

## Lesson 6

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# Conceptual Model and Low Fidelity Prototypes

• Group 6 •

CCU 2015/2016

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©

**E-Learning**

Lernenden Internet Computer

Video 1990er 1960er

virtuelle Einsatz steht jedoch

Vordergrund Teil ermöglicht digitale Gestaltung

Nachteile

Our website : <http://goo.gl/kywYPz>

# Metaphors

Logging in the platform is like entering a school.

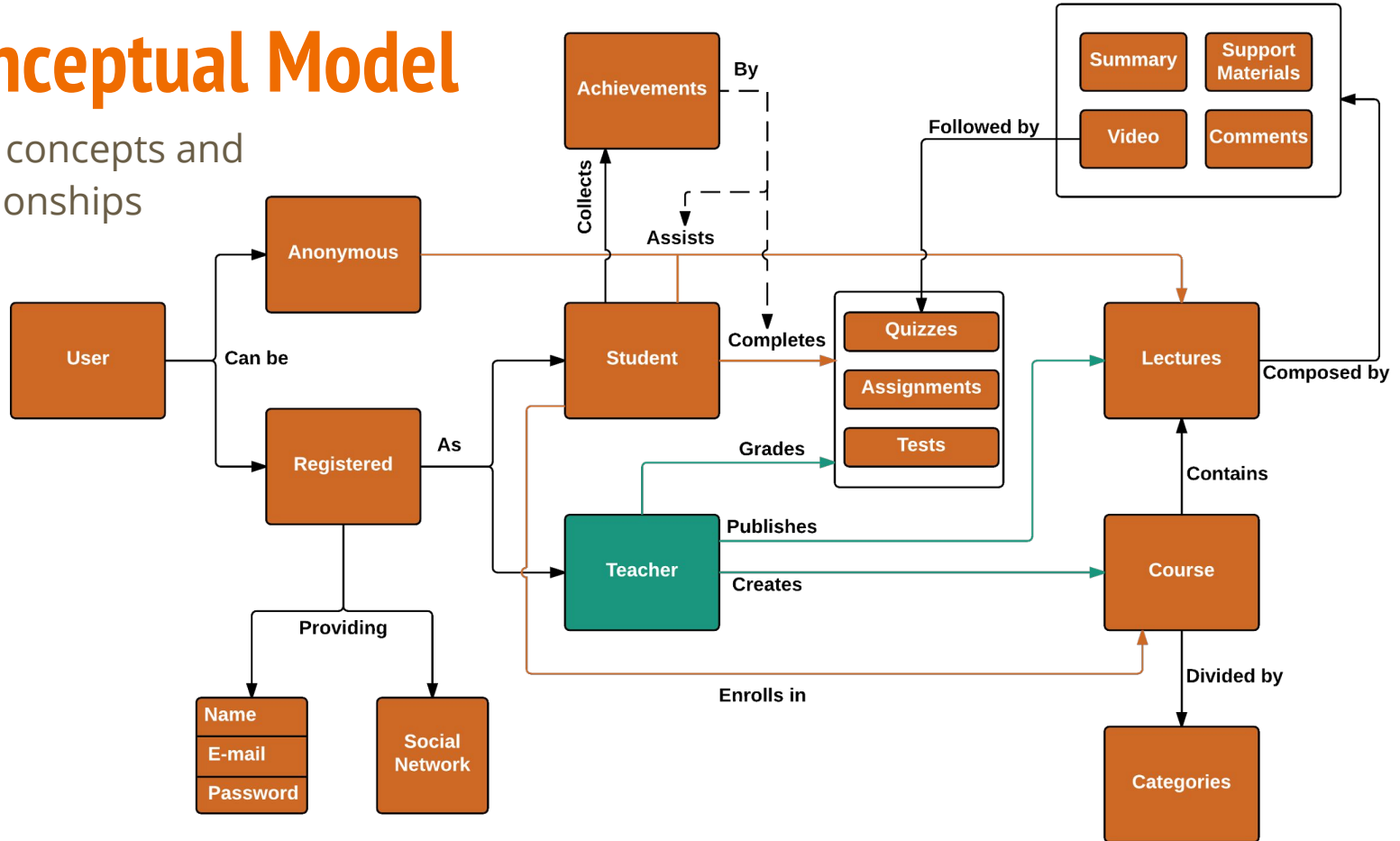
Opening a lecture page is like attending class.

**Commenting on a video is like discussing with classmates.**

Answering a quizz is like being asked  
if the student was paying attention.

