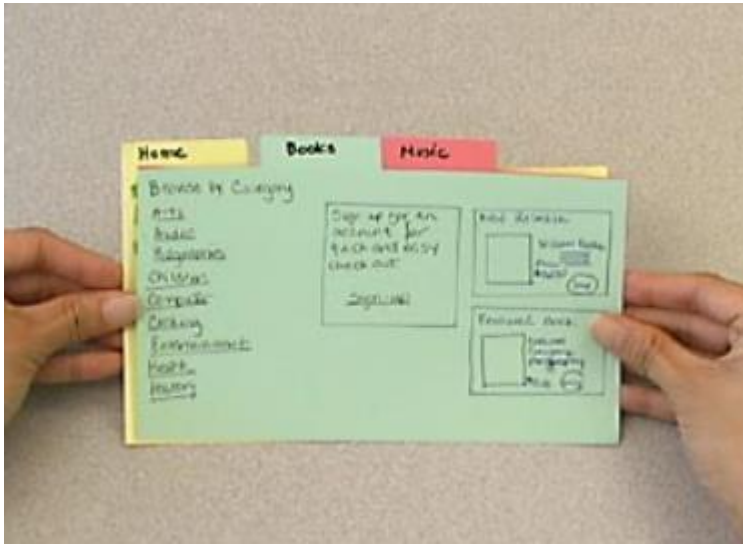
Universidade de Aveiro
Departamento de Electrónica,
Telecomunicações e Informática

Low Fidelity Prototyping



Low fidelity prototypes

- Fast and inexpensive
- Elicit users feedback concerning general aspects
- Easy to modify even during user tests
- Valuable to test the UI conceptual model

- Specifically adequate to get feedback concerning:
  - Concepts and terminology
  - Navigation
  - Contents
  - Functionality

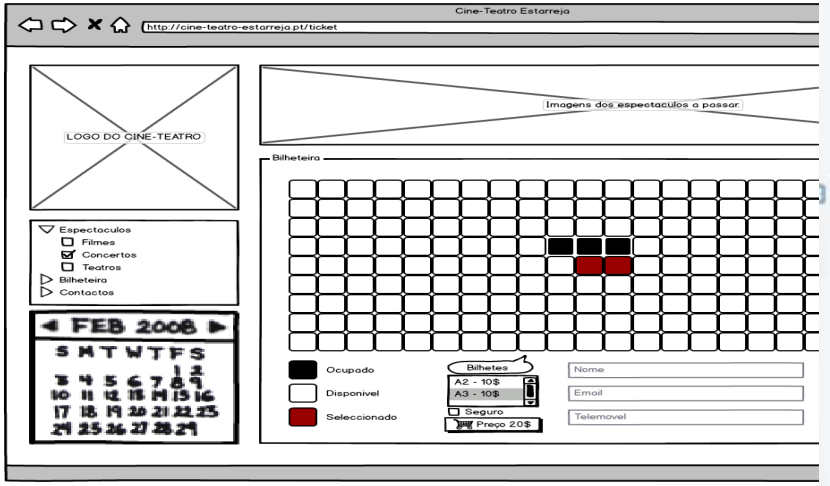
How to prepare and use a paper prototype

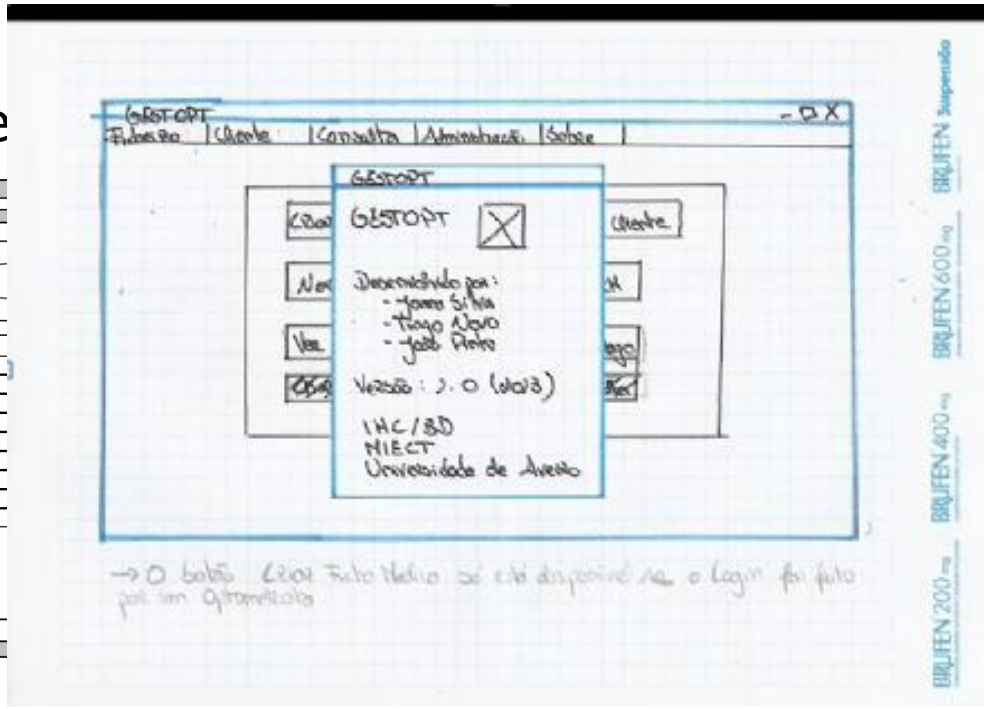
- Define the user tasks
- Draw the screens, menus, dialog-boxes, messages etc. needed for the tasks
- Prepare the test protocol
- Perform the user tests:
  - One experimenter conducts the test
  - Another observes
- When needed change the prototype

