**Guía3. Informe final Proyecto APT**

**Asignatura Capstone**

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| **1. Informe final Proyecto APT** |
| 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. |

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| **Nombre del proyecto** | ***Corporate Travel Management Platform*** |
| **Área (s) de desempeño(s)** | ***Software Development, IT Project Management, BDD, and Information Systems.*** |
| **Competencias** | ***Apply agile methodologies in IT Project Management, Design and Implement Software solutions under MVC architecture, Manage and administer relational databases, Evaluate and validate information systems through testing and quality control, Document and communicate Results in IT Projects.*** |

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| **Contenidos del informe final** | |
| **1. Relevancia del proyecto APT** | *Companies that need to send their employees on business trips face problems such as lack of traceability in requests, high costs, scattered processes, and difficulty in controlling expenses. This project proposes a Corporate Travel Management Platform that centralizes requests, approvals, and reports, providing efficiency, transparency, and cost reduction. Its relevance to the field of Computer Engineering lies in the growing need for systems that digitize administrative and management processes, applying software analysis, development, and integration skills. The project is set in the Chilean context, especially in medium and large companies with high business activity. It impacts employees, managers, and administrative areas, improving their experience and optimizing resources. The value contribution is the optimization of the travel management process, contributing to both financial control and user satisfaction.* |
| **2. Objetivos** | *Develop a web platform for corporate travel management that centralizes requests, approvals, expense control, and report generation, optimizing administrative efficiency and resource utilization.*  ***Analyze*** *the functional and non-functional requirements of the system, considering the needs of different user profiles.*  ***Design*** *the platform architecture, including the web interface, database, and main module structure.*  ***Implement*** *a functional prototype that integrates the travel request, approval, and reporting flow, using current web technologies.*  ***Validate*** *the solution through functional and usability testing to ensure its effectiveness and ease of use.*  ***Document*** *the development process, results obtained, and lessons learned for future system improvements.* |
| **3. Metodología** | *The APT Project will be developed using an agile Kanban methodology, which allows for visual and flexible workflow management, prioritizing tasks and adjusting progress according to the project's needs. This choice responds to the need for clear and adaptable organization within the time available during the semester.* |
| **4. Desarrollo** | *The stages of the work include:*  *1. Requirements gathering: identification of functional and non-functional needs.*  *2. System design: definition of architecture, database, user interface, and module structure.*  *3. Implementation: development of the functional prototype using web technologies and programming tools.*  *4. Testing and validation: review of performance, usability, and fulfillment of objectives.*  *5. Documentation and final delivery: consolidation of the process, results obtained, and proposal for future improvements.*  *Given that the project will be developed individually, all functions, tasks, and responsibilities fall to a single person, who will be in charge of planning, technical development, testing, and documentation.* |
| **5. Evidencias** | *Progress: Backlog / User Stories*  *Documentation of user stories and functional requirements that guide development and reflect an understanding of the problem.*  *Progress: Kanban Board*  *Digital board for task management and workflow tracking, applying agile methodology in all phases.*  *Progress: Architecture and Database Design*  *Architecture diagrams and entity-relationship model that allow the technical structure to be validated before implementation.*  *Final: Functional Prototype*  *Prototype web platform that implements the flow of requests, approvals, and travel reporting, demonstrating technical feasibility.*  *Final: Testing and Validation*  *Test case log and results that ensure compliance with requirements and system usability.*  *Final: Project Documentation*  *Final report that integrates analysis, design, implementation, testing, and conclusions, supporting the entire process and lessons learned.* |
| **6. Intereses y proyecciones profesionales** | *My professional interests focus on web and software development, areas in which I wish to specialize and grow professionally. The APT Project is directly related to these interests, as it involves designing and building a complete web platform, applying technologies, methodologies, and good programming practices. By developing this solution, I can strengthen my technical skills in application analysis, design, and development, as well as gain experience in integrating different modules and managing real requirements. This contributes significantly to my professional development, allowing me to demonstrate my abilities and project myself in the field of software development and digital business transformation.* |