deti | universidade de aveiro
departamento de eletrónica,
telecomunicações e informática

HCI - Assignment n.2

Design and prototyping of an application using a human-centered approach

Final presentation and demo

Project Title: Photi
Group: Frederico Vieira, Tiago Coelho, Ricardo Antunes
Lab Class: P3

Introduction
Photi

- We chose this project because we understand the difficulty of getting a good photographer in a short space of time.

- Solution: Create a simple and useful app to get around these problems.

Project Objectives
Photi

- Create a platform where anyone can hire a photographer
  in a quick and simple way

- To be a platform that can offer work to
  some photographers.

- Benefits: Spend fewer hours looking for a type
  of photographer as well as getting to know
  photographers and some of their work

Persona 1
Photi

- Name – João Ferreira

- Age – 24 y

- Gender – Male

- Job – Professional Photographer

- Background – João took a professional course and has worked in some agencies

- Motivation – João wants to work at various events and show his work

- Problem – João doesn't know how to be contacted by customers

- Needs – A platform where he can be contacted by clients and show his work to them

Photographer

Persona 2
Photi

- Name – Maria Rita

- Age – 34 y

- Gender – Female

- Job – Architects

- Motivation – Maria is getting married and needs a photographer for the wedding

- Problem – Maria doesn't have much time to find a photographer because of the wedding

- Needs – Maria needs a fast way to hire a photographer

Bride

Scenario 1
Photi

- Create a profile on the site and put a portfolio with past work:

    - João is unemployed after working in several agencies and wants to start a solo job, so he needs to get clients and show his work. Without an application would be quite difficult, he would have to place ads in various places like newspapers, social networks, etc. Which would not be practical or simple way to show his work. With the application, João could simply create a profile and some work and the link to portfolio to show his work to new clients who need a photography service, so that he can be contacted by them and schedule the service.
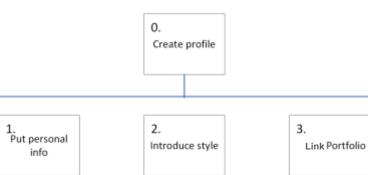
Scenario 2
Photi

- View the work of the photographers in the application and contact them for work:

  - Maria is getting married and with all the preparation of the wedding she has short time to find a photographer for the wedding, needing a fast and simple way to see the work of photographers and be able to contact them. Without the application, Maria would have to go through several agency sites and/or photographer profiles on social networks, which would spend much more time and work. With the application, she would have a place where would have everything together from agencies and solo photographers with their portfolios, where Maria could easily see and decide which photographer is the best for her wedding.
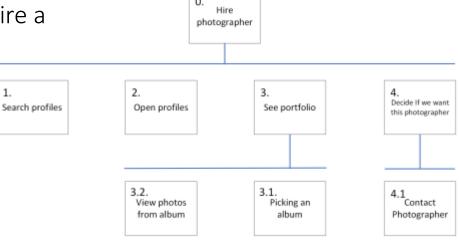
Tasks – Scenario 1
Photi

- Actions: Create a Profile, Chat with clients

- The only problem that can be found is if the persona doesn't have internet or even if they don't have a device to access the internet.

- Through the application it will be easier for a photographer to become independent and be able to have his work exposed to several users.

Tasks – Scenario 2
Photi

- Actions: Search Profiles, View Portfolios, Contact photographers

- The only problem that can be found is if the persona doesn't have internet or even if they don't have a device to access the internet.

- Through the application, it will be easier for anyone who wants to hire a photographer to do so without having to waste much of their time
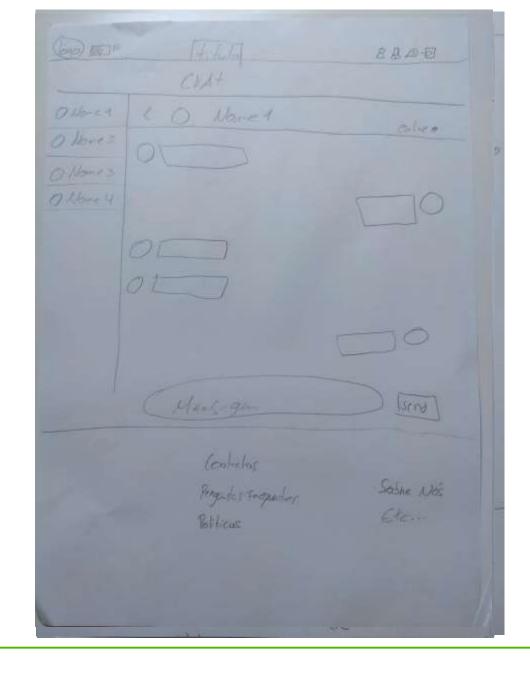
Requirements
Photi

- Requirements: Web

  - Non-functional requirements – Design must be simple, application must work well and be responsive, need documentation.

