

HCI - Assignment n.2

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

Deliverable n. 1: Requirement Analysis

Project Title: MusicHub

Group: Pedro Abreu 93240, Juan Lessa 91359, João Gameiro 93097

Lab Class: P1

Introduction

MusicHub

- Music plays a very important role in people's lives, and it can be though for musicians to share their music.
- Therefore, we aim to create an app the helps musicians share their music and most importantly connect with each other.
- We also intend to help musicians find places to perform which can be a tough task to perform.

Project Objectives

MusicHub

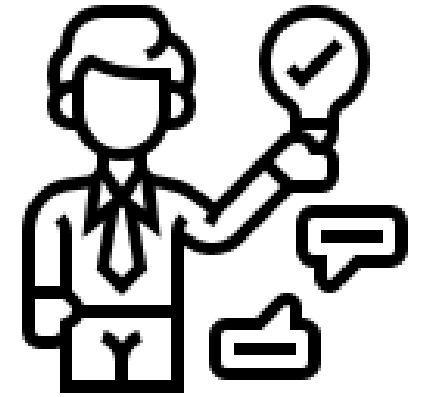
- **High-level goals**
 - Develop a system that allows musicians to interact with each other and share their music with other users.
 - Allow non-musicians to follow closely their favorite bands and artists.
 - Allow musicians and establishment owners to interact with each other.
- **Expected outcome**
 - We aim for a semi-functional application with a minimalist and intuitive interface



Requirements Gathering

MusicHub

- Talking with several friend musicians to find out their opinion about the app and important functionalities they think it should have.
- Analyzing similar applications
- **Similar Applications**
 - Soundcloud
 - Drooble
 - Social Networks
 - Facebook, Instagram, ...



Target Users

MusicHub

- **Musicians**
 - People who wish to share their music and find places to perform and other musicians to interact with
- **Establishment Owners**
 - People who search for artist to perform in their establishments/events.
- **Music Fans**
 - People who wish to follow their favorite artists and discover new music.
 - People who want to discover nearby performances



Persona 1

Persona

Establishment owner

Name, Age, Gender

João Batista, 52 y.o., Male

Job

Bar Manager at Praça do Peixe

Background/ Environment

He wants to have weekly music shows hosted at his bar

Problem

-> He struggles to find musicians/artists to weekly perform in his bar

-> He struggles to exchange contact information with artists

Needs

A system/platform that brings together upcoming musicians and facilitate contact exchange



Persona 2

Persona

Band Leader

Name, Age, Gender

Ana , 26 y.o., Female

Job

Full-time Musician (Singer)

Background/ Environment

Ana's band is going on tour this summer.
They want to find another band to tour with them and open all shows.

Problem

-> Ana doesn't know any musicians in her village

->She doesn't know how to find bands to tour with them

Needs

A way to search and get in touch with other musicians



Persona 3

**Persona
Name, Age, Gender
Job**

Singer beginning of her career
Luiza 19 y.o., Female
Musician

**Background/
Environment**

Luiza is a young singer building her career, she lives in Porto, makes presentations in squares, tourist centers and nearby cities.

Problem

-> Luiza doesn't know owners of establishments interested in hiring artists.

-> Luiza doesn't have an efficient way to share her work

Needs

A way to find and contact owners of commercial establishments, show her performances and schedule presentations