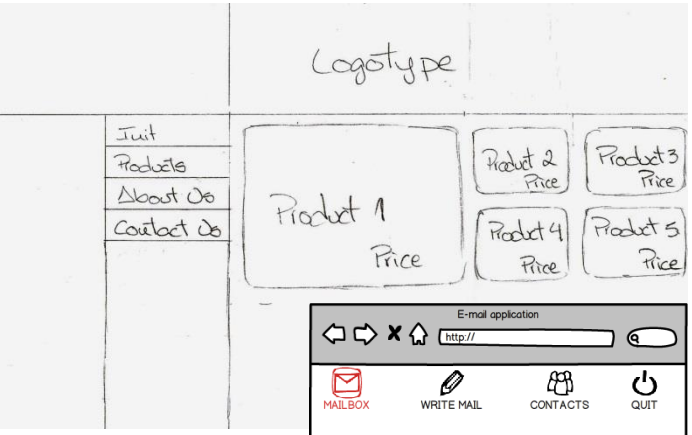
http://www.paperprototyping.com/

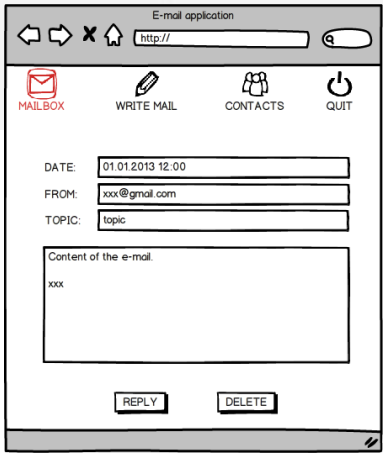
- It does not need to have much detail, nor to be very realistic, e.g.:
  - Text may be replaced by some lines
  - Images may be replaced by word
  - In general no colour is needed
  - Sizes of windows, fonts, etc. don’t need to be final

