

| **1. Informe final Proyecto APT**  **APT Final Project Report** |
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| El objetivo de este informe es que describas los aspectos más relevantes de tu Proyecto APT. Es importante que fundamentes las decisiones que tuviste que tomar a lo largo del proceso.  A continuación, encontrarás distintos campos que deberás completar con la información solicitada, los que dan cuenta del resumen de tu proyecto APT y sus principales resultados.  The objective of this report is to describe the most relevant aspects of your APT Project. It is important to support the decisions that you took throughout this process.  Below, you will find different fields that you must fill in with the requested information, which encompass the summary of your APT project and its main results. |

| Nombre del proyecto  Name of the project | Digitalization and automatization of pharmacy Management. |
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| Área (s) de desempeño(s)  Application areas | Management system of information, software development, administration of the database. |
| Competencias  Competencies | * To build models of date to withstand the requirements of the organization based on a defined and scalable design in time. * To develop the transformation of big volumes of data to obtain information and knowledge of the organization in order to support the decisions taken and the improvement of the business processes according to the needs of the organization. * To implement systematic integral decisions to automate and optimize business processes according to the needs of the organization * To have the capability to create ideas, solutions or innovative processes that could generate answers to opportunities, needs and productive or social demands in collaboration with others and assuming the calculated risks. |

| **Contenidos del informe final** | |
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| 1. Relevancia del proyecto APT | We decided to approach the pharmacies in this project as we have never worked with them and also to get experience on how they work. The relevance that we find is that working with invoices of the enterprise will help us to know how invoices in different enterprises work.  The pharmacy is located in Chile, metropolitan region in the local government of Melipilla Serrano 239.  It is a small pharmacy located next to the Falabella bank.  The main affected on the quandary that we decided to approach are the staff and administrators of this pharmacy.  THe value of our project will improve the management of invoicings as they will be digitalized in a more comfortable way instead of treating them with Excel and paper.  Another aspect would be the ability to have a control over the working hours of each employee without the possibility of adulterating his entry and exit hours or breaks. |
| Objectives | .  General objective: To implement a systematic and integral management for the pharmacy that digiltalizes and automatizes the invoicings register process, schedule management of workers, improving the operative efficiency and reducing the risk of mistakes.  Specific objectives  -To develop a platform that allows the registration and follow-up of invoicings in a digitalized way.  To automatize the control process of assistance of employees including the entry and exit hours.  To create automatic reports that allow to visualize in a clear and efficient way the status of invoicings, payments and operations |
| 3. Metodología | For the execution of this project, SCRUM methodology will be used, which is an approach of hasty work to the management and development of projects. SCRUM consists of short working cycles and interactives called “sprints” during which complete specific tasks are completed as well as the obtention of functional products  Structure of the SCRUM team  Product Owner: It is responsible to define the requirements of the project and to prioritize the tasks in the backlog. Also it is in charge of guaranteeing that the team works in what really contributes value to the business.  Scrum master: It facilitates the SCRUM process, it helps the team on following agile practices, it eliminates obstacles and it ensures that the team can work in an effective way.  Development team: Multifunctional team in charge of doing the development work during the sprint, this includes developers, designers and testers.  Working cycle of SCRUM.   1. Sprint planning, meeting at the beginning of each sprint where the tasks to do are selected from the backlog of the product. The team estimates and plans the tasks for the sprint. 2. Daily Scrum: Daily meeting of 15 minutes where the team checks the progress of the sprint. It also identifies obstacles and it adjusts the working plan depending on what it needs. 3. Sprint review: At the end of each sprint, a check-up is carried out to show the increase of finished product and to receive feedback from the interested ones. 4. Sprint Retrospective: Meeting of retrospection where the team reflects about the finished sprint, it discusses what worked well and what can be improved for future sprints   This approach will allow the development team to quickly adapt to the changes and to ensure that the project of the pharmacy moves forward in an efficient way towards the fulfillment of proposed objectives. |
| 4. Desarrollo | Activities completed   * Creation of the database for invoicing and users (BD) * To create functionalities to register invoicings (backend) * Creation of the disjunct to register invoicings (frontend) * Connection function to register invoicings with the database (BD) * Creation of the login (frontend) * Creation of the login (backend) * Connection of the login with the data base (BD) * Creation of the disjunct of invoicings history (frontend) * Creation of the disjunct of invoicings history (backend) * Creation of functionalities of the dashboards of the invoicings (backend) * Creation of functionality to generate reports in PDF format of the invoicings (backend) * Creation of the disjunct of visualization of dashboards of the invoicings (frontend) * Connection of the dashboard with database (BD) * Creation of functionalities of the disjunct of employees management (backend) * Creation of the disjunct to manage the information of the employees ( frontend) * Creation of function of mail sending for the employees (backend) * Connection of the disjunct of management of the employees with the database (BD) * Creation of functionalities of the website that will store information of the employees (backend) * Creation of the website design that will store the information of the employees (frontend) * Connection of the website with the database (BD   Difficulties and facilitators in the development of the APT Project  Which elements/aspects facilitata or help in the development of the APT project?   * Good communication of the working team * Working times well managed * Availability from both the client and the working team   Which difficulties did you face in the development of the APT project?  -New programming language used and revision of compatible versions with the technologies  Search of the database SQL hosted server  Adjustments completed   * How did you approach the difficulties to fulfill the objectives? Did you have to do any adjustment? which one? * To re-assign tasks for team members to advance in a correct way according to the timeline. * Modification of the function of PDF reading |
| 5. Evidencias  Evidences | Evidence of the project and its development: |
| 6. Intereses y proyecciones profesionales | The professional interests that we have are:   * To offer quality products * The correct management of settings of databases. * The correct management of settings of programming languages (Backend Frontend) * The offering of informatic solutions   The aspects of professional interests that are reflected are the management of databases, programming languages, the offering of informatic solutions and to offer quality products.  Developing this APT project will allow us to have an idea on how to do a project based on current standards, to generate earnings out of our project and it will also allow us to demonstrate our capabilities and skills that we have been obtaining throughout the long road of our academic trip. |