


Human Computer Interaction (HCI-MAI)

Block 1: Some project ideas

Session 1: Key ideas on project proposals

- Concepts and context
- Some ideas and examples of past students activity



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Overview of the HCI course contents:

Block 1: General concepts. Projects organization.

Block 2: Main aspects of HCI and HMI

Block 3: Interaction.


- Principles of human information processing, performance, learning, cognition.
- Emotions and cognitive engineering. Situated interaction

Block 4: Pervasive computing

- Principles and technology overview. Architectures and OS.
- Location and context awareness. Ubiquitous interfaces.

Block 5: Person-centred design and Social aspects of HCI

- Smart environments. Principles and technologies for Ambient Intelligent design.
- Ambient Assisted Living (AAL): requirements and solutions.
- HCI Ethics: privacy, autonomy, integrity, reliability, security
- e-Inclusion. Technology in the society
- Social Computing. Legal aspects



Emphasis on basic concepts and Project Organization

Emphasis on Technology and Ubiquity

Emphasis on relationship Person-environment

Emphasis on society and legal aspects

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On Projects Organization: working on projects is a main activity of the semester

- You are required to present your ideas for a Project
- This project is part of the course activity and its development will be used as a piece of your evaluation.
- An important aspect of a Project organization is to have and manage a right working team.
 - You have previous knowledge of each others.
 - You can look for some background according with your ideas
 - Who will be the task leader? How many tasks?
- Please, try to organize your Project according the ideas and concepts explained in the session.



Find hereafter a set of ideas and small projects developed by the students along some of the last semester of the HCI course...

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Human-Computer Interaction

You are unique.



Stylize

FINAL PRESENTATION

May 2011

Group #2:

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Implementation



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Happy Hop

A personalized beer recommender



Pere Ayats, David Hernandez, Raquel Nicolau, Manel Rosa



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Block I: Some project ideas

AI-assisted Image Editor

Project specification

Nafis Banirazi
Pablo Arcos
Pritomrit Bora

Interface

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Block I: Some project ideas

- Advantages:
 - Hands free.
 - Adjustable.
 - Volume buttons easily reachable.
 - Holds the phone steadily.
 - An additional battery could be added.
 - Roughly equal distance from camera to head.

Affordable collision detection to assist the visually impaired

Project Specifications

Carlos Escolano, Gonzalo Gómez and Martí Soler

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RECICLATGEO

Motivation for being respectful with the environment



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Help for patients with chronic diseases

Brayan Castañeda
Rania Khouadja
Ronald Rivera





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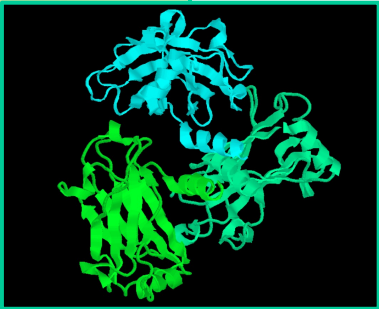
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Protein visualization through VR

Final Presentation

Group 4:
Alberto Sautullo
Jose Juan Galán
Alba Porras



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KIDSFOR.AI

AI FOR ELEMENTARY KIDS

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You will be asked to participate in a short presentation of your personal motivations and background, in order to facilitate the organization of your working teams.



- Present yourself
- Reasons why you are in this course
- Your background and skills
- Which type of project you would like to participate?