May be more or less “sophisticate









Shopping List

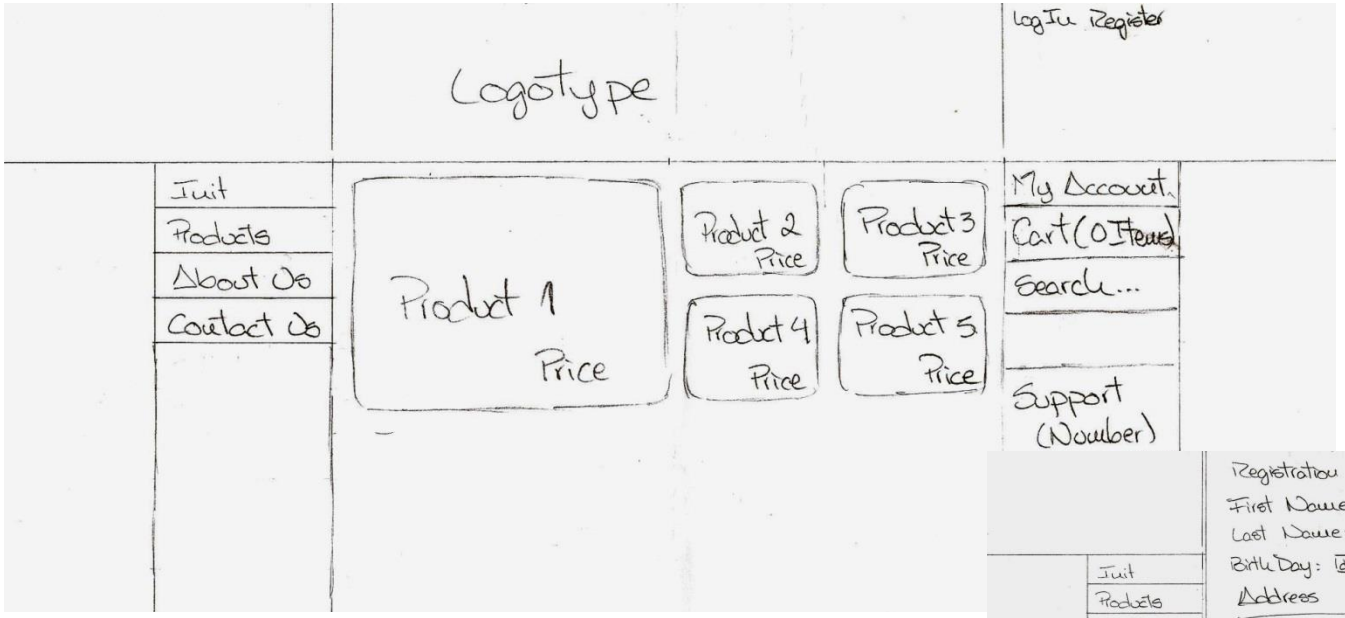
Recent lists

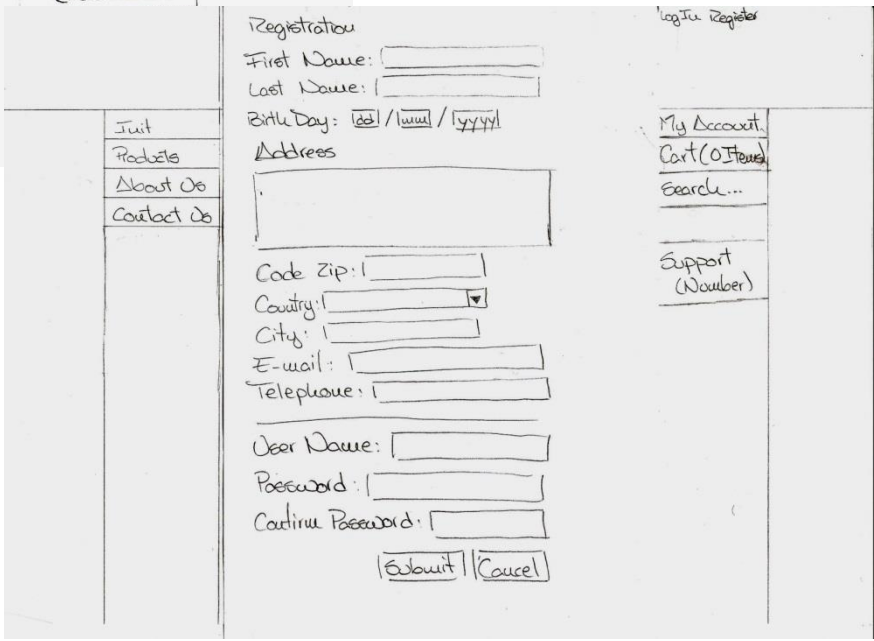
