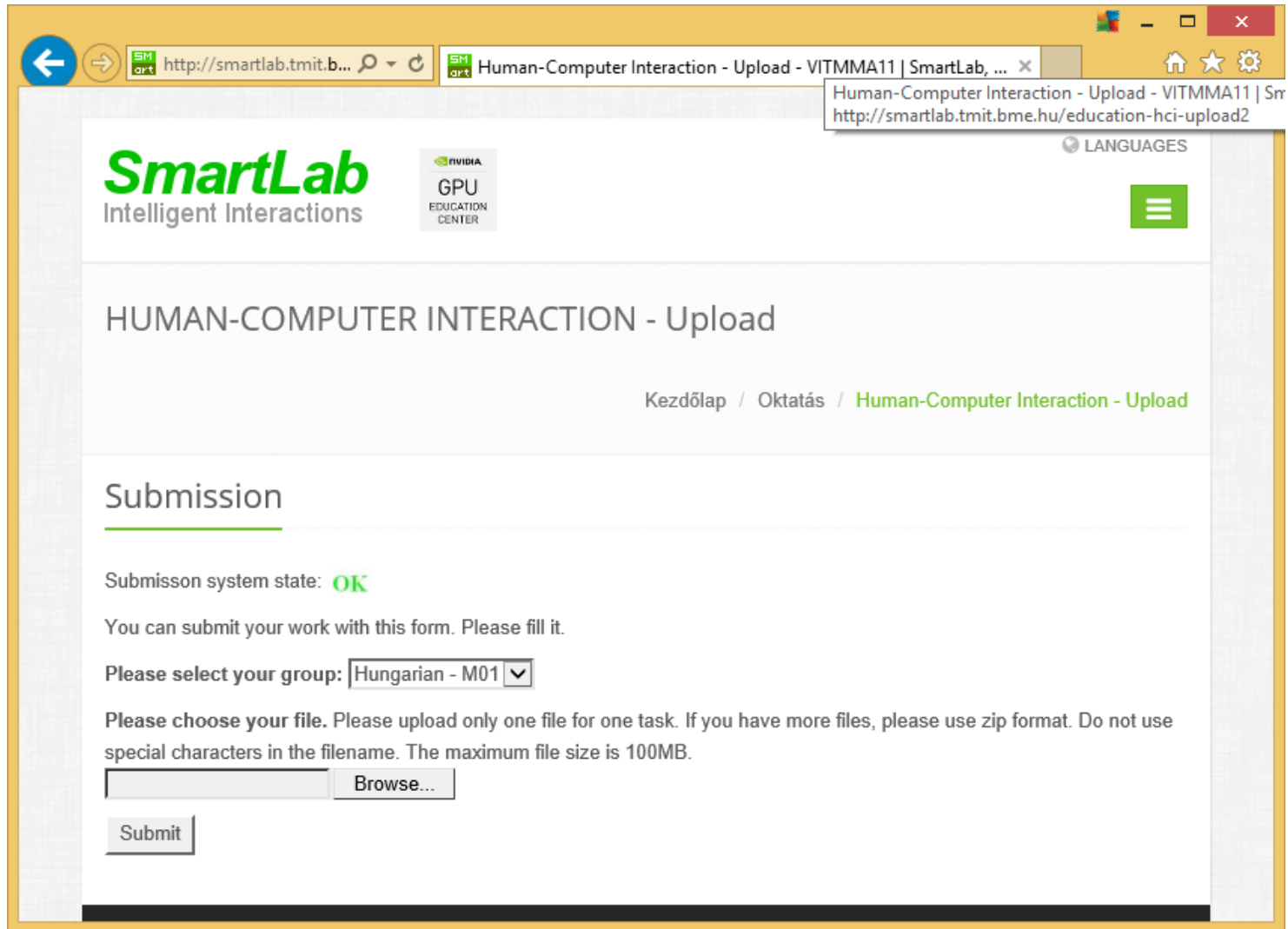
Username: @bme.hu
Password:

Login

You need your eduID username and password to log in. If you have a user in Neptun, and you have not set your eduID password yet, please [visit this page](#). You can find detailed information about eduID [here](#).

© BME

How to upload?