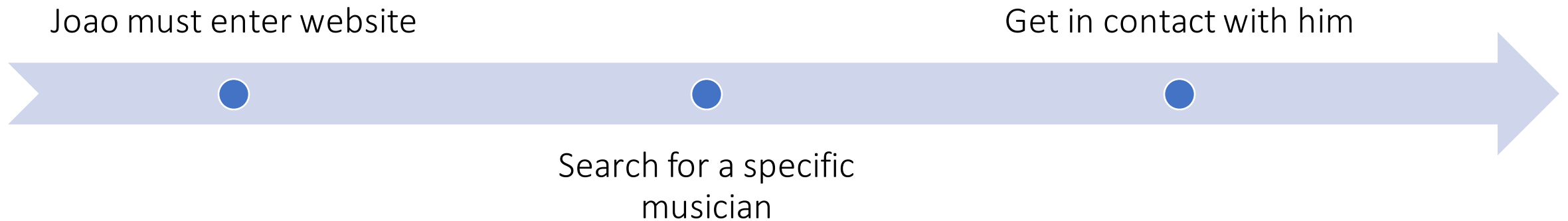


Scenarios

1 Approach an artist to perform on next week

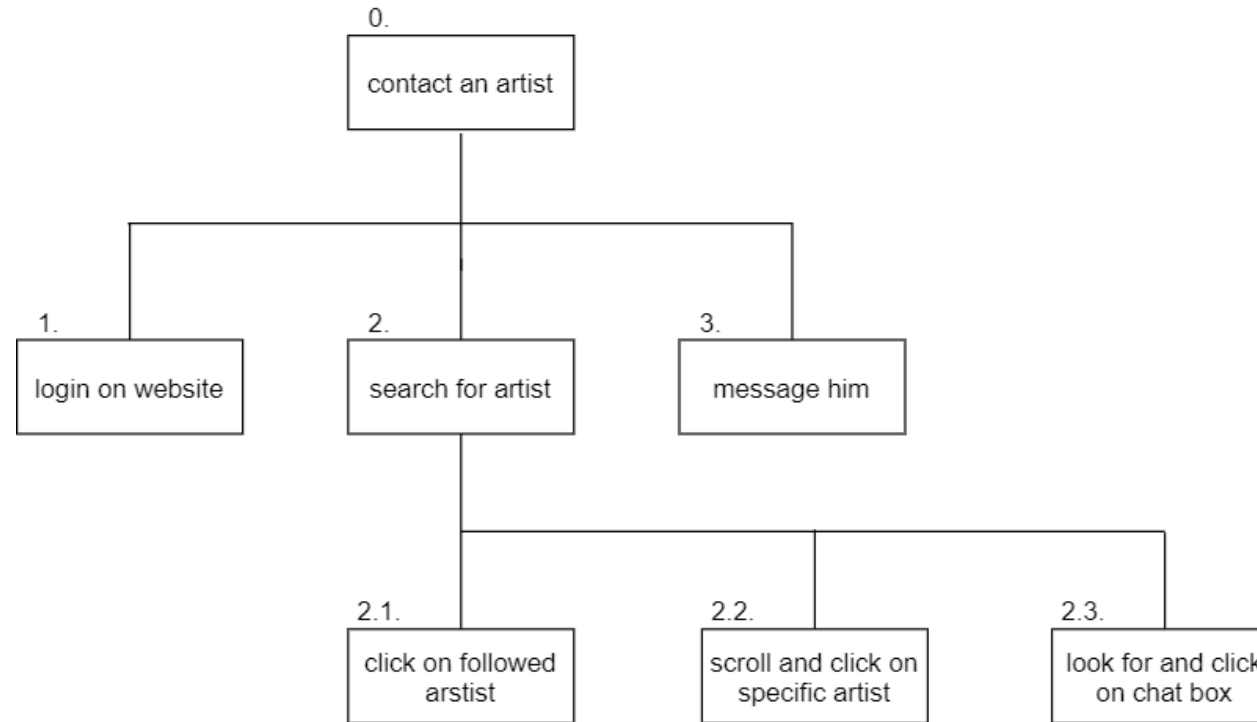
João Batista wants to contact a musician, that as already played in his bar, to perform again next week:

- > Without the platform, he would need to search for old messages (sms, email, etc...) to contact the artist.
- > This way, with few a clicks, he can find past musicians/artists who he was related to



