

Real Time Subtitles

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RICM4

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- Transcript speech
- Disabled students
- Google Speech Recognition
- Make a scenario

Missions

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Use Google Speech Recognition ●	Done at half-time project
Reveal.js ●	Done
Distributed app ●	Approximate
Many scenarios ●	Only 1
Real time editing ●	Done
Vote system ●	Done
User session ●	Done
User-friendly interface ●	To rework
Convert notes to .pdf file ●	Not done

Technologies

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- Google Speech Recognition
- Reveal.js
- HTML + CSS + JavaScript
- jQuery
- Socket.io
- Meteor
- Mongo-db
- Bootstrap



REVEAL.JS



mongoDB



Bootstrap

METEOR



Features implemented

5

- Google Speech Recognition

Client

Entete



Caractéristiques: menu vertical à gauche, (fausses) colonnes de même hauteur, largeur fluide

[Accueil](#)

[Tous les gabarits](#)

[Utilisation](#)

[Licence](#)

[Crédits](#)

Bonjour ▼ je ▼ fais ▼ un ▼ test ▼ est-ce que c'était ▼ ça ▼ va ▼ marcher ▼ assez longtemps pour que ▼ je ▼
puisse ▼ montrer ▼ ce ▼ qui ▼ se ▼ passe ▼
va
de
marche

Features implemented

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- Reveal.js

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HEADS UP

reveal.js is a framework for easily creating beautiful presentations using HTML. You'll need a browser with support for CSS 3D transforms to see it in its full glory.

Oh hey, these are some notes. They'll be hidden in your presentation, but you can see them if you open the speaker notes window (hit 's' on your keyboard).


Read

1

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BASEMENT LEVEL 3

That's it, time to go back up.