The screenshot shows a web browser window with the following content:

- Browser Tabs:** The active tab is titled "Human-Computer Interaction - Upload - VITMMA11 | SmartLab, ...". A tooltip shows the full URL: "http://smartlab.tmit.bme.hu/education-hci-upload2".
- Page Header:** Includes the "SmartLab Intelligent Interactions" logo, the "NVIDIA GPU EDUCATION CENTER" logo, and a "LANGUAGES" dropdown menu.
- Page Title:** "HUMAN-COMPUTER INTERACTION - Upload".
- Breadcrumbs:** "Kezdőlap / Oktatás / Human-Computer Interaction - Upload".
- Section:** "Submission" with a green underline.
- Status:** "Submission system state: OK" (where "OK" is green).
- Instructions:** "You can submit your work with this form. Please fill it."
- Form:** A dropdown menu for "Please select your group:" is set to "Hungarian - M01".
- File Upload:** A text input field for "Please choose your file." is followed by a "Browse..." button. Below it is a "Submit" button.

USER INTERFACE EXAMPLES OF EARLIER GROUPS

Earlier apps from HCI: 2011

- **Samsung SmartTV**

- Several available SmartTV platforms
- Programming: HTML / JavaScript
- Limited interface options



Earlier apps from HCI: 2011, good

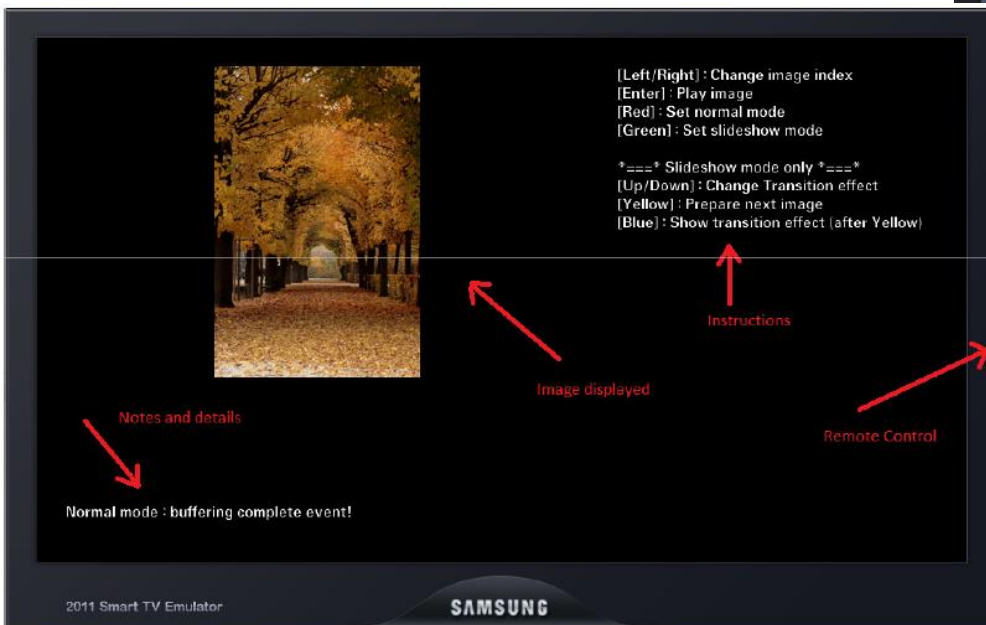
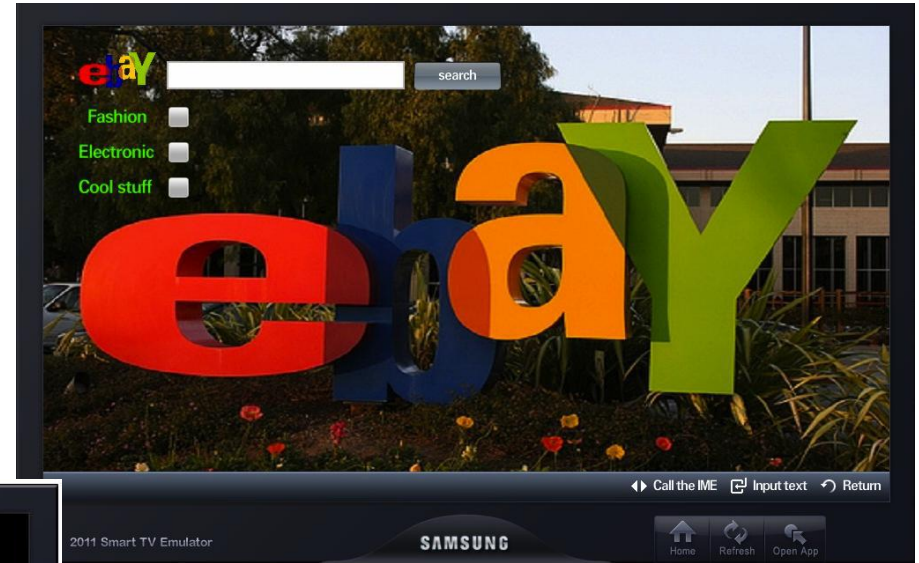
A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R
S	T	U	V	W	X
Y	Z	_	-	?	!
0	1	2	3	4	5
6	7	8	9		

