Project Description Document (PDD)

Acronyms			
UAB	Universitat Autonoma de Barcelona	SE	Software Engineering
UPF	Universitat Pompeu Fabra		
PA	Property Administrator	NA	Neighbor Association

Revision History			
Version	**Date**	**Comments**	**Autor**
0.1	1-Apt-2019	Initial Draft	ES Team

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1 Introduction

Nowadays, humans live in a hyperconnected and technological world, which is moving very rapidly. Today, you can send messages to people on the other side of the world with a few seconds, you can also have a smart home or even buy things online. Instead, we see that there is no technological help in neighbourhood associations, a place where many problems can arise. For this reason, we want to develop a software for the neighborhood associations and make life easier for both neighbours and property adminisrator.

The app is designed for neighboring communities, organized by a property administrator.

The aim of our project is to design a software with three clear objectives. First, help property administrators to be able to perform their role in a correct and easier way, then enable an effortless communication between property administrators and the communities of neighbours in regards to payments, issues with the building, relationships between the neighbors, meetings, and, finally, improve the communication between neighbours in order to obtain a good performance of the neighbor association.

Figure 1: Project Logo

2   Context

Development of a software is not an easy task. The steps that we will follow to develop the appplication are those marked by the *Software Engineering* subject of the second cource of the Bioinformatics degree.

We will use an agile development method, called SCRUM. The SCRUM method is an incremental and iterative process divided in sprints. In our case, we will have four sprints: the **first sprint**, we will be working on the requirements, functionals and non-functionals, in the **second sprint** we will focus on the actors and use cases, in the **third** we will perform class and sequence diagrams. And finally, the **last sprint** we will test the work done.

3   Description

As we have mentioned, the app is intended for neighbours and property administrators. It is important to take into account that in a NA, there will a president, a neighbour who manages some extra-information and contacts with the property administrator.

Therefore, the application will have different features depending if you register as a neighbour or as a property administrator. Moreover, a person could be in more than one neighbourhood association, for that reason, the user will be able to select one of its NAs. The same happens with the property administrator, which can manage different neighbourhood associations.
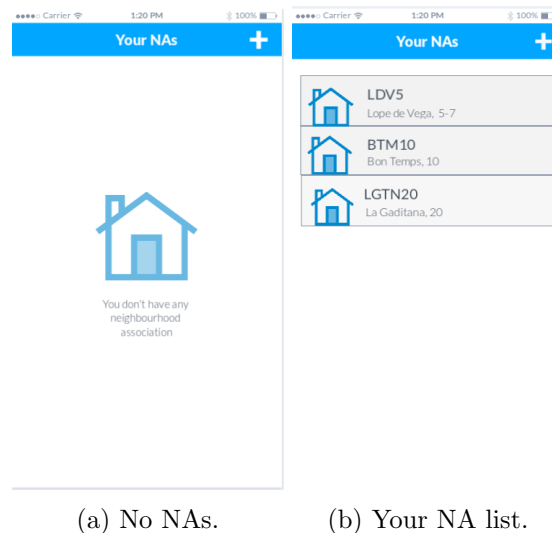

(a) No NAs.   (b) Your NA list.

Figure 2: Prototype NA Addition and Selection

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Regarding the property administrator, it will be able to manage the neighbourhood associations finances, send invoices, send budgets or summon meetings, in which the rest of the neighbours of the community will see in their agenda in the APP, among others.
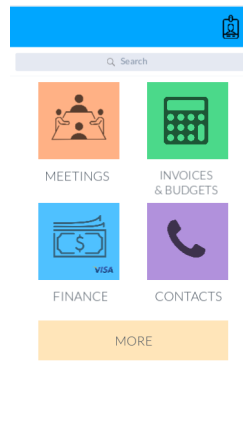

Figure 3: Prototype PA Main Page

On the other hand, a neighbour will be able to use an instant messaging system to communicate with other neighbours, or add incidences, such as, broken glass or robbery. In addition, the neighbour will receive notifications of the incidencies, PA meetings or activities proposed by other neighbours.
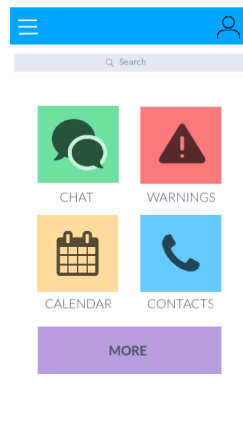

Figure 4: Prototype Neighbour Main Page

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Figure 5: Prototype Meeting Notification

Finally, the president of the community will also play a key role. It will be able to approve invoices or budgets, sign them and also view the bank account.

To sum up, we can say that the software is developed to ensure a good management of the neighbourhood association and its services.