Insert list by category

Insert list by notebook

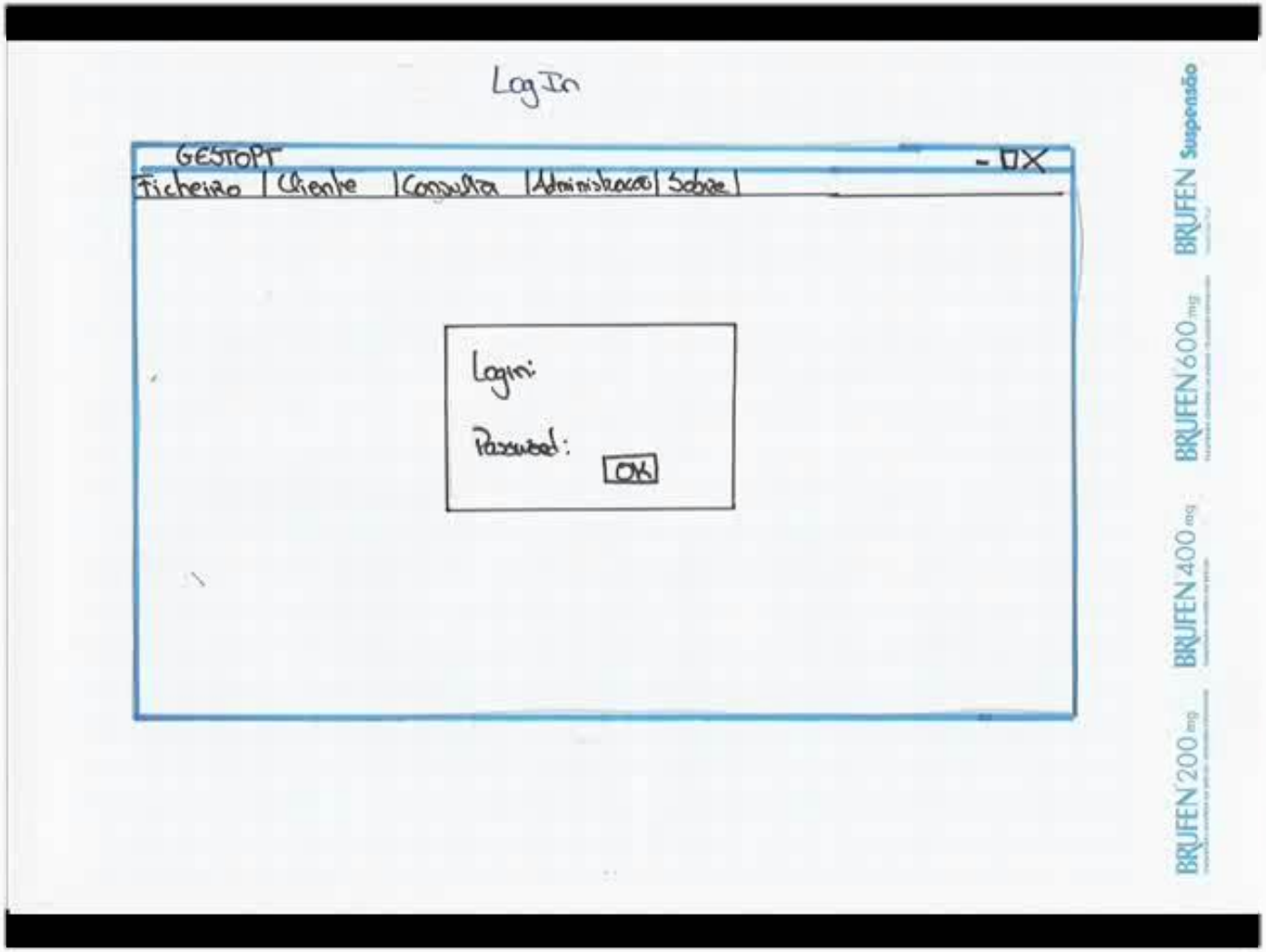
- Insert the list above while we are adding products