Je teste la diapo 2.3 pour le rapport , Well let's switch in English

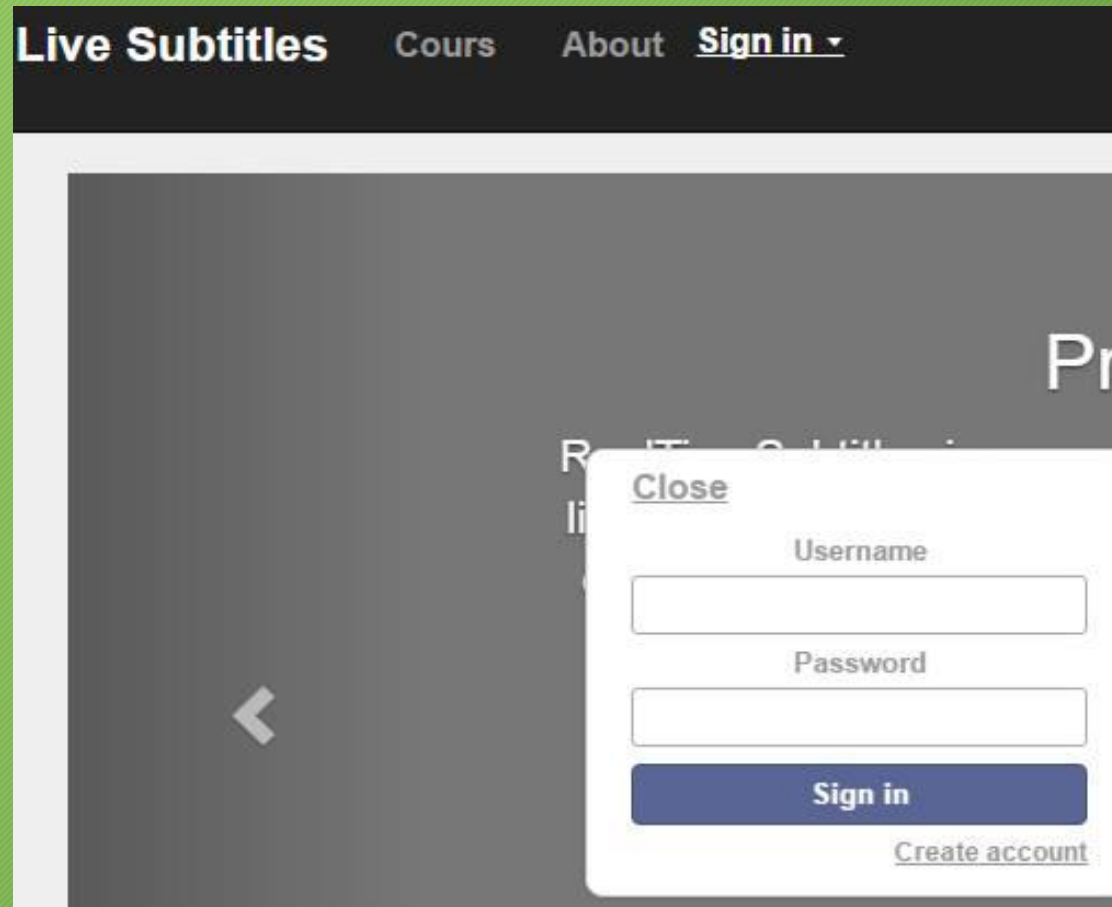
Read

2 - 3

Features implemented

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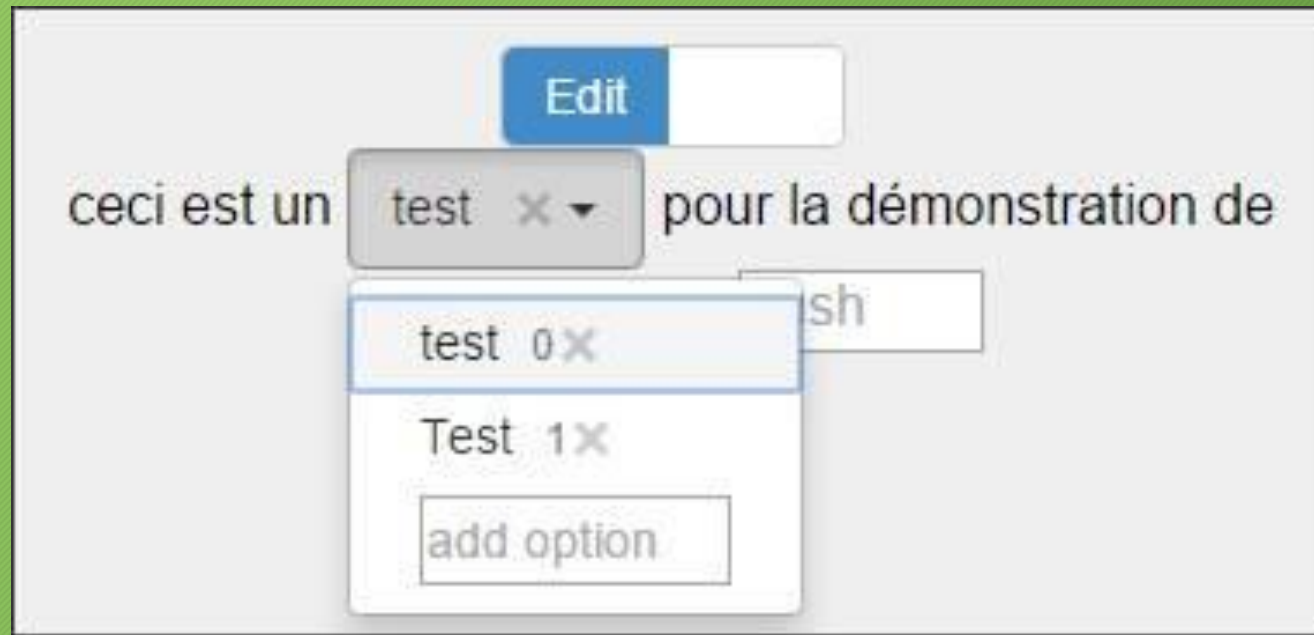
- User Session