# Conceptual Model

Core concepts and relationships



# Let's begin prototyping!

Main focus points:

- Easy selection
- Lots of images
- Large fonts
- Minimal menus
- No icons
- Few text

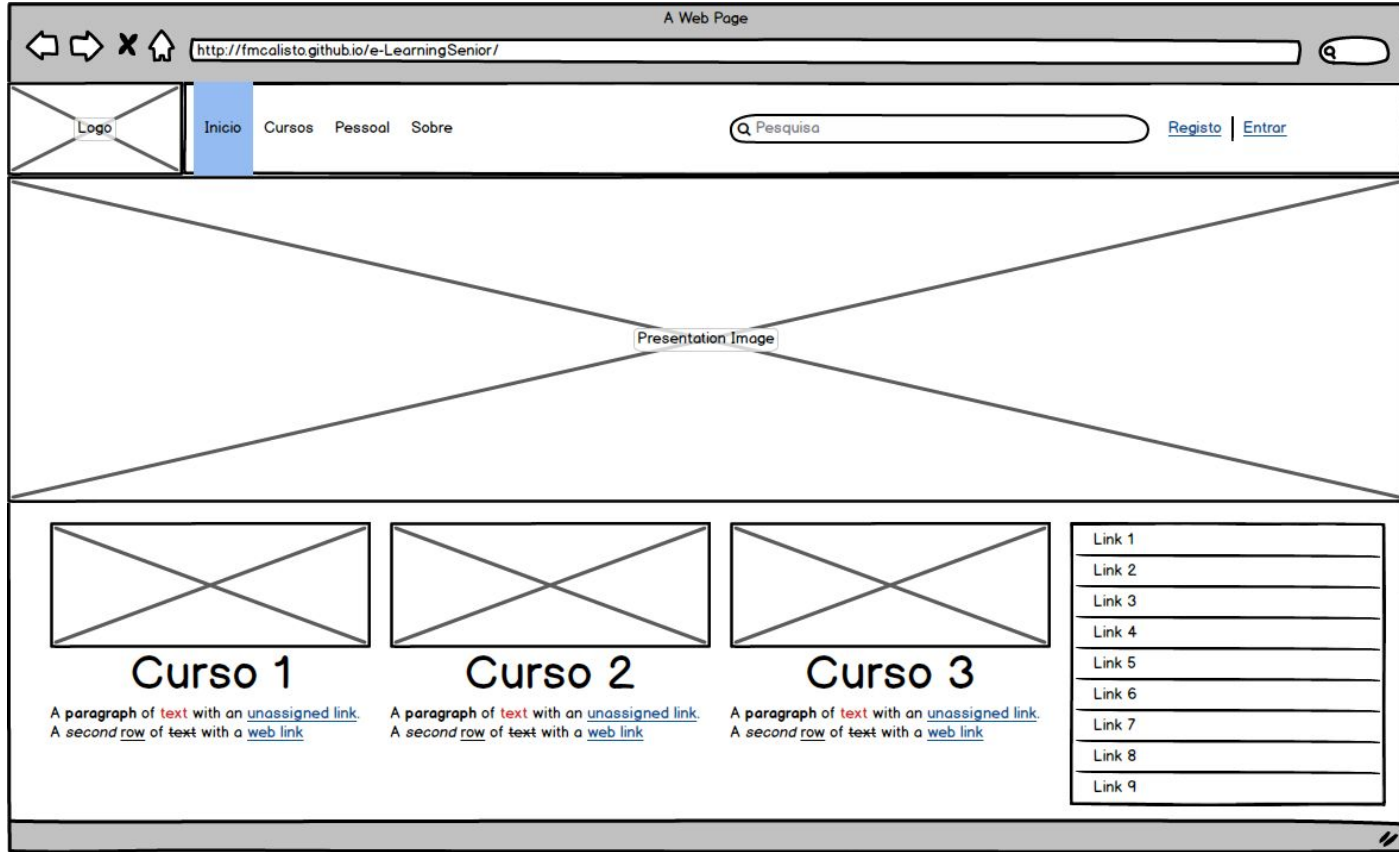
# Low fidelity prototypes

Materializing our user's demands  
using a mockup tool

## Sample pages

- Home
  - Courses
  - User
  - About
-

# Home



balsamiq

# Courses

A Web Page

http://fmcalistogithub.io/e-LearningSenior/

Logo Inicio Cursos Pessoal Sobre

Q Pesquisa Opções | Sair

## Jardinagem

Curso 1

A paragraph of text with an [unassigned link](#).  
A second row of text with a [web link](#)

Curso 2

A paragraph of text with an [unassigned link](#).  
A second row of text with a [web link](#)

Curso 3

A paragraph of text with an [unassigned link](#).  
A second row of text with a [web link](#)

## Inglês

Curso 4

A paragraph of text with an [unassigned link](#).  
A second row of text with a [web link](#)

Curso 5

A paragraph of text with an [unassigned link](#).  
A second row of text with a [web link](#)

Curso 6

A paragraph of text with an [unassigned link](#).  
A second row of text with a [web link](#)

