

# Technologies to Reduce the Access Barrier in Human Computer Interaction Erasmus Intensive Programme

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# HelpMe

Son - Lahti University of Applied Sciences (Finland)  
Lidia - Universitat Politècnica de Valencia (Spain)  
Debora - University Roma TRE (Italy)  
Alexey - Lahti University of Applied Sciences (Finland)  
Amaya - University of Zaragoza (Spain)

# Initial task description shortly

Create an application to help people to send emergency emails to their friends and relatives by using gestures.

Application must be easy to use in complicated conditions.



# Initial idea of the group shortly

Application allows to translate pictograms into words and vice versa and to send them by messaging systems.

The sender can type a text, and receiver would see pictograms.

By using this technology people can extend their connections and obtain additional communication possibilities.



# Focus group

People who are not able to walk

People who have problems of movements (tremor)



# Purpose and motivation

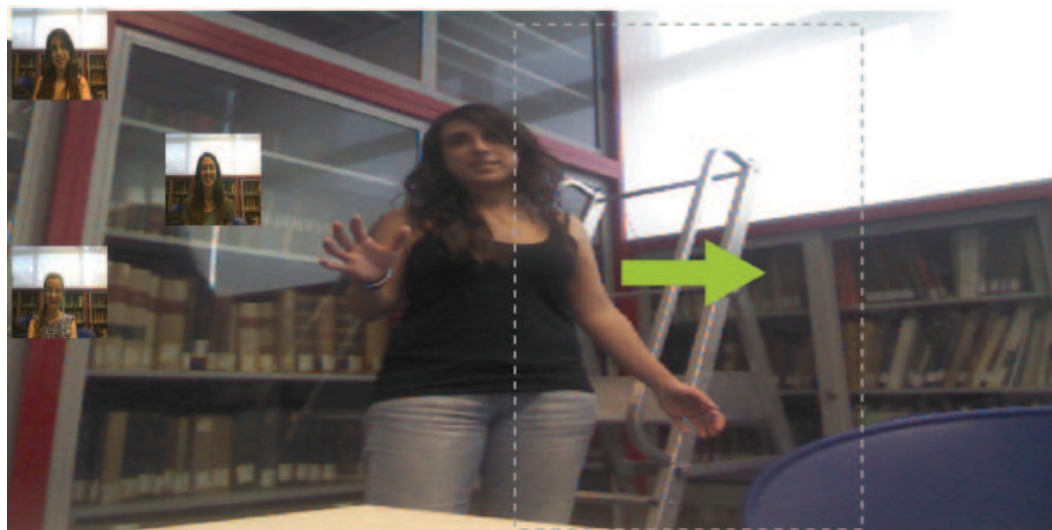
To improve the quality of life

To help people to ask for help in case of emergency

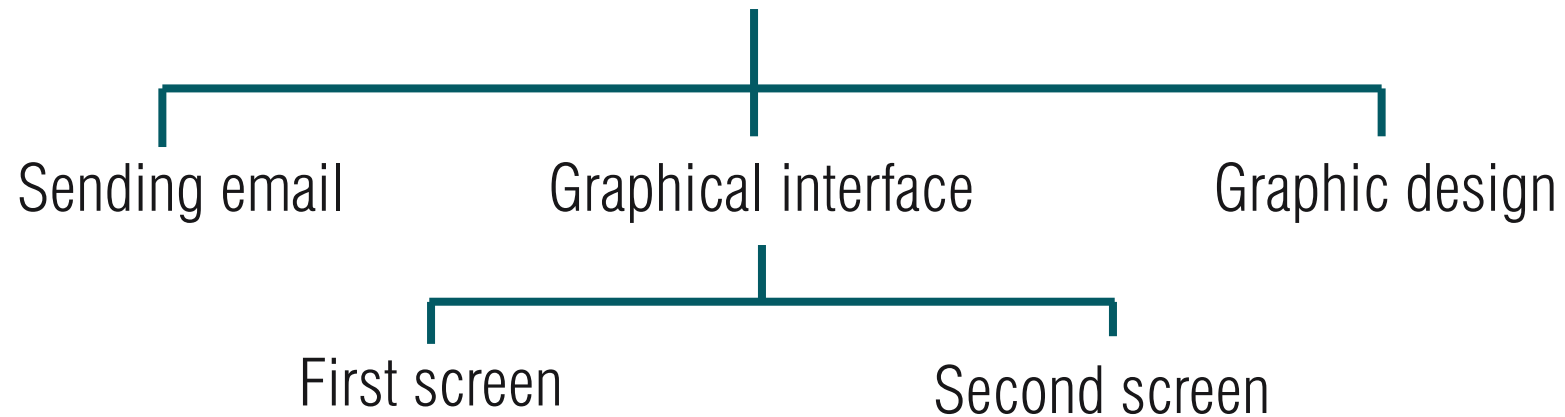
# Functionalities, Technologies and architecture applied

Sending emails via GMail by using gestures

Kinect, C#, WPF, internet



# SUBTASK IDENTIFIED



# DIFFICULTIES

How to implement the active areas?

Connecting to Gmail Server and sending emails

To control multiple objects on screen by using hand gestures

# WHAT WAS LEARNED?

Using Kinect

Working in an international group

C#

Share and explain ideas

Understanding possible difficulties depending on various types of disabilities or handicaps



# What was left not done?

Translate words into pictograms

## Ideas of how to proceed and extend the project

Create Settings page to modify email addresses and images of relatives

Allow people to introduce their own pictograms

Allow to send messages with custom content

Send emails, text messages, IM messages

Use both hands to control the application

# Where we succeed and why

Send email

Select between different people

Hold successful communication within a team

To accomplish the task in efficient way

# Where we failed and why

Adjust the speed of the pointer

Implement all features we would like to have in our application