# CS3IP Project Definition Form

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| Student Name/ID: Anibal Rodriguez Bravo de Laguna 200170770 |
| Course: Computer Science |
| Project title: Development of a Provider Website with Database Integration |
| Supervisor: Philip Weber |
| Date: 21/11/23 |
| **Project overview:**  The project addresses the need for an advanced provider website with integrated database functionalities to overcome stock management and order processing. Currently, traditional systems highlight the necessity for a centralized solution.  The proposed website aims to rectify these issues by implementing secure user authentication, efficient stock tracking, and seamless order processing.  Using Python for server-side scripting, the project ensures a responsive web application.  The primary goal is to revolutionize how providers manage stock, and process orders, fostering a more organized, secure, and user-centric approach to their operations. |
| **Project deliverable:**  The core deliverable is a functional provider website with advanced database integration. This tool addresses existing inefficiencies in stock management and order processing by featuring secure user authentication. The project developed using Python, serves as a centralized platform, offering a user-friendly solution to streamline user management, stock tracking, and order fulfilment.  This remedy aims to revolutionize provider operations, offering a practical and organized solution to the identified shortcomings in the current workflow. |
| **What is interesting & useful about this project?**  Users of this tool will gain the ability to achieve a streamlined and error-free workflow in stock management and order processing. Previously, providers grappled with fragmented systems, but now they can enjoy the benefits of a centralized platform.  With secure user authentication, administrators can ensure data integrity and protect sensitive information. The advanced database system enables real-time stock tracking, minimizing the risk of errors.  This tool is especially valuable in its user-centric design, providing a simple and intuitive interface for individuals with varying levels of technical expertise. The project’s practicality lies in its real-world application, offering a remedy to the common challenges faced by providers. Whether managing a small business or a larger enterprise, users can now navigate their daily tasks more efficiently, ultimately saving time and resources. |
| Outline Project Timetable:  -November: design provider website, create wireframes and define key features.  -December: begin development, focusing on core functionalities, drafting report structure  -January: conduct usability testing to gather feedback on the user interface  -February: finalize implementation, focusing on remaining issues or optimizations, writing report  -March: Review and improve the project report’s structure and sentences.  -Complete project report, prepare demo and submit. |