Tasks

1 Approach an artist to perform on next week

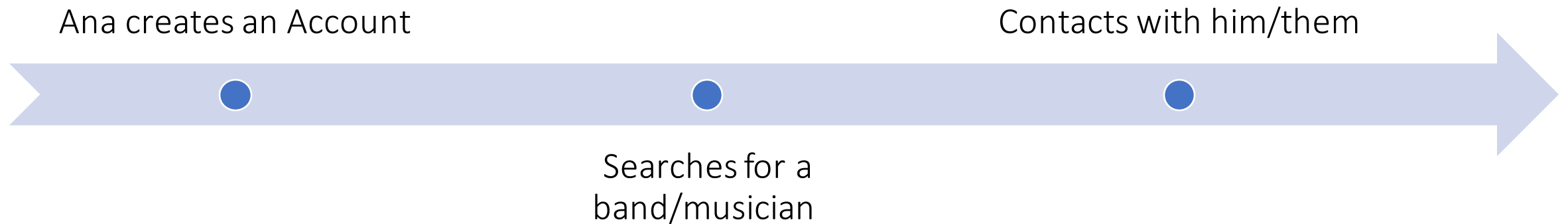


Scenarios

2 Approach a band open tour shows

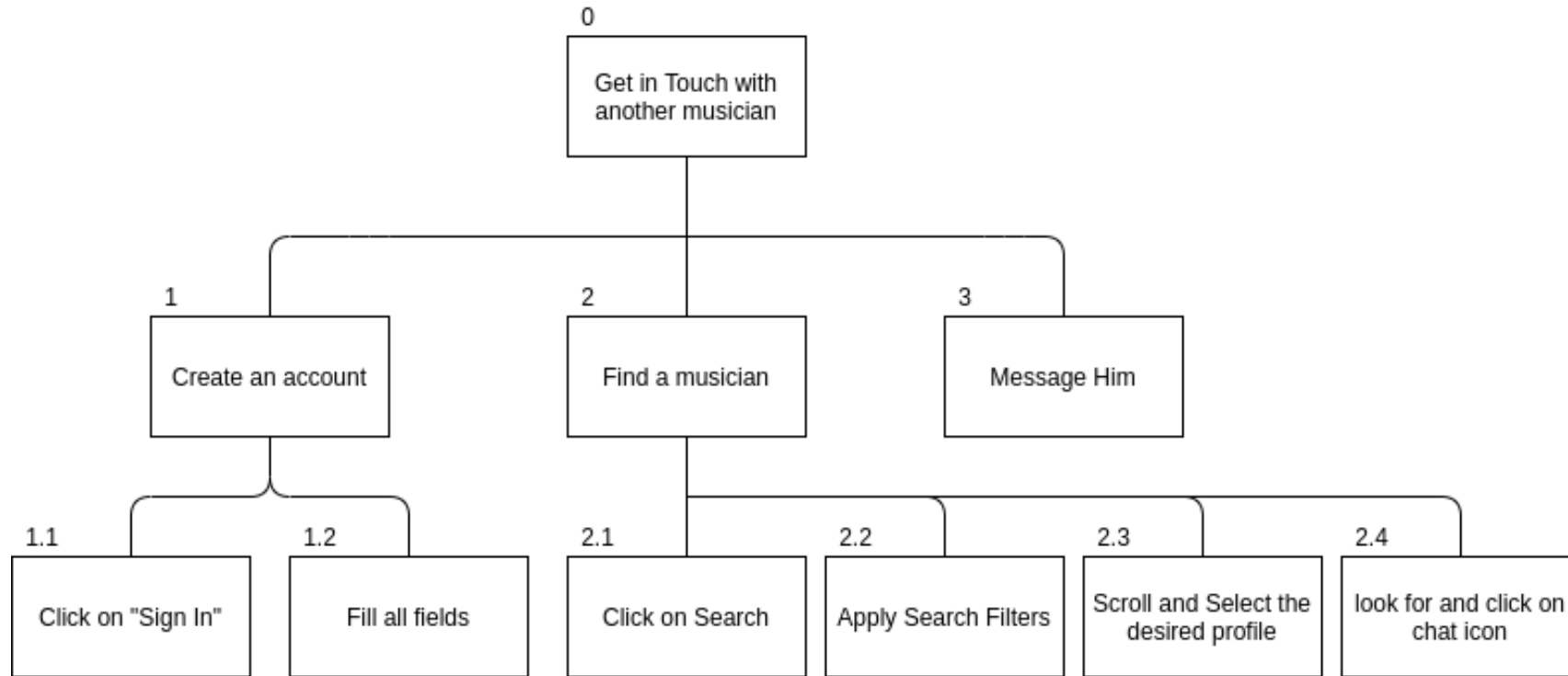
A wishes to find a band to open all the shows of her band's tour.