Features implemented

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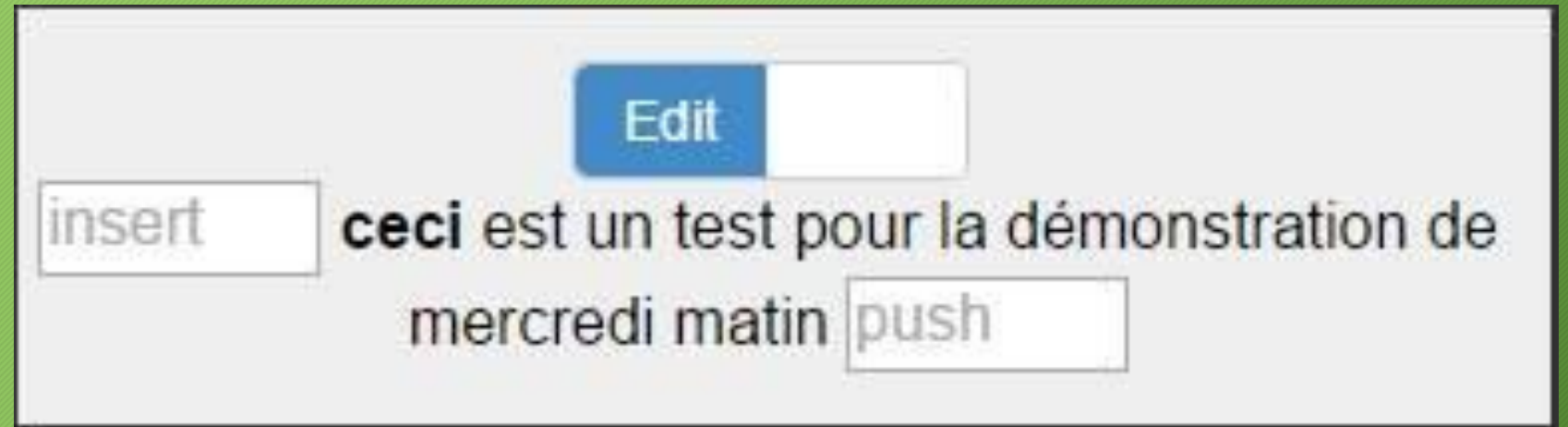
- Collaboration



Features implemented

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- Editing



Features implemented

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- Bonus
 - 100% customed Reveal : keyboard shortcut removed for example
 - Welcome page
 - About page
 - Konami code

Quick overview

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- End project looks like :

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Welcome to Live Subtitles !