Link 1

Link 2

Link 3

Link 4

Link 5

Link 6

Link 7

Link 8

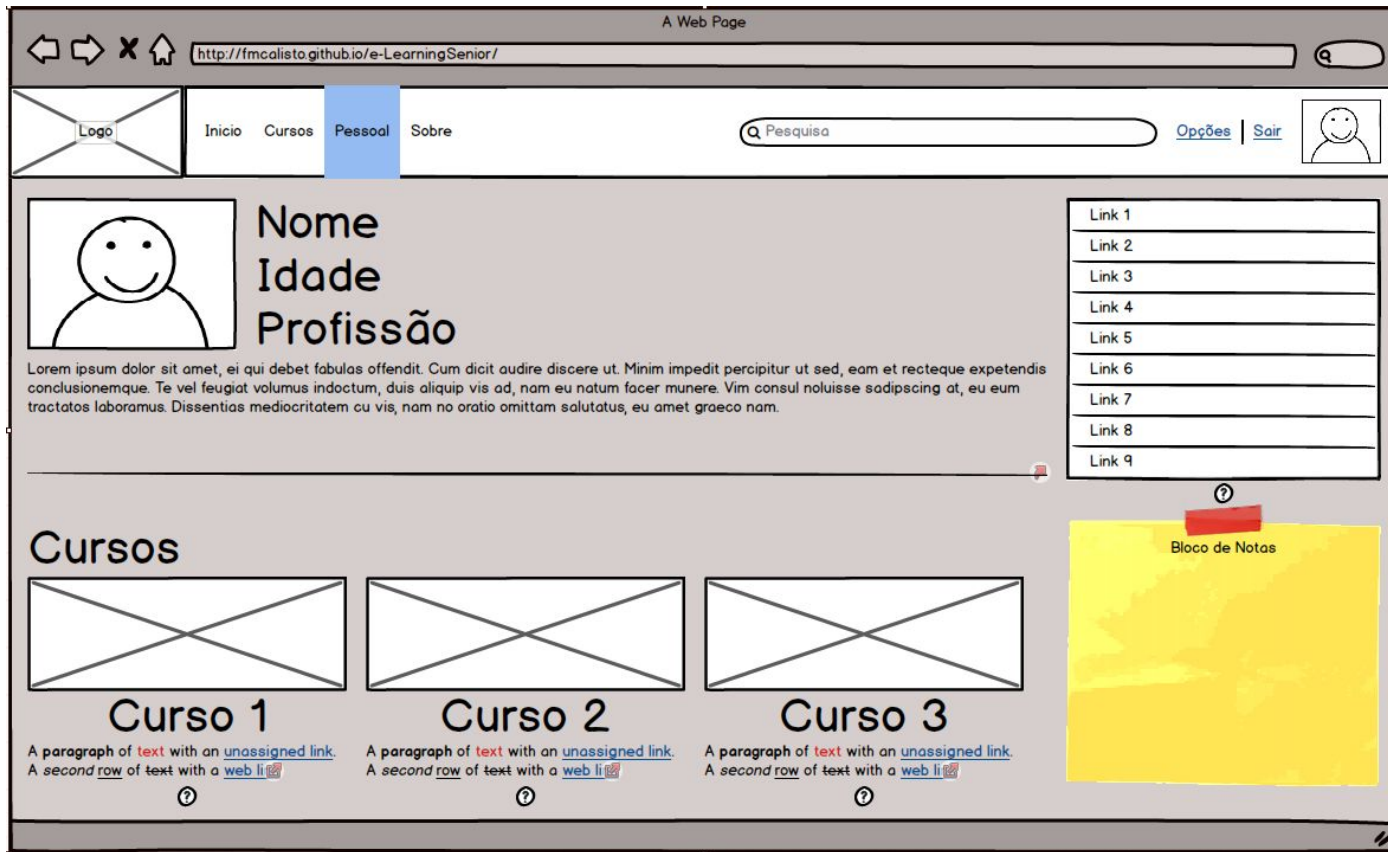
Link 9



balsamiq

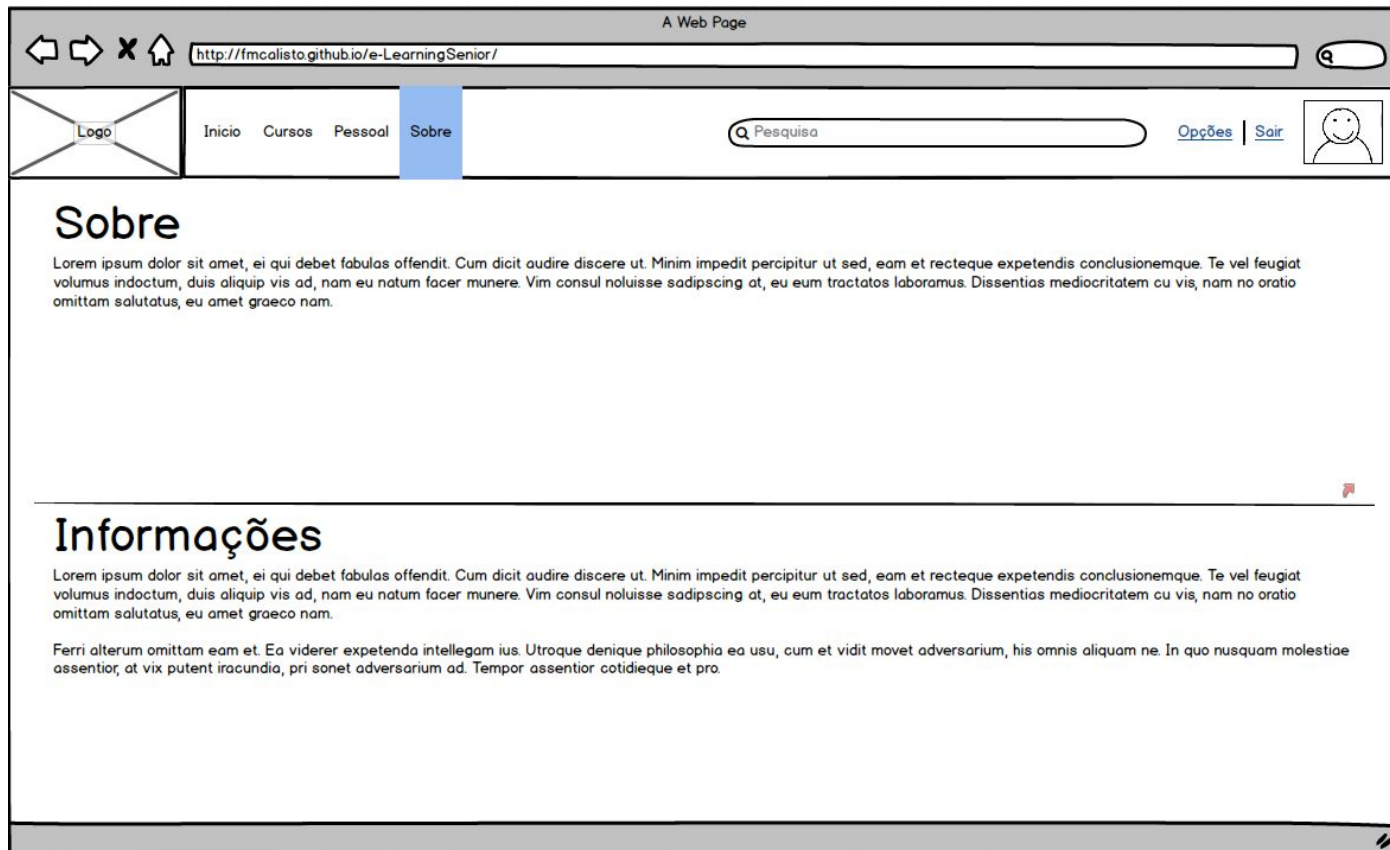


# User



# balsamiq

# About



balsamiq

# Low fidelity prototypes

Materializing our user's demands  
sketching on paper

## Sample pages

- Home
  - Sign-in
  - Courses
  - Profile
  - About
  - Help
-

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INÍCIO | CURSOS | PESSOAL | SOBRE | ?