Type something to start searching...

	Affair		Af
	Americano		Ap
	Atomic Cat		B5
	Batman Cocktail		Ba

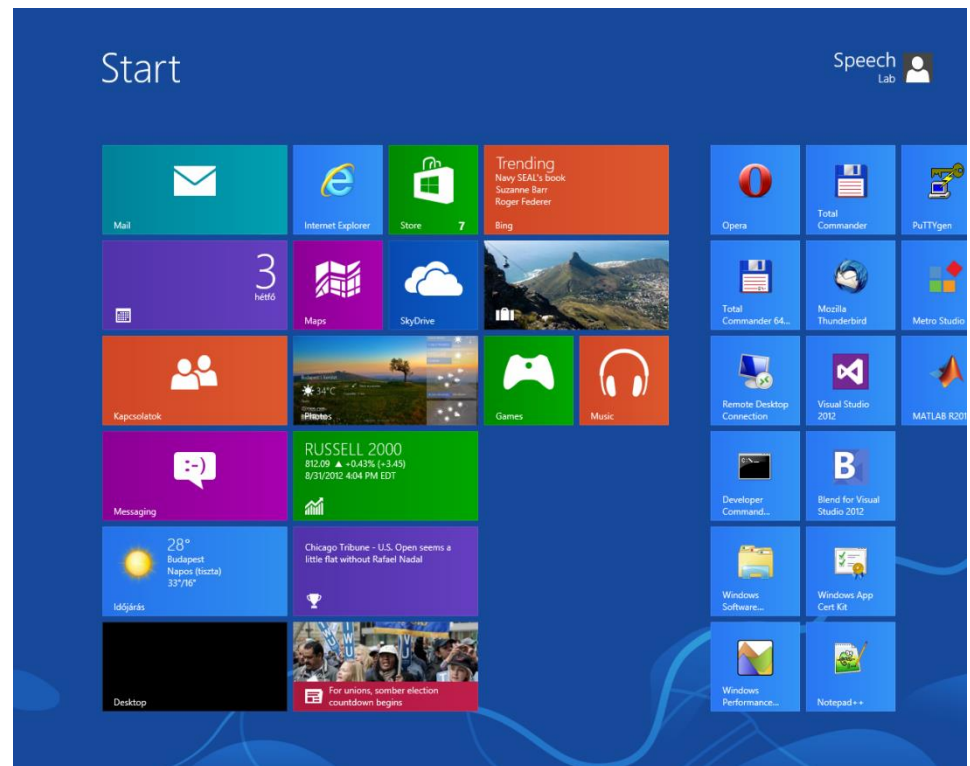
⏪ ⏩ ⏴ ⏵ Move between menu items ENTER Select menu item

