

HCI Proyecto : Perm App Culture : Specification

Alexandre Bonnin - Gerardo Dueñas - Antoine Le Loarer

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**PERM'APP
CULTURE**

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1 Introduction

Before strating the fonctionnality of the app we will need to define some object of our apps :

- **Tutorial** : A tutorial is an collection of pictures or a video with instruction associated to a Plant or a preparation of the grounds or an action on a plant.
- **Article** : An article is a text, which can contain pictures, about subject in relation with the garden or the benefit, default of a plant.
- **Video** : A video must come with a little description.
- **Plant (My garden section)** : A Plant is an Object that contain a Name, the planting date, the age, the type (what it will produce flowers, nothing, vegetables, fruits..., the list of maintenance action done to the plant and a list of maintenance action which come.
- **Plant (Dictionary section)** : A plant is an Article with the picture of the flower and the name. IN the is artcile you must find information abut the plant like where you can plant it, the season when you can grow it.

2 Specifications Functional

2.1 Tutorial

2.1.1 Add the plant to my garden

For a plant tutorial the user can at the end of the tutorial add the plant to his garden.

2.1.2 Read the information

The user can read a tutorial and playing the video it contains.

2.2 Plant

2.2.1 Set a photo for the plant's description

Change the base photo with one from your telephone storage or you camera.

2.2.2 Show information details about a plant

Show to the user information details : Name , age, date of the plantation, photo, action realized, action incoming.

2.2.3 Validate an maintenance action on the plant

In the details of the plant, the user can validate an maintenance action he has done. this action will go from the incoming list to the done list

2.3 My Garden

My garden is the section where the user will store his plant and interact with them.

2.3.1 Consult the list of Plant

The user can show all his plant in the menu

2.3.2 Add a Plant in My Garden

The goal is to add a specific plant to my garden. The plant will be added by a field search and a selection. The default properties of the new plant is a Name, Age and plantation date (the date off aggregation) and an history off action done to the plant null and a list of the future maintenance action for the plant.

2.3.3 Delete a plant in My Garden

Allow the user to delete a plant from his garden.

2.4 What to plant ?

This section will provide a list of plant for the user. Obviously the user can start the culture of this plant now. This list will change in function of the period in the year.

2.4.1 Consult the List of plant

The user can consult the list for all the plant he can culture at this period of the year. He can navigate in this list to find the result he like.

2.4.2 Filter the result List

The user can filter the result with criteria to simplify his research. The criteria will be the following : Comestible, Non-comestible, interior, exterior, pot, ground.

2.4.3 Consult a Plant Information

The user can select one of the plant in the list and see the information. This action will redirect the user to the dictionary page of the plant.

2.5 Dictionary

The dictionary section will be an help for user who search a accurate detail about a plant or a tools.

2.5.1 Search for a words

The user can search the definition of a tool or plant in the dictionary.

2.5.2 Read the definition page

The user can open a definition page and read the content.

2.6 How to begin ?

This is the main section of our app. It will contain theoretical and practical information

2.6.1 Select a type of information

The user can select what type of information he wants to see. The theoretical information can be an article or a video. In the other side practical information can be tutorial, article and video.

2.6.2 Read an Article, Video, Tutorial

The user can read an article, video or tutorial he have find in the section.

3 Specification Non-Functional

3.1 Platform constraints

3.1.1 Smartphone platform

The application must be develop for Android and IOS.

3.2 Reliability

3.2.1 Crash free

The app must not crash.

3.2.2 Garden section error free

The garden section must don't contain any error for user

3.2.3 Error management

An error can occur while accessing to an article but the error message must help the user to find another place to find a similar place.

3.3 Precision of the information

The information of this application must be verified by three different source.

3.4 Aesthetics

All the main theme must be around the green.

3.5 Human Factors

The UI must be user friendly in the navigation and have a good contrast for reading

3.6 Usability

The Ui must be intuitive for the user. The UI must help the user to reach his goals by being as must honest as possible.