

# 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

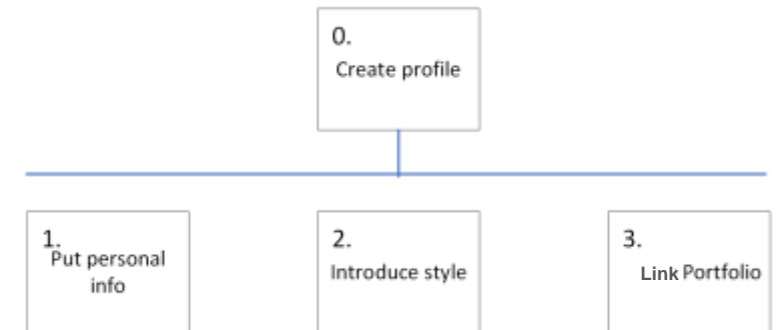
## Photi

- 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.

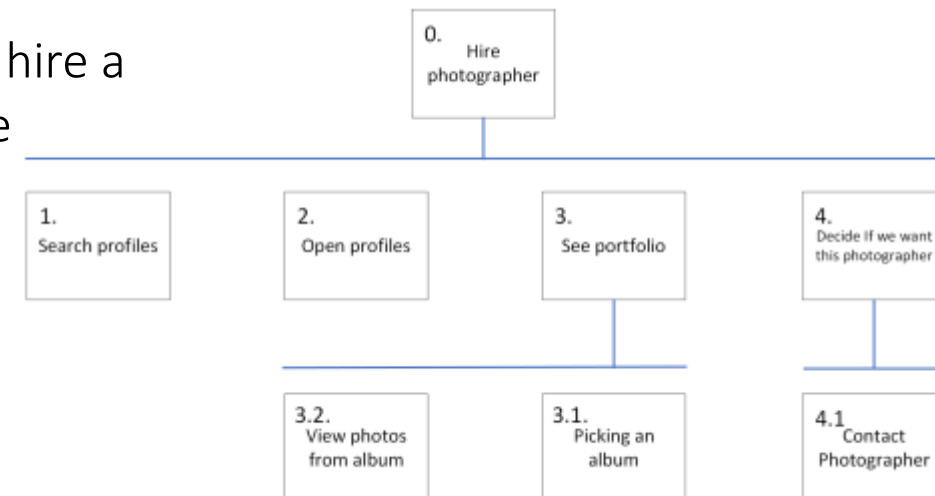