Earlier apps from HCI: 2011, less good

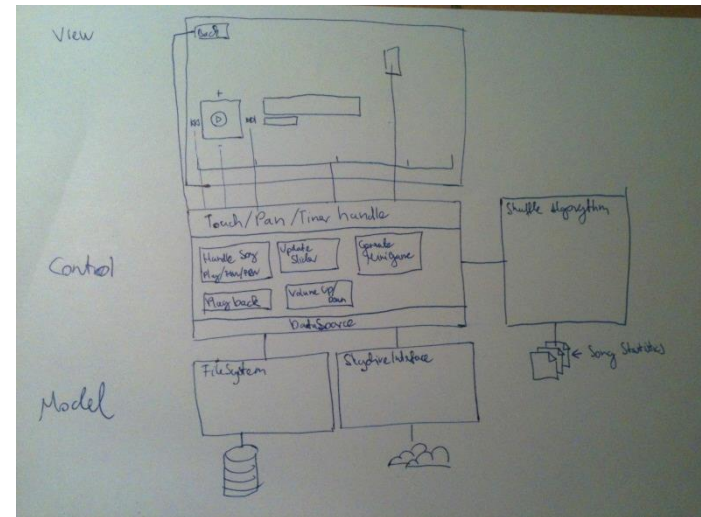
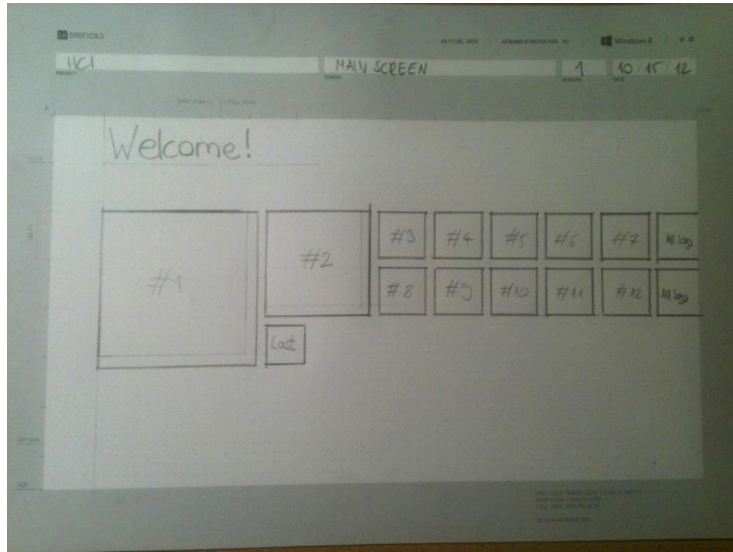


Earlier apps from HCI: 2012

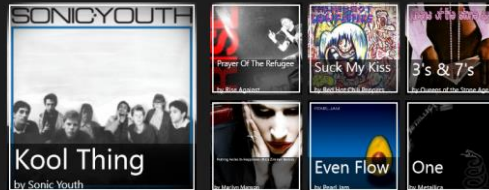
- **Windows 8, Metro design**
 - First version: 2012 October
 - Developer version
 - C# and XAML



Earlier apps from HCI: 2012, good



Start with choosing a song!



Earlier apps from HCI: 2012, less good

csoport mérkőzései

← Világbajnoki selejtező - Európa - A csoport

csapatoldal

Skócia (4 - 1 - 4 - 1) **1-1** Macedónia (4 - 4 - 1 - 1)

csapatoldal Fontosabb események a mérkőzésen

csapatoldal	Skócia	Macedónia
Kenny Miller	'43	'11 Nikolce Noveski
Charlie Adam	'60	'23 Agim Ibraimi
Kenny Miller	'58	'38 Ivan Trickovski
Charlie Adam	'58	'38 Ferhan Hasani
James Morrison	'66	'40 Ferhan Hasani
Jordan Rhodes	'66	'52 Nikola Gligorov
Jamie Mackie	'77	'53 Goran Pandev
Steven Naismith	'77	'70 Nikola Gligorov
		'70 Veliche Shumulikoski
		'78 Veliche Shumulikoski
		'89 Agim Ibraimi
		'89 Darko Tasevski