Example: “on-line shop”

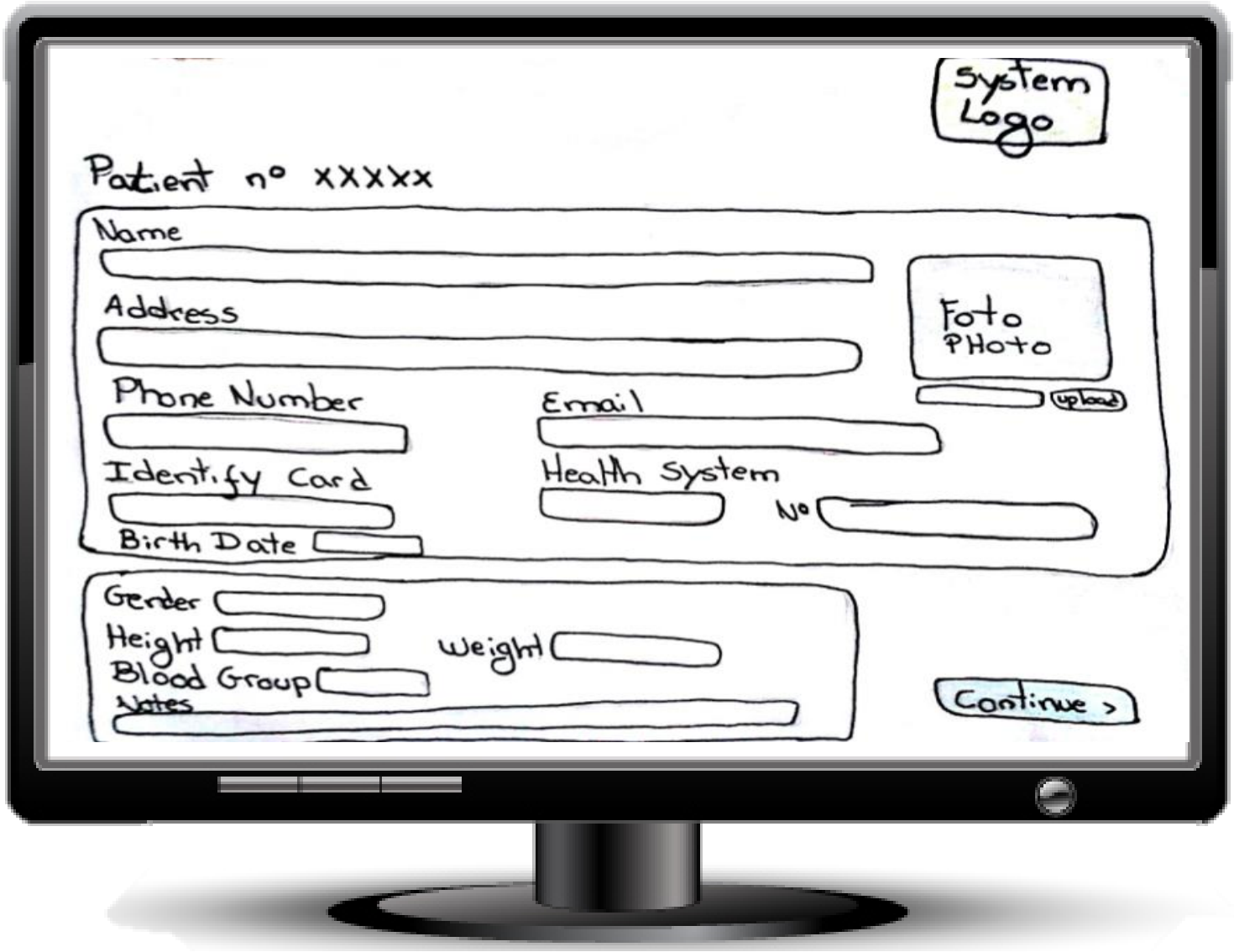




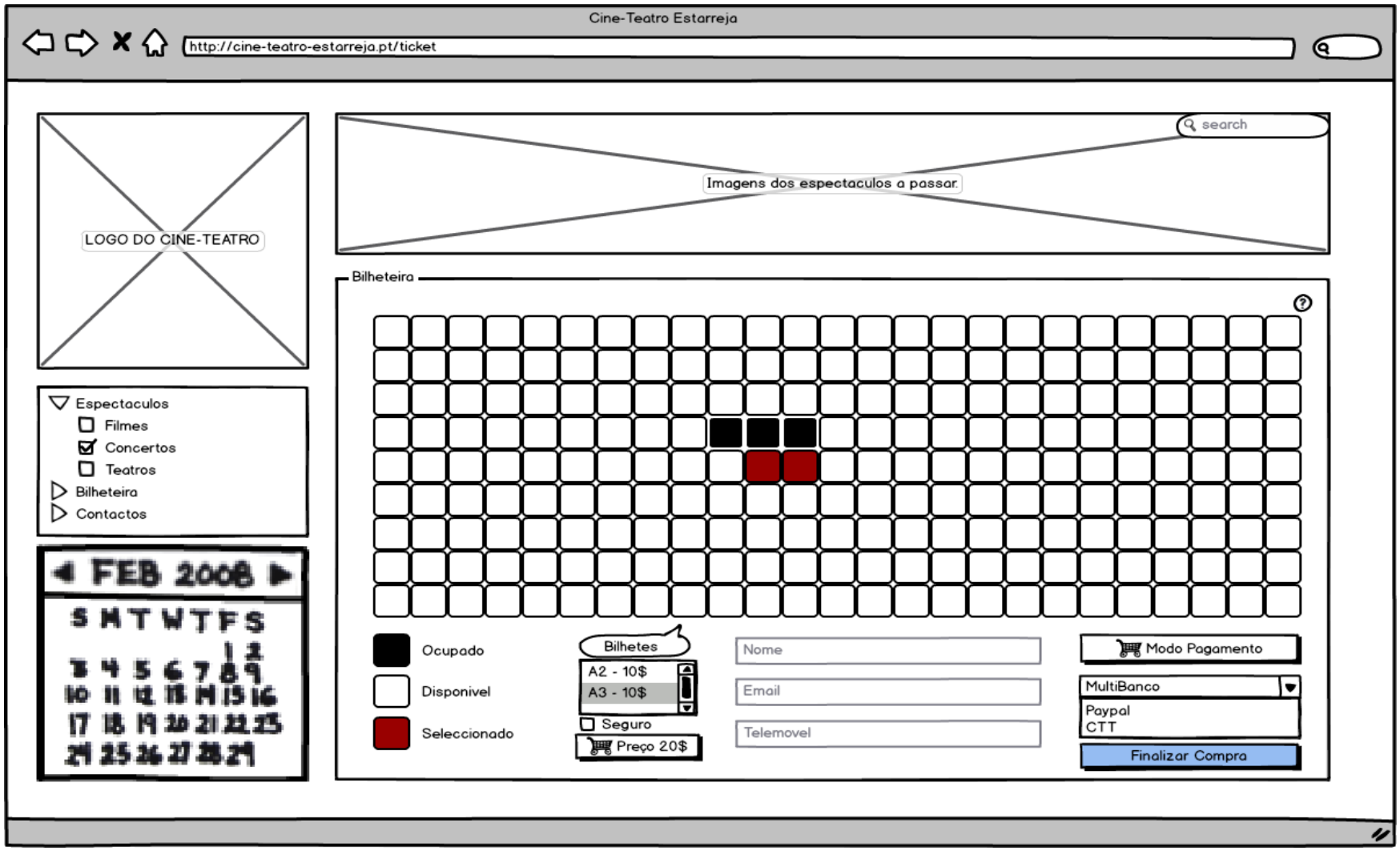
Example: “store managment application”



Example: “E-Doctor”