↓  
ENTRAR

Nunca é tarde para aprender

PROCURAR UM CURSO

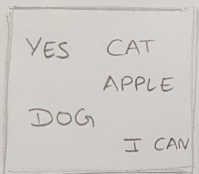
→ CURSOS MAIS POPULARES



ARTE  
Arte Renascentista



CULINÁRIA  
Receitas Fáceis



LÍNGUAS  
Inglês Módulo I

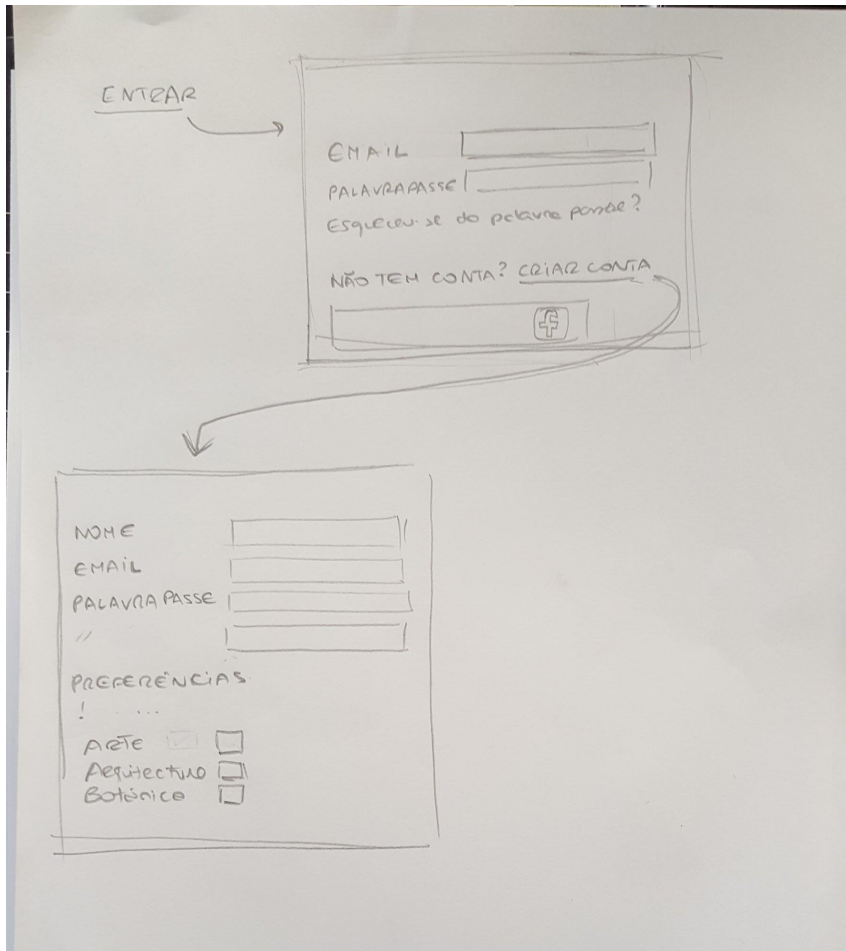


TECNOLOGIA  
Aprender os básicos

? PARA VER MAIS CURSOS VÁ A CURSOS.

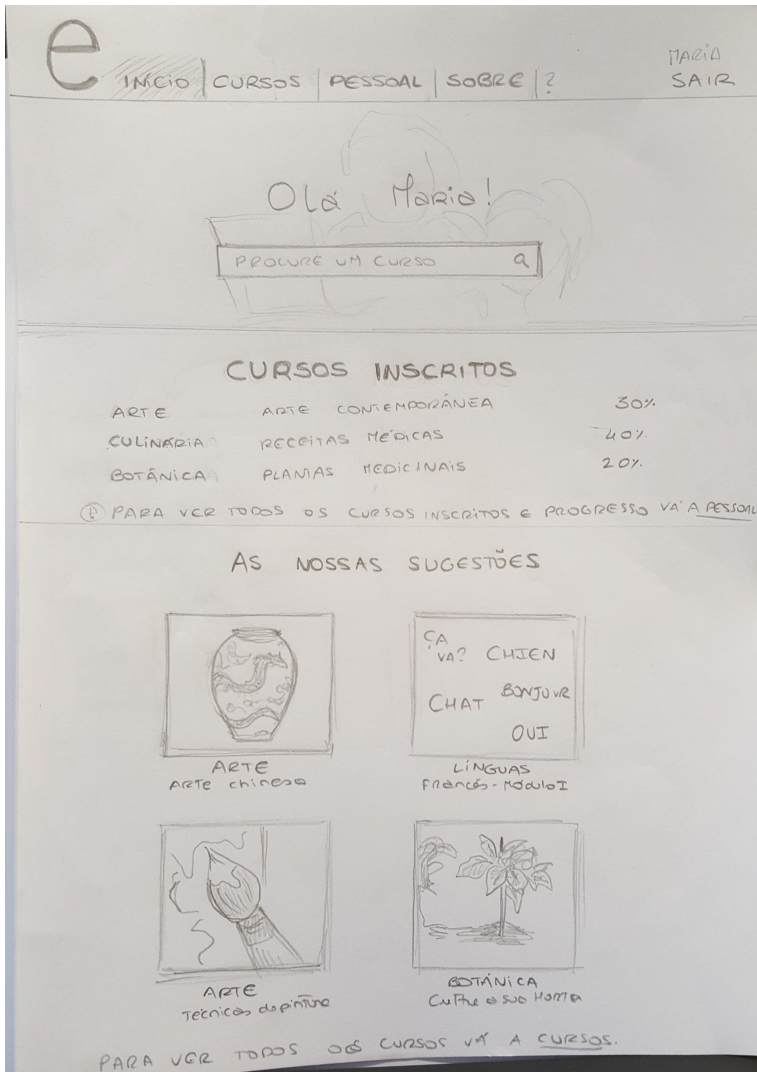
## Homepage: First Contact

- Slider banner
  - Attention grabber
- Motivational message
  - User feels engaged to stay
- Search box
  - Don't waste time browsing
- Featured courses
  - Most likely to interest the user