meccs Angola 0 - 0 Macedónia

játékos oldal

Fogadás a mérkőzésre fogadóirodák listája

feliratkozás értesítés

Hpsszabítás 1 Hpsszabítás 2 büntetők

Kezdés időpontja: 2012-09-11 21:00:00

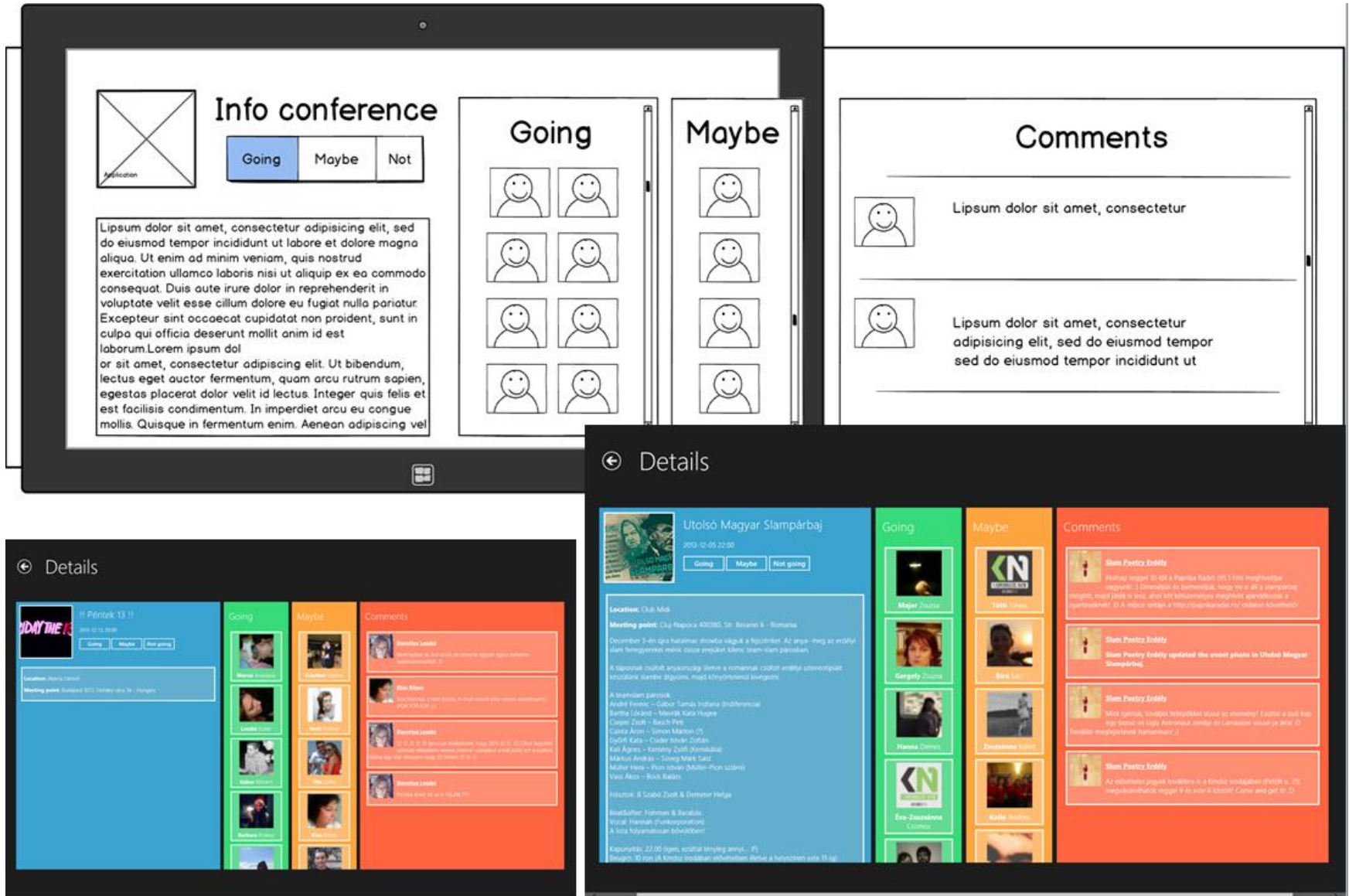
játékvezető o. Játékvezető: Sergei Karasev

stadion oldala Stadion: Hampden Park
Nézőszám: 32430

TV adó közvetítés kezdése tv műsor

**TIMILINE / ODDSTÖRTÉNET
LINEUP / CSERÉK / SÉRÜLTEK
BEÉRKEZETT TIPPEK
MECCSSTATISZTIKA / labdabirtoklás...stb**

Earlier apps from HCI: 2013, good



Earlier apps from HCI: 2014, good


добро утро!

Now you know how to say good morning in Bulgarian - Bulgaria

21:37

Friday

2014.12.12.