# Tasks – Scenario 2

## 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

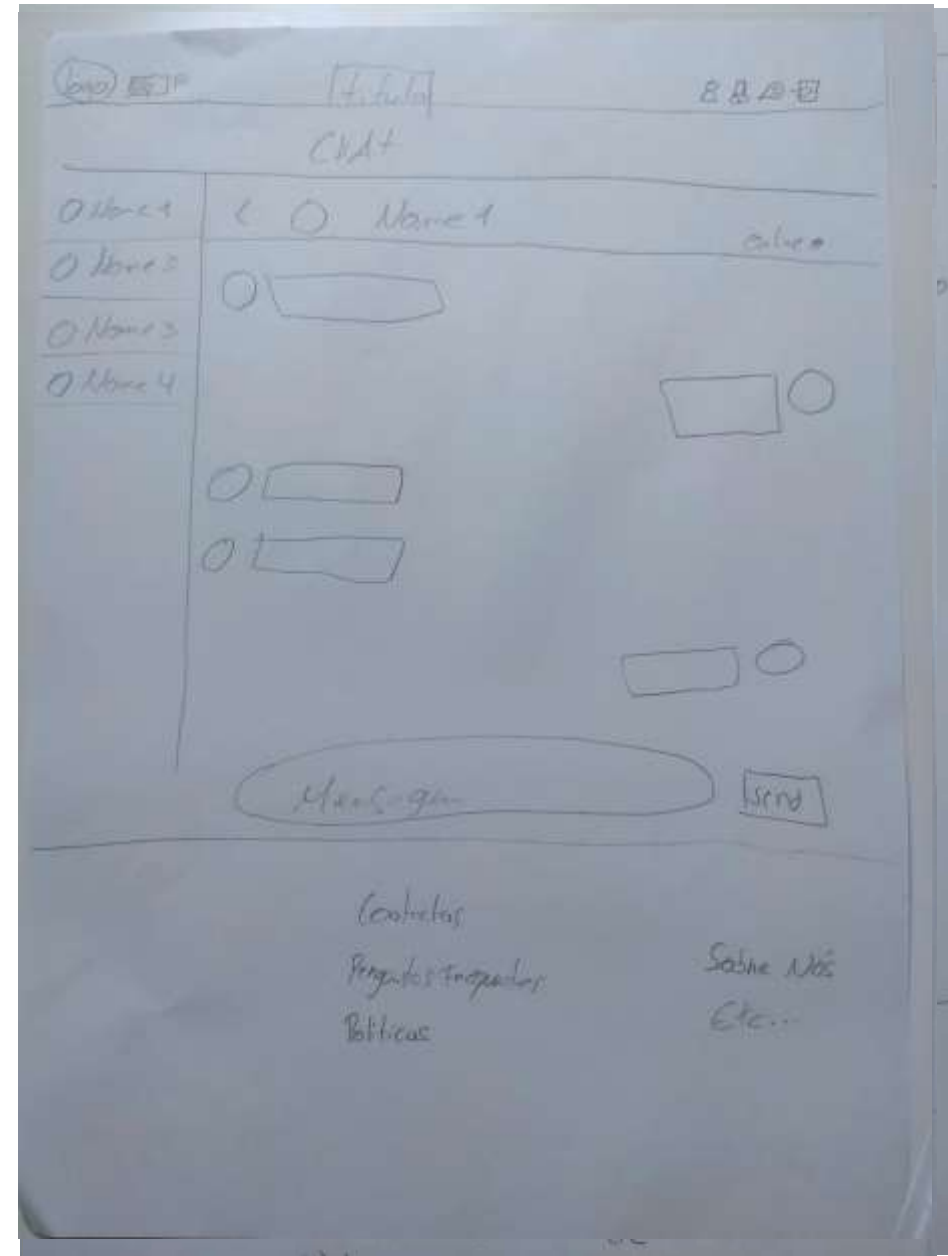
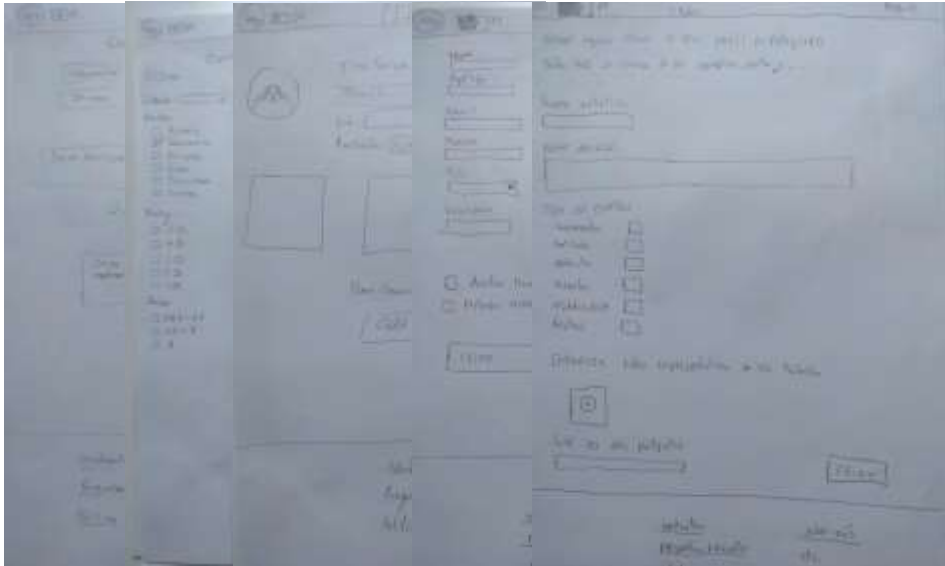
## Photi

