**Guía2. Desarrollo Proyecto APT**

**Asignatura Capstone**

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| **1. Resumen avance Proyecto APT** |
| A continuación, encontrarás distintos campos que deberás completar con la información solicitada. |

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| Resumen de avance proyecto APT | At this stage of the sprint, progress has been made in both documentation and software development. in the Registration/Login/Reports/MiPerfil modules has also been implemented the Maps to display the reports. As for the documentation, progress has been made with user stories-mockups-project progress report-MER diagram-among others. Additionally, the project’s progress is monitored through the TRELLO platform. |
| Metodología | This APT project is developed under the agile methodology. |
| Evidencias de avance | Within this evidence of progress will be presented demonstrating how far the project has progressed. Mockups-User stories: These allow to visualize the different interfaces and functionalities of the software. Which have been addressed during this sprint Additional will be attached screen print of the software demonstrating the modules already developed and some of their functionalities. The documents will be attached as an archive. ZIP |

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| **2. Monitoreo del Plan de Trabajo** |
| Examina cuidadosamente tu plan de trabajo, enfocándote especialmente en la columna de estado de avance y ajustes. |

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| Plan de Trabajo | | | | | | | |
| Competencia o unidades de competencias | Actividades | Recursos | Duración de la actividad | Responsable[[1]](#footnote-1) | Observaciones | Estado de avance | Ajustes |
| *-Project Management      -Software Architecture*  *-  G*[athering requirements](https://context.reverso.net/traduccion/ingles-espanol/gathering+requirements)  *-Software Developement*  *-WorkTeams* | *-* *Document the development of the project and upcoming Sprints    -* *Definition of software architecture   -* *Define project scope*  *-REQ FUNC/ NO FUNC    Development Database   -Developing software modules* - *Technology research    -Mockups-User stories/Diagrams* | *-Project management platforms. (Trello)  -Diagrams /Office     -Diagrams /Office -Canva   --Diagrams /Office  -Brainstorming   -* *GITHUB*  *-Development IDE*  *-Development team    -Connect to Internet    --Diagrams /Office* | *- 3 Weeks         - 1 Week      - 1 Week       - 8 Weeks       - 1 Week     -1 Week* | *-Carlos Calderón -Diego Escobar  --Mario Fuentes*  *-Carlos Calderón -Diego Escobar  -Mario Fuentes   -Carlos calderón -Diego Escobar -Mario Fuentes     -Carlos calderón -Diego Escobar       -Carlos Calderón -Diego Escobar  -Mario Fuentes   -Mario Fuentes* | *-Estimated times  - No documentation references      incompatibility of technologies    -Mockups  -User History      -Lack of knowledge   -Difficulties in hosting development in repository  Communication platforms (Teams/Discord)  -Platform for CANVA diagramming* | *--Ongoing*    -Complete  -Complete  Ongoing APT project is currently in a 50% progress state  --Ongoing      -CompletE | *Adjustments have been made to the modules to be addressed in this first instalment due to their complexity. For example, the implementation of machine learning will be addressed in the next SPRINT. In addition, a change was made to our database. Mysql to POSTRESQL due to architecture incompatibility* |

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| **3. Ajustes a partir del monitoreo** |
| Profundiza en las observaciones de tu plan de trabajo. Analiza las actividades planificadas y señala qué aspectos facilitaron u obstaculizaron la ejecución del plan. Plantea cómo abordaste y/o abordarás los obstáculos. Por último, señala los ajustes que realizaste al plan de trabajo a partir de este análisis. |

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| Factors that have facilitated and/or hindered the development of the work plan Among the factors that have facilitated the development of the project are:   Teamwork.  Use of artificial intelligence (ChatGPT).  Background knowledge.  Motivation to achieve the project objectives.  Advice from teachers with experience in project management and software architecture.  Reference videos and support.  Feedback from colleagues and teachers.      On the other hand, we have faced the following difficulties:   Time coordination: To improve organization, we adopted the task-based methodology using the Trello platform, which has been useful for managing teamwork.   Machine Learning Implementation: This is a difficulty that we will address in the next sprint. We plan to hold meetings with machine learning experts and developers who have worked with artificial intelligence to compare images or descriptions.   Notification system: This module could present challenges. We are currently considering integrating Firebase to address this, and are also planning meetings with technology experts for advice.   Software architecture incompatibility: Due to compatibility issues, we had to change the database from MySQL to PostgreSQL, which allowed us to continue the development of the project without major interruptions. |

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| Activities adjusted or eliminated:  No activities have been deleted.  However, in some of them there have been adjustments in timing due to complexity.  Basically some modules of software development have not yet been addressed, such as the implementation of Machine Learning.  It should be noted that we have not had any major adjustments to the work plan since the team currently works collaboratively and following an agile work methodology, relying on task assignment platforms such as TRELLO. |

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| Activities that you have not started or are delayed:  At the moment, the project activities are within those established by the APT project, which is why there are no delayed activities. |

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)