 Set alarm



Mostly Cloudy

3 °C

Feels like 1 °C

Europe/Budapest

Things to remember

Add new todo

Add

Smile



Drink coffee



Today's Coffee



 Pick Another

Flat White

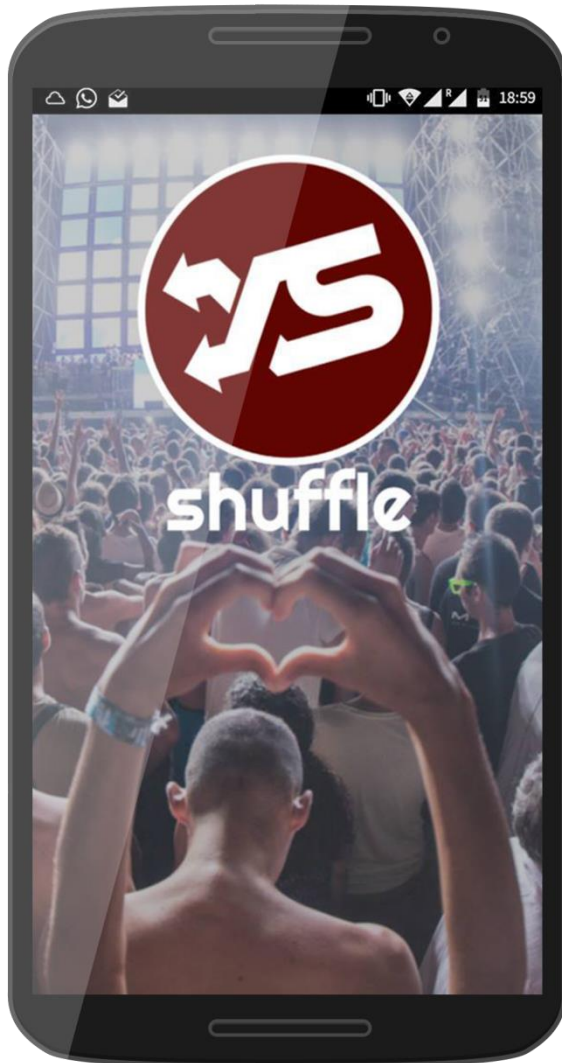
Earlier apps from HCI: 2015

- Small screen tablet / smartphone

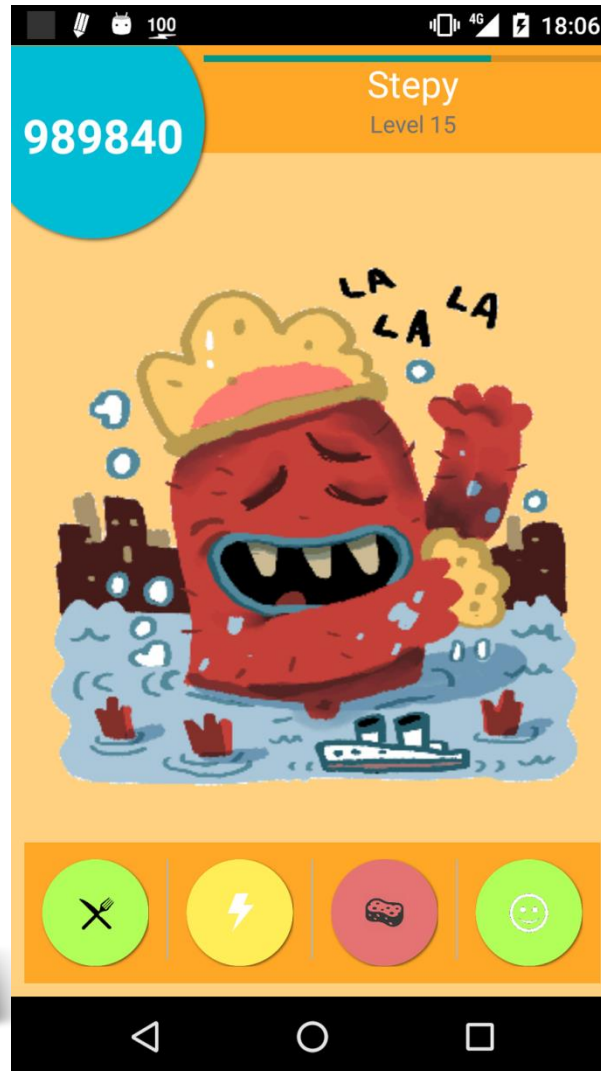
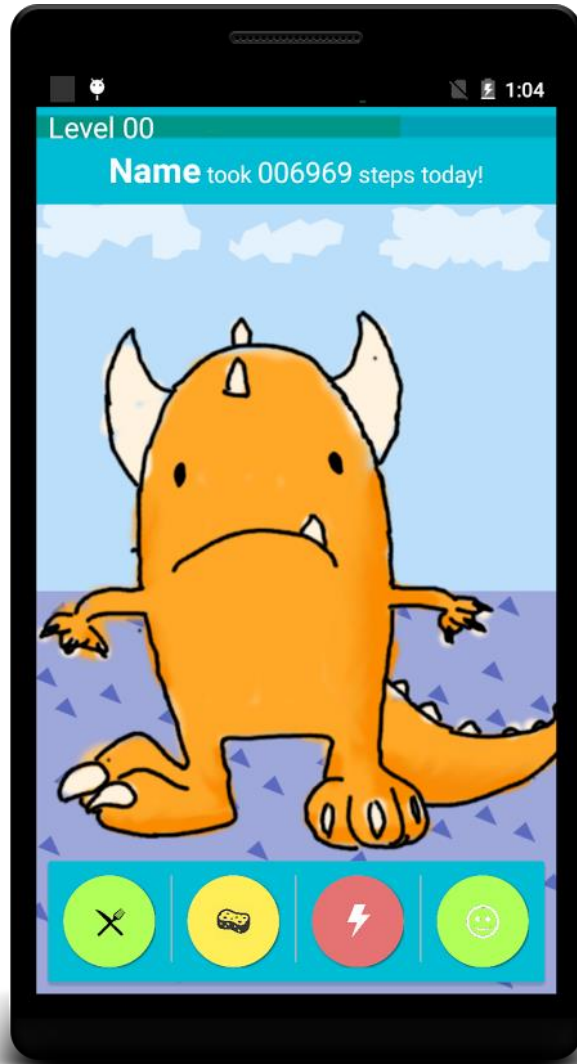