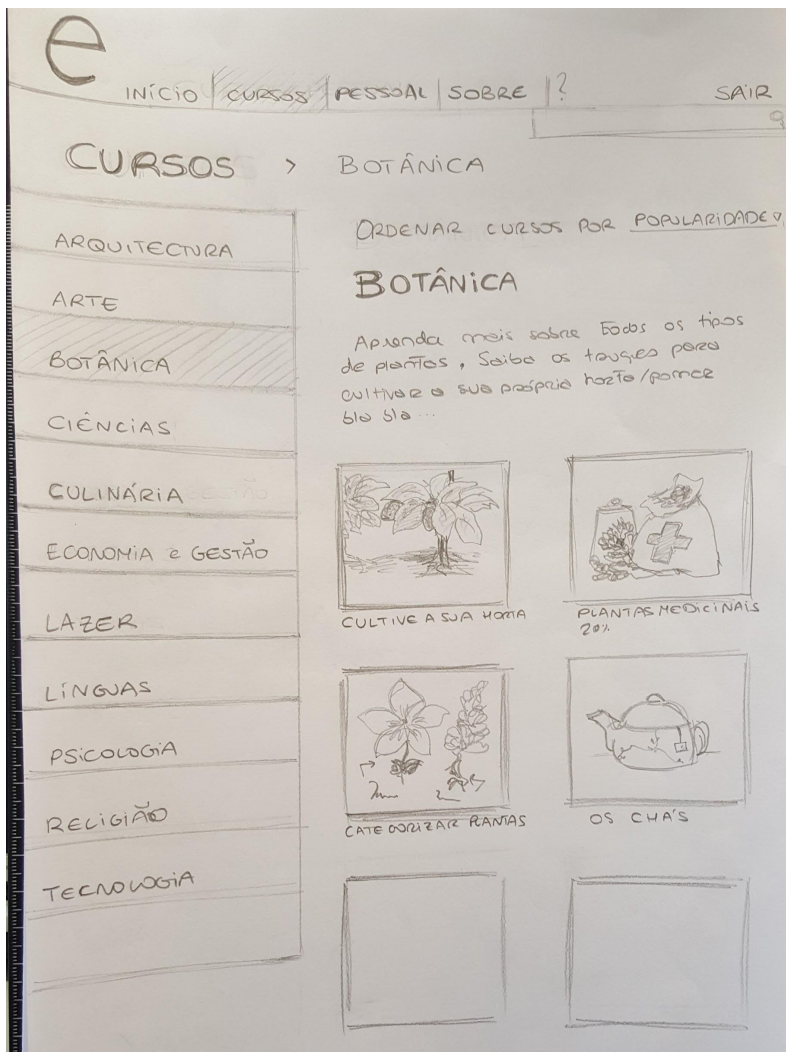
## Sign-in Tooltip

- Sign-in with platform credentials
  - If user already owns an account
- Sign-in with social networks
  - One-click and ready to go
- Register personal account
  - Mark areas of interest



## Homepage: Personalized

- Welcome message
  - User feels special and at home
- Progress preview
  - Motivation to reach higher goals
- “Speed dial”
  - Courses linked to personal interest subjects



## The courses tab


- Site directory full path
  - Quick navigation backwards
  - Feedback about current state
- Category sidebar
  - Alphabetical order
  - Current category highlighted
- Course preview
  - User chooses a course by clicking the thumbnail

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INÍCIO | CURSOS | PESSOAL | SOBRE | ?

SAIR



CURSOS > BOTANICA > PLANTAS MEDICINAIS



### PLANTAS MEDICINAIS

Tempo: \_\_\_\_\_  
UNIVERSIDADE: \_\_\_\_\_

**PROFESSOR**

NOME: AFONSO INACIO DA SILVA  
EMAIL: afonsoinacio8@hotmail.com  
CV:  DOWNLOAD 

OUTRAS AULAS DADAS: >

Inscriver

AULAS

### PLANO DE AULAS

PARTE 1 - Introdução ao conhecimento racional das plantas

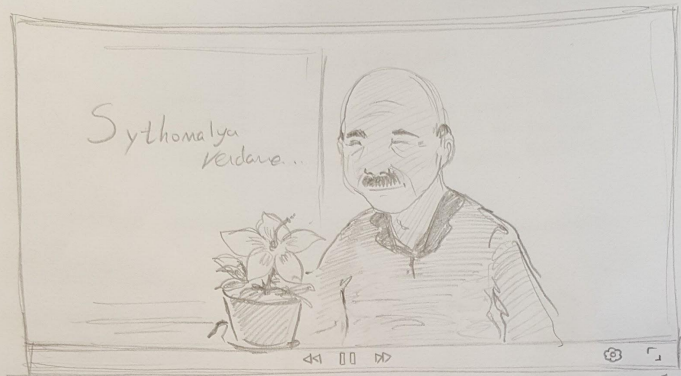
Aula 1	
Aula 2	
Aula 3	
Aula 4	

PARTE 2 -

## Course page

- Title
- Description
- Teacher
- Option to enroll/cancel
- Curricular plan
  - Ordered list of lectures to select
  - Assisted lectures are marked