Select a course to contribute or create a new course

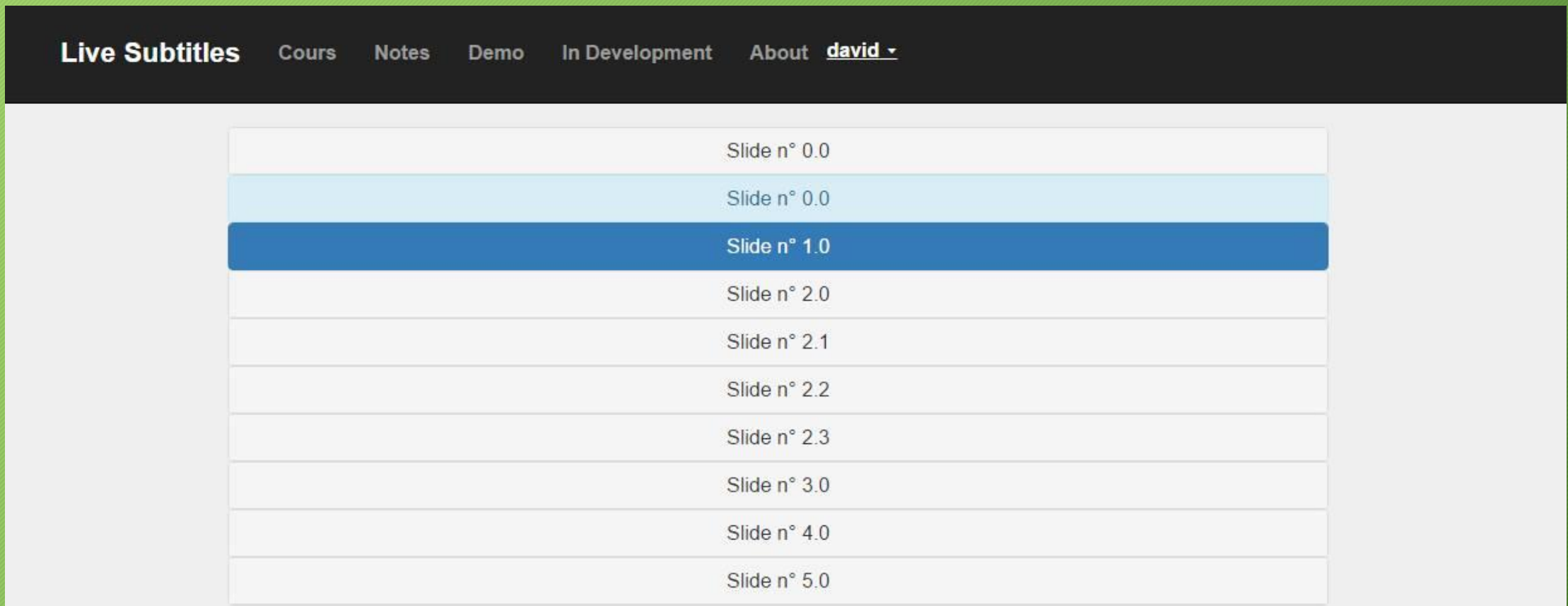
Type to add new course 

- **demo** created by david at 20 hours ago, 4 collaborators
- **Demo** created by okk at 16 hours ago, 5 collaborators 

Quick overview

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- End project looks like :



The image shows a screenshot of a web application interface. At the top, there is a dark navigation bar with the following items: **Live Subtitles**, [Cours](#), [Notes](#), [Demo](#), [In Development](#), [About](#), and [david](#) with a dropdown arrow. Below the navigation bar is a list of slides, each in a separate row. The slide titles are: Slide n° 0.0, Slide n° 0.0, Slide n° 1.0, Slide n° 2.0, Slide n° 2.1, Slide n° 2.2, Slide n° 2.3, Slide n° 3.0, Slide n° 4.0, and Slide n° 5.0. The slide titled 'Slide n° 1.0' is highlighted with a dark blue background, while the slide above it ('Slide n° 0.0') has a light blue background. The other slides have a white background.

Slide n° 0.0
Slide n° 0.0
Slide n° 1.0
Slide n° 2.0
Slide n° 2.1
Slide n° 2.2
Slide n° 2.3
Slide n° 3.0
Slide n° 4.0
Slide n° 5.0

Quick overview

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- End project looks like :

The screenshot displays the 'Live Subtitles' website interface. At the top, there is a navigation bar with the following items: 'Live Subtitles', 'Cours', 'About', and 'david' with a dropdown arrow. Below the navigation bar, a central text box contains the following information:

Developed by David BUI - Maxime LECHEVALLIER - Sara OUNISSI
Tutor : [Jerome Maisonnasse](#)
More information on : [Live Subtitles](#)
[Polytech Grenoble](#) - RICM4 - 2015/2016

Below the text box, there are four portrait photos of the development team members, each with a caption above it:

- David BUI: A young man with glasses and a dark jacket.
- Maxime LECHEVALLIER: A young man with a beard wearing a dark 'LONDON' jacket.
- Sara OUNISSI: A young woman wearing a white t-shirt with 'JUST TONIGHT' and a red long-sleeved shirt underneath.
- Jerome MAISONNASSE: A young man with short dark hair wearing a striped shirt.

Problems faced

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- **Half-time project**

- Socket.io hard to handle
- Need of database
- Restricted knowledge in Database among the group => Hard to create our own DB

- Solution : New framework, easier to handle : Meteor

- *But :*

- 3 weeks before deadline
- Discovering a whole new framework
- Dynamic programming
- New separation of the code

Problems faced

15

Before

Nom	Modifié le	Type	Taille
app.js	14/03/2016 15:46	Fichier JS	1 Ko
index.html	14/03/2016 15:02	Fichier HTML	1 Ko
index.js	14/03/2016 15:36	Fichier JS	1 Ko
moteur.js	14/03/2016 15:39	Fichier JS	2 Ko

After



Problems faced

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- **From half-time until now**
 - Reading a lot again
 - Google speech is not reliable
 - Dynamic pages
 - Customer <-> Developer relation

- **But :**
 - Quick results
 - Fast learning
 - Objectives well known

Potential improvements

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- Security
- File Uploader
- Deploy the app

- Another Speech Recognizer

Conclusion

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- Concrete project
- Good time
- Code organized : possible review
- Functional and effective in the future
- This first experience in Web application