  - Functional Requirements - Users should be able to rate photographers, clients and photographers should be able to contact each other, users should be able to search for photographers by rating and location, users should be able to see photographer's portfolios

Low Fidelity Prototype (LFP)
Photi

LFP User Evaluation
Photi

- We wanted to Evaluate User Interaction with website and get some feedback

- We used the same personas and scenarios

- 12 Participants

- 3 tasks

LFP User Evaluation
Photi

- Tasks Performed:

  - Task 1 : Choose a photographer with the worst wedding rating in the city of Aveiro, average price and rating between 3 and 4

  - Task 2 : Join the site as a photographer, creating a photographer profile and see the profile

  - Task 3 : You have a new message, go to messages and view the message

LFP User Evaluation
Photi

- Things to Change:

  - Responsive Search

  - When creating profile photographer enter price

  - Change Rating Showdown

Platform Used for the functional prototype
Photi

- We used React and HTML, JS, CSS

- Git Hub to code management & Visual Studio Framework

- We used it because we were familiar with the tools, except react

User Evaluation of the functional prototype

- We wanted to evaluate usability and site impact on User

- Same Personas and Scenarios

- Same tasks of LFP User Evaluation

- 8 participants

- Post Task Questionnaire, Observer Script e Tasks

- Calculate SUS

LFP User Evaluation -
Post Task Questionnaire Results

Questions Participants	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	SUS
1	5	1	5	1	5	1	5	1	5	4	92,5
2	4	1	5	1	5	1	5	1	4	1	95
3	3	1	4	2	4	2	5	2	4	5	70
4	3	2	5	2	5	1	5	2	5	2	85
5	2	1	4	1	4	2	5	3	4	4	70
6	4	2	5	1	5	1	5	2	5	2	90
7	5	1	5	1	4	1	5	1	5	2	95
8	5	1	5	1	5	1	5	2	5	2	95

SUS calculated for the 8 participants

All SUS's>68   Average: 86,56

User Evaluation of the functional prototype

- Changes: move to the left what is used the most

User Evaluation of the functional prototype

- Changes: alignments between columns, more space for the address

User Evaluation of the functional prototype

- Changes: make better use of whitespace, beautify and put predefined filter order
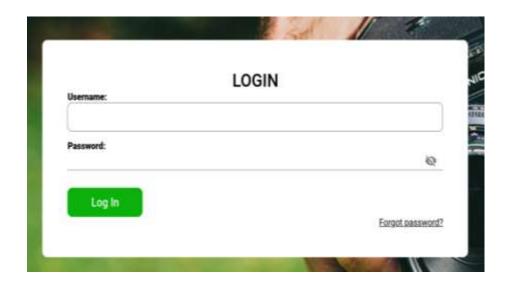
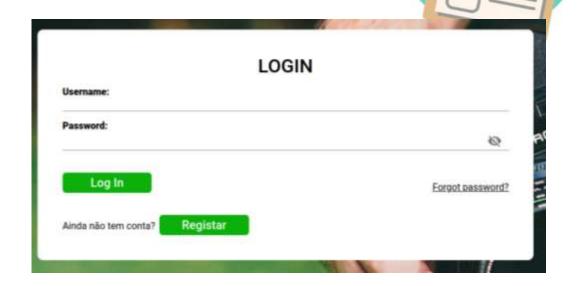# User Evaluation of the functional prototype

- Changes: No register page, send to register from login page
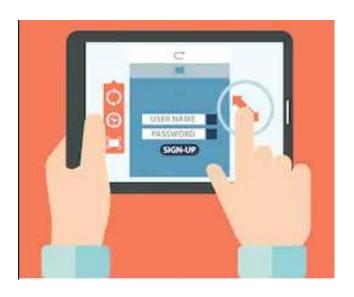

END OF 2nd DEVELOPMENT CYCLE!

Demo
Photi

Future work

- Add More backend : Database to Users, Profiles and Chats

- Talk with some photographers to understand better their needs

- Users could rate photographers

- Add Calendar to search and on profile

Effort of each group member

- Same

Acknowledgments

- Learned new tool (react);

- How to make usability tests and to put Users first;

- Taking care of Design and User Interaction;