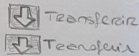
AULA 3 - // PARTE 1 // - BLA BLA

679 visualizações

SUMÁRIO:

MATERIAL DE APOIO:

PLANTAS E O USO NA MEDICINA  
VIVER MELHOR

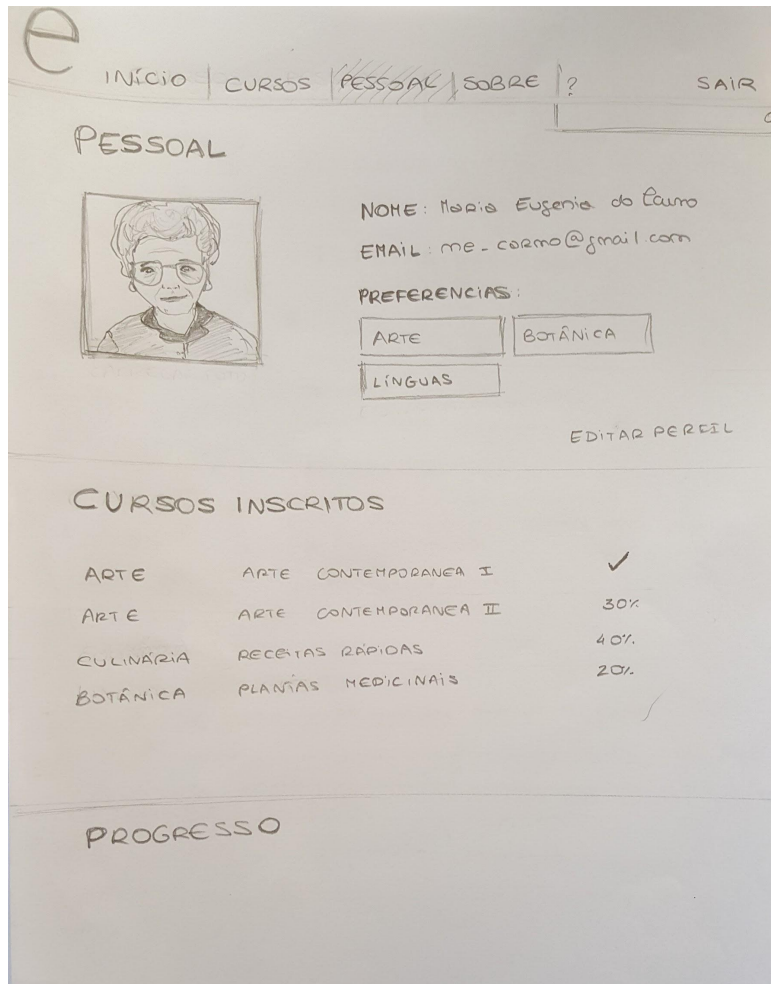


COMENTÁRIOS:

