Territorial Unit

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Índex

1. Context ………………………………………………………………………………… 3

2. Objetive ………………………………………………………………………………… 3

2.1 Specific objetive ……….……………………………………………………… 3

3. APT project-competence relationship .……………………………………. 4

4. APT project-professional interests relationship ……………………….. 4

5. Feasibility ……………………………………………………………………………….. 4

5.1 External factors that facilitate its development ..…………………. 5

5.2 External factors that hinder its development ……………………. 5

6. Conclusión ………………………………………………………………………………. 6

Context

Neighborhood associations in Chile play a crucial role in social unification, and therefore face management and communication challenges, due to the limited use of technology in the organization. With this project we seek to solve the problem with a computer system to optimize their processes and improve communication between their members, facilitating the management of activities and communication.

Objective

To develop a solution to improve the management and communication of the territorial unit of a neighborhood association.

Specific:

-Develop an accessible multi-platform system.

-Registration of neighbors for faster management of requests.

-Encourage participation of neighbors in neighborhood council activities.

-Manage activities, a calendar will be implemented with the available schedules of courts, rooms, gym, classes, squares.

-Automate certificate requests, this process will help us reduce time.

-Facilitate communication between members of the neighborhood council and residents

3

APT project relationship with the competencies of the graduate profile

In our neighborhood council project, we managed a solution to the problem related to the four competencies of the graduate profile of a Computational Analyst Programmer student from Duoc UC.

APT project relationship with my professional interests

In order to carry out the APT project, I will use all the knowledge learned during the period of study of my degree at Duoc UC, most of which is directly related to my professional interests. The subjects are: Desktop application development (JAVA), mobile application programming (ionic-angular), database (Oracle SQL), Design and requirements management (Documentation),

Software engineering (Architecture).

Feasibility

In order to carry out our project, we must consider that it is based on having more factors that facilitate our work. In this case, our factors are positive, which helps us to know that we will have a good projection throughout the development, in addition to carrying out the relevant tests to obtain quality software.

4

External factors that facilitate its development:

-Task automation:

-Promotion of participation

-Improves communication and dissemination of news

-Cutting-edge technologies

-Efficient management

-Ease of use and accessibility

-Adaptability and stability

External factors that hinder development

-Regulatory changes

-Technical limitations of users

-Negative feedback from users

The estimated time per semester to complete our project is 3 months and 2 weeks, with 5 hours assigned per week. With this time, it is possible to finish quality software.

To build our application we will use the following materials: Dell Latitude 9520 notebook and Host server for the project.

Methodology

The methodology I will use for this project is agile (scrum). This methodology was chosen due to active feedback from the user and possible changes in components and in the backend.

5

Conclusión

With the development of the planning of this project, we can say that the process of the neighborhood council works well, but it takes longer than expected. To solve this, we achieved the automation of some tasks, using the technologies to carry out this project, in this case a multiplatform web application.

6