Earlier apps from HCI: 2015, good

Shuffle, <http://bit.ly/1lu59Ka>



Earlier apps from HCI: 2015, good



Earlier apps from HCI: 2016, good

feature: speech recognition & text-to-speech!

The image shows a screenshot of the CookHead app interface. The app has a dark red header with the title 'CookHead' and a search bar. Below the header is a navigation menu with icons for home, help, heart, and a person icon. The main content area is divided into two columns. The left column shows a stack of brownies, and the right column shows the ingredients and description. The ingredients list includes: 400 g of Sugar, 60 g of Cocoa powder, 4 Eggs, 1/2 Teaspoon of Baking powder, 100 g of Walnut, 230 g of Unsalted butter, 1 Teaspoon of Vanilla extract, 65 g of Flour, and 1/2 Teaspoon of Salt. The description says: 'Melt the butter or margarine and mix all ingredients in the order given. Bake at 350 degrees F (175 degrees C) for 20 to 30 minutes in a 9 x 13 inch greased pan.' There are also play and stop buttons for audio playback. A blue box highlights the text 'Say "read description" or "read ingredients" to active speech synthesis' and another blue box highlights the play and stop buttons. A third blue box highlights the play and stop buttons for the description section.

CookHead

Brownies

Say "read description" or "read ingredients" to active speech synthesis

Ingredients

400 g of Sugar	230 g of Unsalted butter
60 g of Cocoa powder	1 Teaspoon of Vanilla extract
4 Eggs	65 g of Flour
1/2 Teaspoon of Baking powder	1/2 Teaspoon of Salt
100 g of Walnut	

Description

Melt the butter or margarine and mix all ingredients in the order given. Bake at 350 degrees F (175 degrees C) for 20 to 30 minutes in a 9 x 13 inch greased pan.

People: 6 icons

Difficulty: 5 stars (3 filled, 2 empty)

Time: 45 min

Favorite: Heart icon

Salads

Let's create groups!

- Design, implement and evaluate User Interface
 - Smart city application
 - Smart home, home automation
 - Smart watch
 - Application for everyday use
 - Event search
 - Music recommendation based on mood
 - Games for collaboration
 - Can use speech technology (recognition and synthesis)

...anything else that you can imagine...
- **Upload at <http://smartlab.tmit.bme.hu/education-hci> until Sep 16 Monday 8:00**