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**Guía1. Definición Proyecto APT**

**Asignatura Capstone**

1. **PART I**

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| **1. Personal Background** |
| A continuación, se presenta una tabla en la que debes completar la información solicitada. |

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| Nombre estudiante | **Mauricio Cabrera, Ariel Roa, Bastian Barrera** |
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| **2. Description of the APT Project** |
| In the description, you should briefly state the name of your APT project and the competencies from your graduation profile that you will put into practice. If your degree defines areas of performance, also mention which areas of performance are linked to the project. |

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| Project Name | *Voting System in Salesforce* |
| Area(s) of Performance | *Software Development and Project Management* |
| Competencies | ***Competencies: ● Ability to design, implement, and maintain software solutions using modern development tools. ● Competence in managing technological projects, including planning, execution, and evaluation of results. ● Skill in identifying and solving technical and organizational problems in business environments.*** |

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| **3. Justification for APT Project** |
| The following are different fields that you need to fill out with the requested information. This section aims for you to describe your project in detail and justify its relevance and appropriateness |

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| Relevance of the APT Project | *The project aims to address the need for an efficient and secure electronic voting system for Non-Governmental Organizations (NGOs) that manage large amounts of data and need to make decisions quickly and effectively. Salesforce offers 10 free monthly licenses to NGOs, making the development of customized solutions on this platform relevant for these organizations. The system will allow NGOs to manage internal votes, such as elections for board members or strategic decisions, in a secure and reliable way, leveraging Salesforce's capabilities to ensure data integrity and facilitate integration with other organizational processes. The problem lies within the global context of NGOs, impacting work teams and committees that require reliable tools for conducting votes and elections, especially in environments where transparency and efficiency are crucial. NGOs often use basic software for their voting systems, thereby missing out on a great opportunity that Salesforce and the voting system we offer can provide.* |
| APT Project Description | *The APT project consists of developing a voting system within Salesforce aimed at all NGOs. This system will allow organizations to conduct their internal votes to make important decisions efficiently and without complications. The key aspect of this is that the voting takes place in real time, as there are often more than five votes that need to be conducted. NGOs typically lack a platform that facilitates the democratic participation of their members, and Salesforce is a suitable tool to optimize and record large-scale processes. The system will be able to manage votes, ensure data integrity, and provide real-time reports, which will make decision-making based on collaboration much easier.* |
| Relevance of the Project to the Graduation Profile | *This project is directly related to the graduation profile by applying key competencies in software development and project management. The ability to design technological solutions and manage their implementation is essential to address the problem at hand. The integration of the system into Salesforce requires advanced handling of the platform, which strengthens the technical competencies of the profile and meets the specific needs of NGOs.* |
| Relation to Professional Interests | *Our professional interests are focused on project management and the implementation of technological solutions that generate a positive social impact. This project will allow us to apply our knowledge in Salesforce and project management to develop a solution that is not only relevant to our career but also to NGOs, aligning our work with our professional values and goals.* |
| Feasibility of the APT Project Development | *The development of the project is feasible within the semester, as the time and hours allocated to the course are sufficient to complete the stages defined by the traditional methodology. The necessary resources include access to Salesforce and project management tools, all of which are available. In the case of data, they will be used as examples and will be created from scratch.* |

1. **PART II**

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| **4. Objectives** |
| In this section, you must define the general and specific objectives of the APT Project. It is important to clarify that the objectives should be stated clearly, concisely, and without further explanations, meaning they should be understandable on their own. It is suggested to write them using an infinitive verb, as this requires specifying concrete actions. |

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| General Objective | *The general objective of the project is to address the need for electronic voting software that allows NGOs to conduct voting securely, efficiently, and quickly within Salesforce. The system will enable NGOs to manage internal voting, such as the election of directors or strategic decisions, in a secure and reliable manner, leveraging Salesforce's capabilities to ensure data integrity and facilitate integration with other organizational processes.* |
| Specific Objectives | * *Integrate a voting functionality in Salesforce* * *Automate the registration of votes and results* * *Ensure the integrity and transparency of the data* * *Provide real-time reports on the conducted votes* |

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| **5. Methodology** |
| In the following section, you should describe the methodology, specific to your discipline, that you will use to address the previously described APT project, including the stages and work methods. |

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| **Methodology Description**  The methodology to be used in this case will be traditional (Waterfall Model), as the requirements for our software are fully defined from the outset. This is ideal for projects where the requirements are stable and not prone to change. Additionally, having a detailed plan from the beginning makes it easier to estimate time and costs accurately, especially in well-defined projects. The sequence of phases in traditional methodologies is clearly defined (requirements, analysis, design, implementation, testing, maintenance), which facilitates project planning and monitoring. |
| *Responsibilities and Functions The responsibilities and functions associated with the development of the group project will be defined as follows:*   * *JP, PG: Mauricio C* * *PG: Ariel R* * *PG: Bastian B*   *This will address the project's development in a clear and precise manner, providing a detailed plan from the beginning.* |

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| **6. Evidence** |
| Next, describe what evidence will be evaluated in the progress report and in the final report of your APT project. This evidence must be agreed upon with your instructor. Evidence refers to the products developed during the project whose purpose is to visualize or document how the work has been implemented. |

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| **Tipo de evidencia**  **(avance o final)** | **Nombre de la evidencia** | **Descripción** | **Justificación** |
|  |  | *Describe las evidencias acordadas con tu docente, siempre teniendo en mente que estas deben dar cuenta del desarrollo de tu Proyecto APT.* |  |
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| **7. Work Plan** |
| In the following table, define the planning of your APT Project according to the requirements. |

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| **Plan de Trabajo Proyecto APT** | | | | | | |
| Competencia o unidades de competencias | Nombre de Actividades/Tareas | Descripción Actividades/Tareas | Recursos | Duración de la actividad | Responsable[[1]](#footnote-1) | Observaciones |
| *Nombra las competencias o unidades de competencias que se relacionan con las diferentes actividades requeridas para el desarrollo de la actividad.* | *Señale el nombre de la tarea o actividad.* | *Describe la tarea o actividad.* | *Nombra los recursos necesarios para llevar a cabo las actividades definidas.* | *Escribe la duración de actividades o tarea.* | *Escribe el nombre del integrante del equipo responsable de la actividad y tareas asociadas.* | *Escribe las dificultades o facilitadores que se podrían presentar durante la ejecución de cada una de las actividades propuestas para llevar a cabo el plan de trabajo.* |
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| **8. Carta Gantt** |
| Find a Gantt chart format that suits you and organize in it the planned activities from the previous point, considering the timeframe assigned for the development of your APT Project. You must maintain the timing of the academic period in the development of the three phases contemplated by the Portfolio course. |

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| **Actividad** | **Fase 1** | | | | **Fase 2** | | | | | | | | | | | | **Fase 3** | | | |
| **S 1** | **S 2** | **S 3** | **S 4** | **S 5** | **S 6** | **S 7** | **S 8** | **S 9** | **S 10** | **S 11** | **S 12** | **S 13** | **S 14** | **S 15** | **S 16** | | **S 17** | **S 18** |
| *Describe actividades del punto anterior* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
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1. En caso de que el Proyecto APT sea grupal, en esta columna deben indicar el nombre de los responsables de cada tarea o actividad. Esto posteriormente permitirá diferenciar la evaluación por cada integrante. [↑](#footnote-ref-1)