System Logo
Patient nº XXXXX
Name
Address
Foto
PHoto
upload
Phone Number
Email
Identify Card
Health System
Nº
Birth Date
Gender
Height
Weight
Blood Group
Notes
Continue >

Example: a “ticketline” prototype



Cine-Teatro Estarreja

http://cine-teatro-estarreja.pt/index

LOGO DO CINE-TEATRO

search

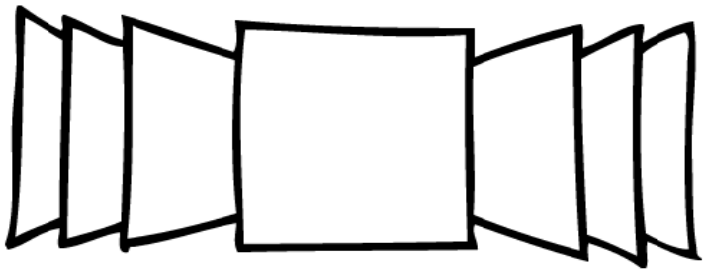
Imagens dos espectaculos a passar.

- Espectaculos
  - Filmes
  - Concertos
  - Teatros
- Bilheteira
- Contactos

FEB 2008

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

Concertos



Artista/Espectaculo/Filme

Descrição do Espectaculo

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam hendrerit, nisl eu pretium consectetur, diam magna convallis nisi, quis placerat nisl magna in magna. Cras convallis condimentum volutpat. In non orci non ipsum bibendum placerat. In hac habitasse platea dictumst. Nam vulputate pretium leo eget gravida. Aenean porttitor pretium augue, egestas facilisis arcu vestibulum a. Morbi posuere enim arcu, nec mollis metus.

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FEB 2008

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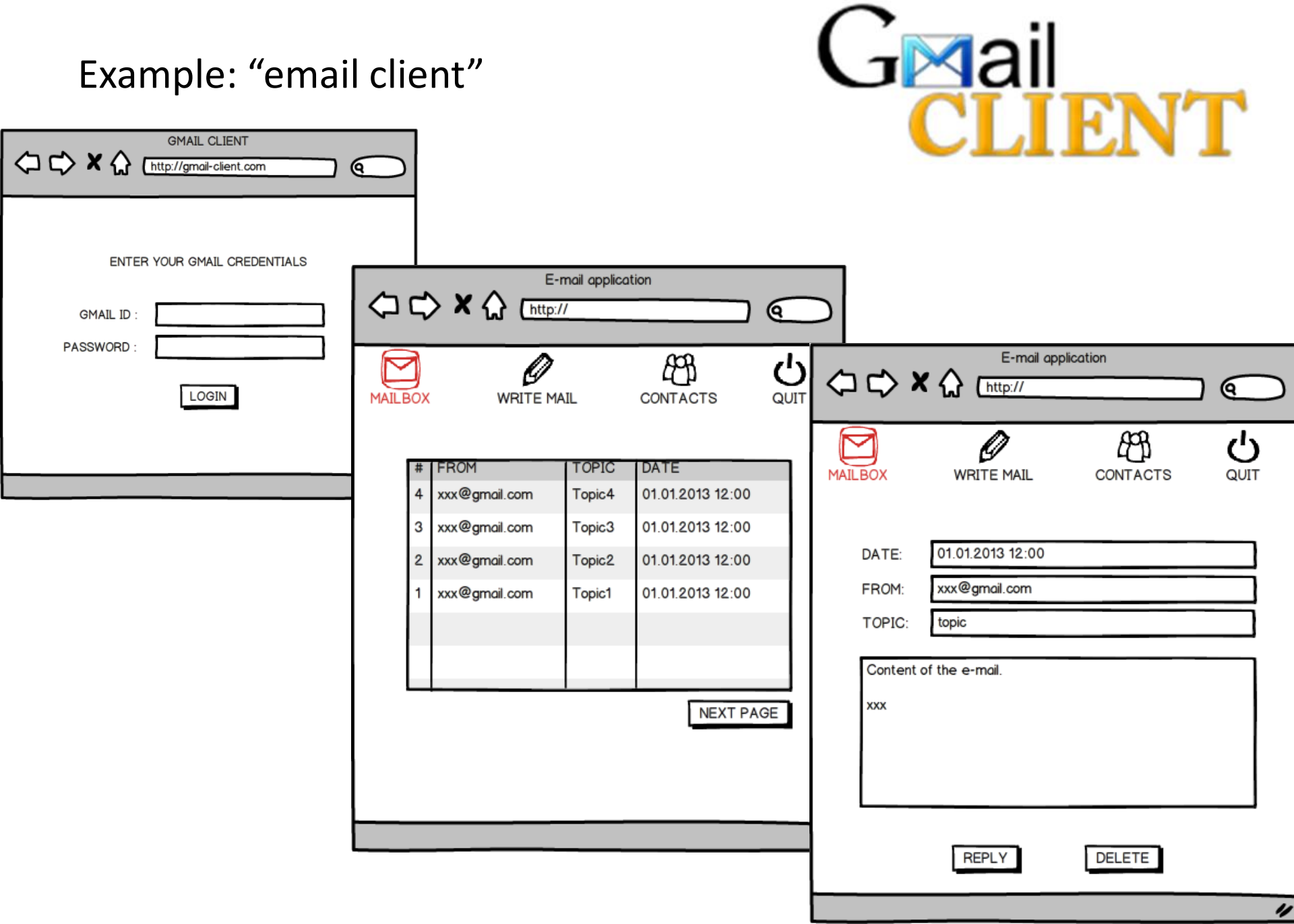
17	18	19	20	21	22	23
24	25	26	27	28	29	