- 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

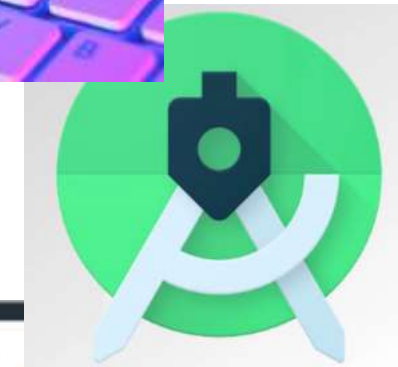
- Things to Change:
  - Responsive Search
  - When creating profile photographer enter price
  - Change Rating Showdown



# 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


Vamos agora criar o seu perfil:

Nome:	Telefone:	Foto de perfil: 
Apelido:	Nº de contribuinte:	
Email:	Código postal:	
Morada:	Password:	
Localidade:	Confirmar Password:	
<input type="checkbox"/> Aceito os termos e condições <input type="checkbox"/> Pretendo receber newsletter.		

[Sign Up](#)

— OU —

Vamos agora criar o seu perfil:

Nome:	Código postal:	Foto de perfil: 
Apelido:	Morada:	
*Exemplo: Nome: João, Apelido: Manuel Correia	Password:	
Telemóvel:	Localidade:	
Nº de contribuinte:	Confirmar Password:	
Email:		

☐ Aceito os termos e condições  
☐ Pretendo receber newsletter.

[Sign Up](#)

Já tem conta? [Login](#)

# User Evaluation of the functional prototype

- Changes: make better use of whitespace, beautify and put predefined filter order



**Filtros:**

**Cidades:**


**Evento:** ☒ Retrato ☒ Casamentos ☐ Batizados ☐ Festas ☐ Publicações ☐ Eventos

**Rating:** ☐ 5★ ☐ 4★ ☐ 3★ ☐ 2★ ☐ 1★


**Preço:** ☐ 000-00 ☐ 00-0 ☐ 0

**Evento: Casamentos**


Ordenar por:



**Joana Pedreiro**  
Design: Moda e Fotografia além de muito pastel.  
Rating: 3★ Preço: \$



**Beatriz Costa**  
Portes por si mas por fotos do meu perfil? Não se assuste!  
Rating: 1★ Preço: \$\$\$-\$\$



**Fábio Coelho**  
Gosto de fazer uma foto simples de uma pessoa feliz.  
Rating: 1★ Preço: \$

**Filtros:**


**Cidades:**

**Eventos:** ☐ Retrato ☒ Casamentos ☐ Batizados ☐ Festas ☐ Publicações ☐ Eventos


**Rating:** ☐ 5★ ☐ 4★ ☐ 3★ ☐ 2★ ☐ 1★

**Preço:** ☐ 000-00 ☐ 00-0 ☐ 0


**Evento: Casamentos**



**Filipe Freixo**  
Gosto de fazer fotos de casamentos, festas e de momentos.  
Rating: 3★ Preço: \$\$\$-\$\$



**Maria Vasconcelos**  
O meu primeiro amor é a fotografia de casamento.  
Rating: 4★ Preço: \$\$\$-\$\$



**Rafael Mendes**  
Adoro a fotografia de uma pessoa feliz que está feliz.  
Rating: 1★ Preço: \$

# User Evaluation of the functional prototype

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

A screenshot of a web form titled "LOGIN". It has a "Username:" label followed by a text input field, and a "Password:" label followed by a text input field with a small eye icon for toggling visibility. Below the password field is a green "Log In" button. At the bottom right, there is a link that says "Forgot password?".A screenshot of the updated web form titled "LOGIN". It has a "Username:" label followed by a text input field, and a "Password:" label followed by a text input field with a small eye icon. Below the password field is a green "Log In" button. At the bottom left, there is a link that says "Ainda não tem conta?". At the bottom right, there is a green "Registrar" button and a link that says "Forgot password?".

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;