- Very hard to accomplish without the app because it implies that Ana must already have contact of other musicians or showbiz people.
- With the application, task becomes simpler, and the offer is larger



Tasks

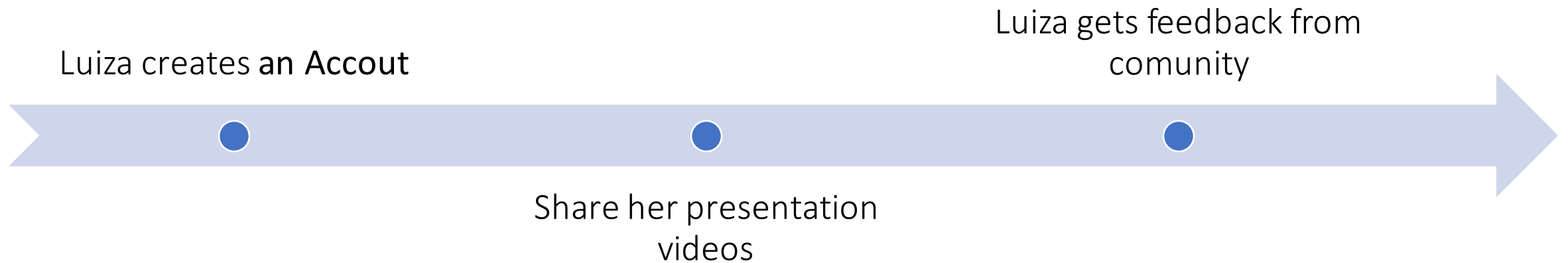
2 Approach a band open tour shows



Scenarios

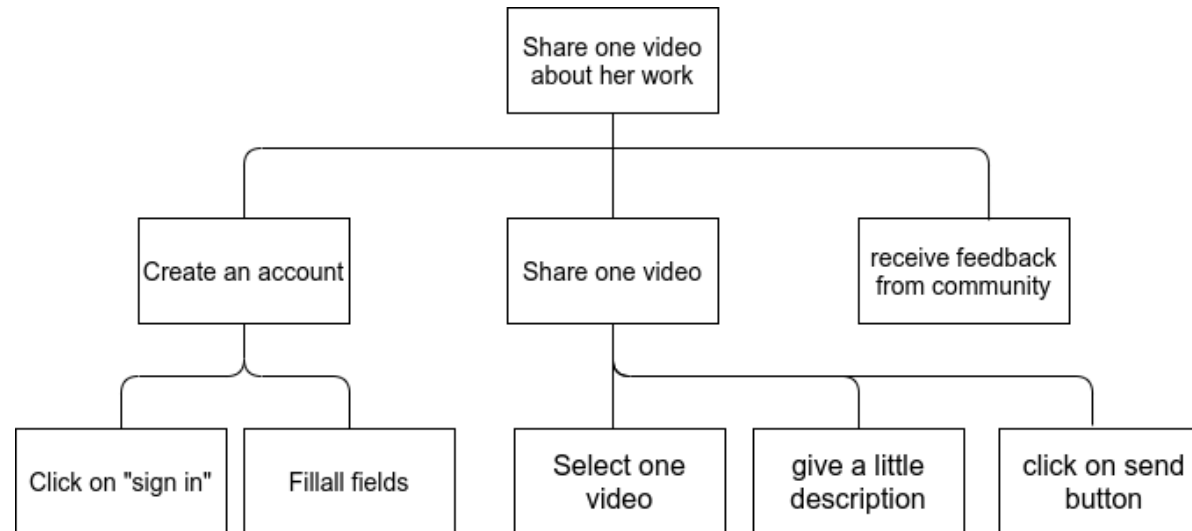
3 publicize presentations

Luiza wants one place to publish videos and audios about her last presentation:
-> This is an essential feature for music-oriented sharing platforms



Tasks

3 publicize presentations



Requirements

MusicHub

- Non-functional requirements
 - Application must be persistent
 - Design must be simplistic and intuitive
 - Persistent and secure database
 - Should have help documentation
- Functional Requirements
 - Musicians and Establishment owners should be able to text each other directly
 - Every user should be able to search for musicians and establishments by location
 - Should be possible to follow musicians, check out their content and the events which they will perform
 - Users should be able to comment on musician's content



Next steps

MusicHub

- We're considering paper prototype or some low fidelity prototyping technology
- By having musicians and "potential" users to try to use the app