COLOQUE O COMENTÁRIO

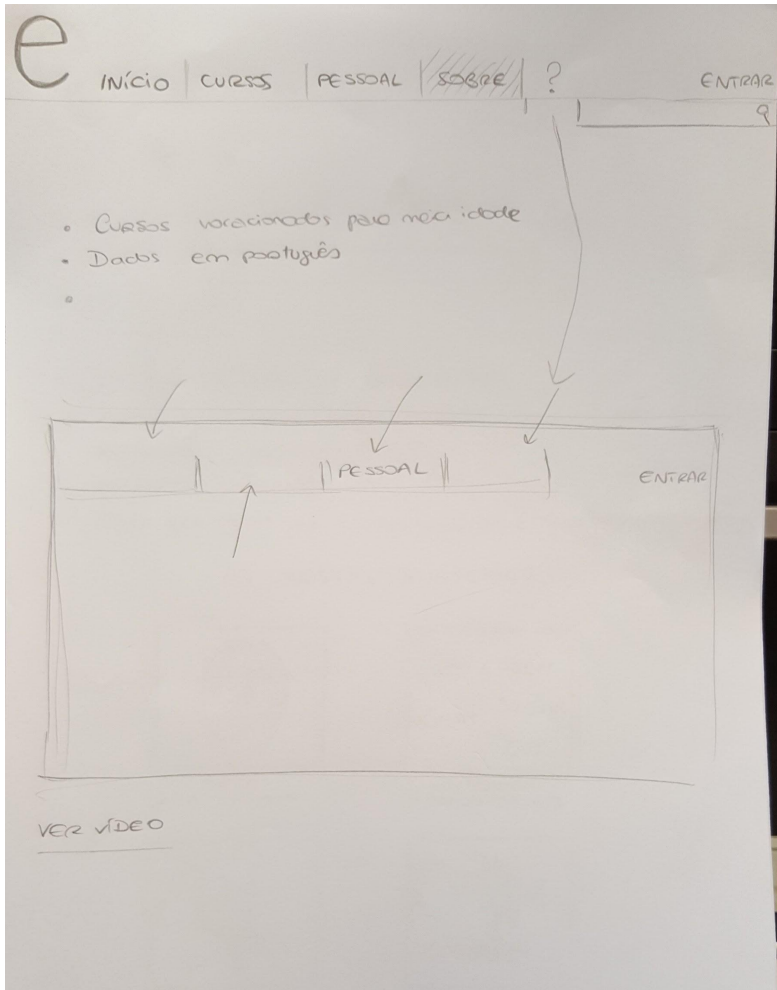
## Lecture page

- Video player
- Brief summary
- Support materials
  - Available to download
- Comment section
  - Students discuss openly
  - Teacher clears doubts



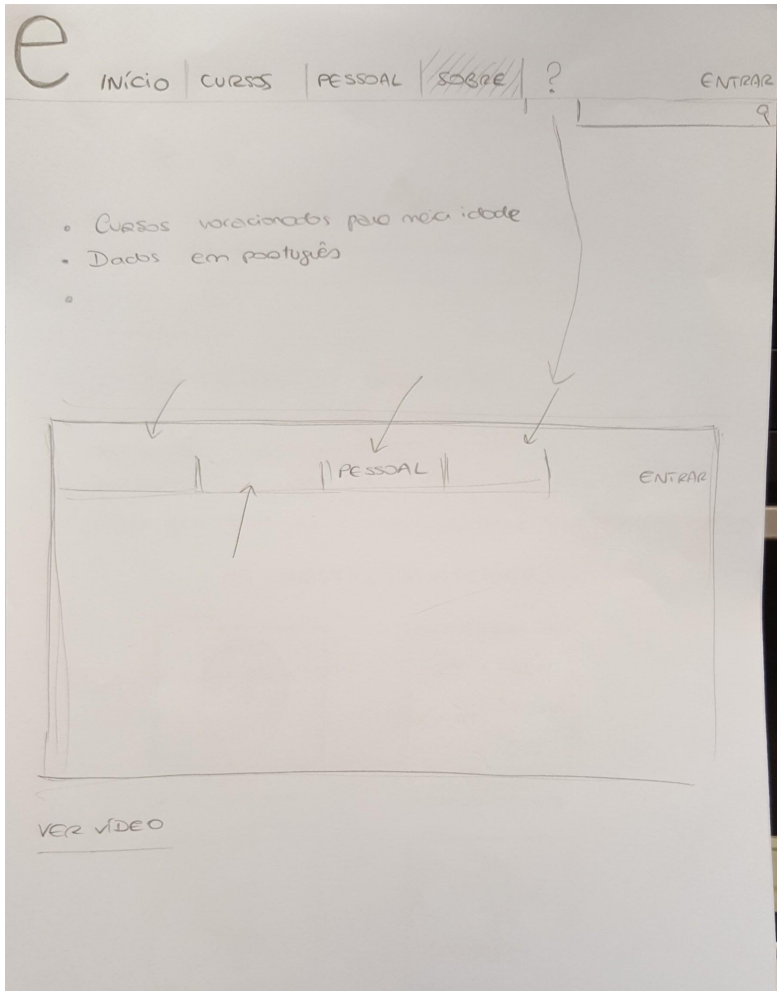
## Personal area: Student profile

- Shared information
- List of courses enrolled in
- Progress monitorization



## About section: Motivation

- What is “Senior e-Learning Platform”?
- What can you find here?
- Why should you stay?
- Thank you message
- Useful contacts



## Help button

- Displays a tooltip with a copy of the website
- Each button/section is associated with an explanation and instructions

# Testing with users

How well did our users manage the platform with the current prototype?  
Let's compare the average time, number of clicks and input accuracy for each functionality!

# User tests

We contacted our focus group, once again, and they were given:

- The paper prototypes
- A physical keyboard

In each test they are asked to complete an action, without previously knowing the correct step sequence.

The timer sets off at the moment we give them the start page.

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Action	Time	Num. Clicks	Accuracy
Create an account*	88s	6	80%
Log-in using Google+	13s	3	100%
Enroll in a course**	26s	6	85%
Assist a lecture**	38s	8	80%
Make a comment**	50s	11	75%
See progress**	14s	3	90%
Edit personal interests**	65s	5	90%
Read info about the platform	10s	1	100%
View help	12s	3	80%

\* Without filling the interest boxes

\*\*Assuming user is logged in

**NOTE:** All tests start at the homepage

# Conclusions

Final verdict

- The interviews and probe results did, in fact, help
  - The focus group was pleased with our work so far
  - There were only minor difficulties while doing most of the tasks
  - The longest time-spending tasks were the ones where the users had to input information
  - The interface is intuitive
  - Users felt accomplished because they helped in the design
-