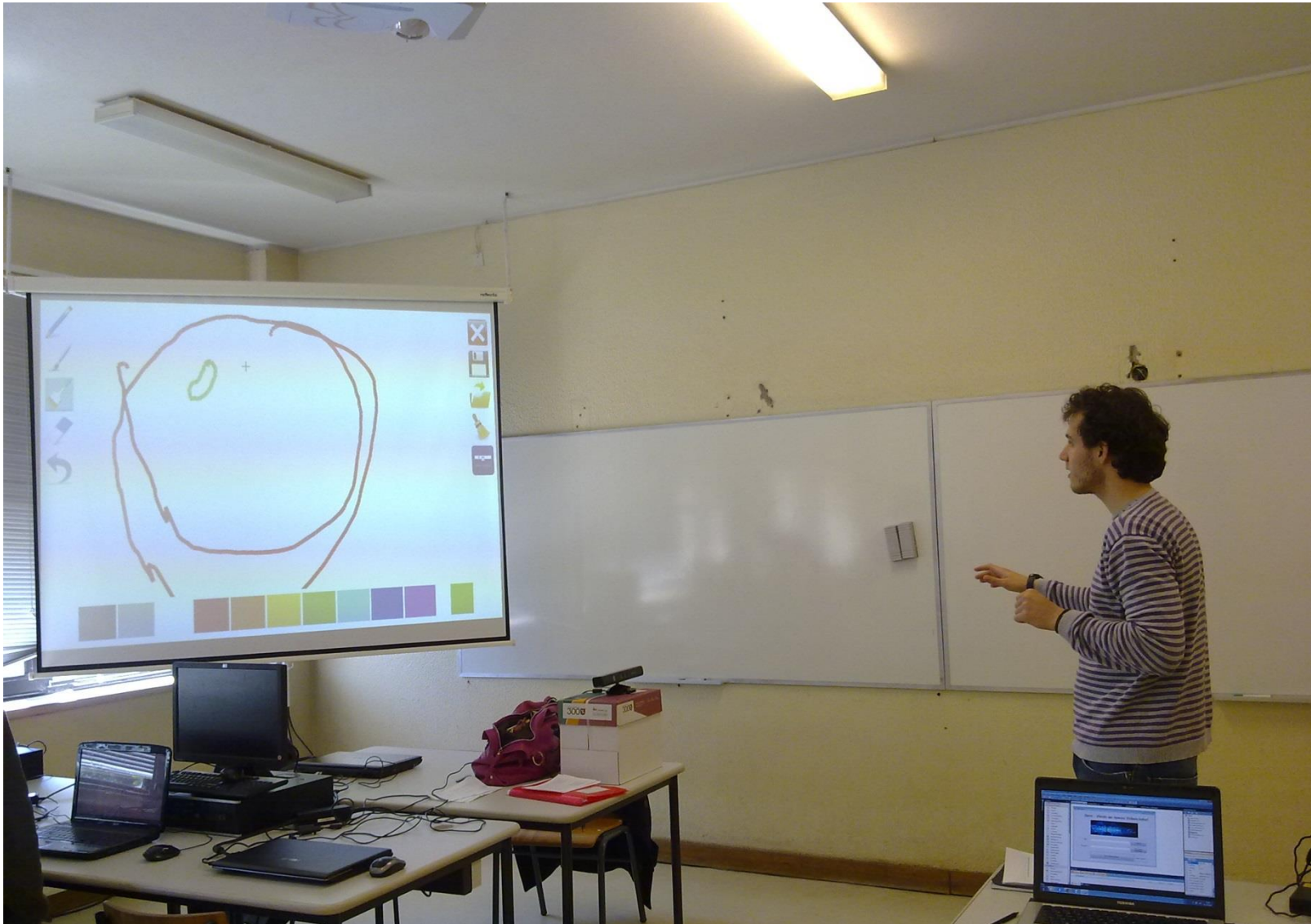
Comprar

Example: “email client”



Even for non-desktop applications

Example: “Air paint”



Example: “Pac-Man”

Example: “My shop” app

- Participant #1
  - Insert “Previous” and “Next” buttons
- Participant #2
  - Scroll and swap options
  - Prev and Next should be arrows

Search Localization

New localization

- Change name “Mark” to “Supermarket Name”
- Change order of “City” and “Supermarket”

Recent localizations

Localization by GPS

Shopping List

Recent lists

Insert list by category

Insert list by notebook

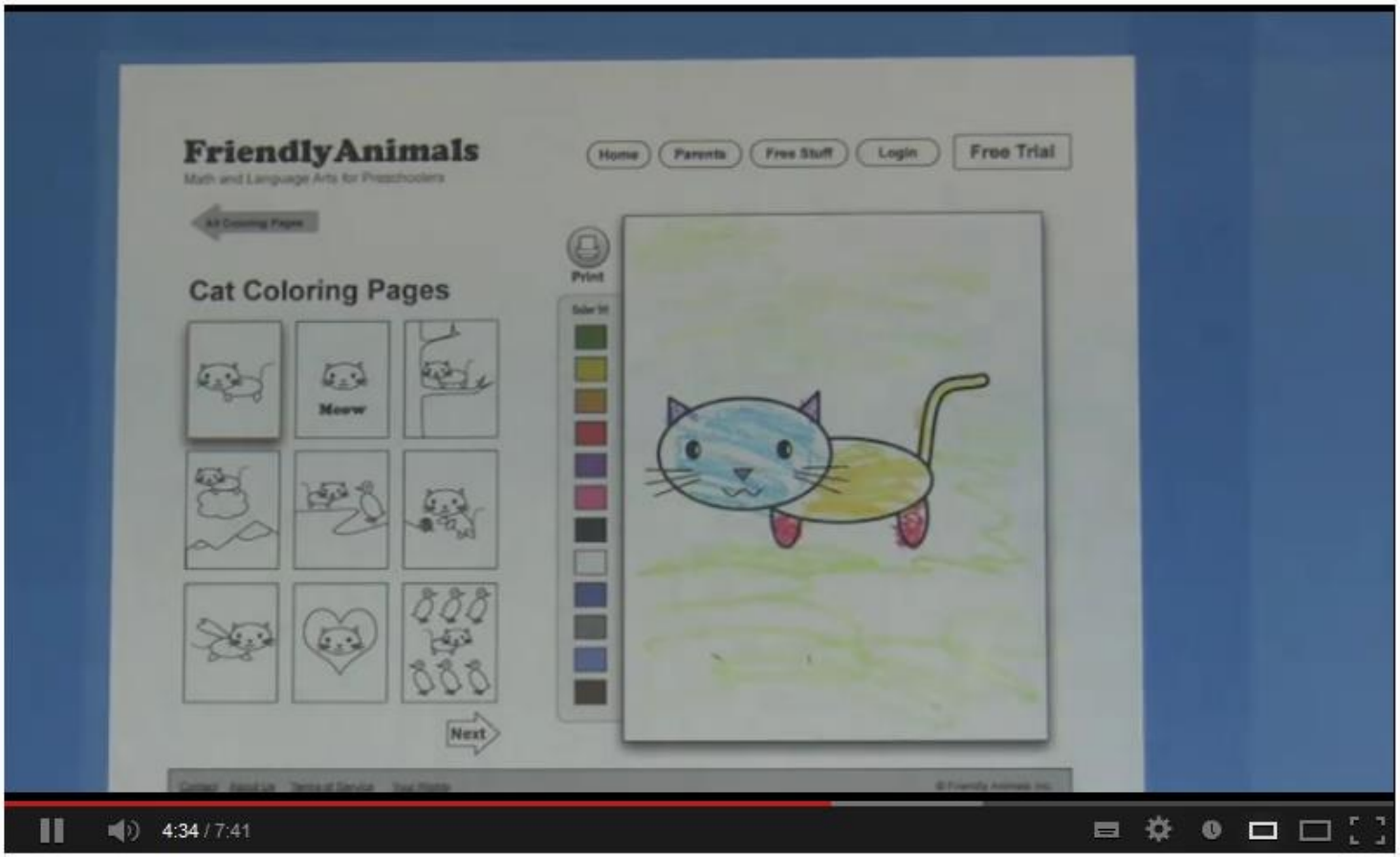
- Insert the list above while we are adding products

Shopping Map

Interacte with map

- Insert button “Next produt”

Modify list



“Performing a usability test early in your website planning process can have huge returns - a paper prototype allows you to do this with a minimal time investment” http://www.youtube.com/watch?v=9wQkLthhHKA

Bibliography and links

- Carolyn Snyder, *Paper Prototyping: The Fast and Easy Way to Design and Refine User Interfaces*, Morgan Kaufmann, 2003

- http://www.paperprototyping.com/

- Acknowledgment

  To all students who have used paper prototyping in previous editions of the Human-Computer interaction course and colleagues who supervised them