**Resumen**

Este proyecto tiene como objetivo el diseño e implementación de un sistema web para una futura pyme que busca ofrecer servicios de transporte de personal a otras empresas.

Actualmente nuestro cliente se desempeña como chofer para una empresa llamada Juan Herrera que presta esta clase de servicios, es decir, recoger a empleados de otras empresas en puntos definidos y horarios acordados y los lleva a sus lugares de trabajo, repitiendo el mismo proceso para el regreso.

Luego de varios años de servicio, nuestro cliente ha decidido armar su propia flota de vehículos y desempeñarse como independiente. Por lo tanto, nos ha solicitado la creación de un sistema web que pueda reemplazar los procesos manuales que involucran mantener un registro de vehículos, choferes, pasajeros y destinos, así como también, automatizar procesos involucrados con la optimización de rutas, cálculo de consumo de combustible por vehículo y seguimiento de éstos.

Para ello, el desarrollo de este proyecto se realizará utilizando metodología ágil, haciendo énfasis en el desarrollo de un software funcional de manera temprana, entregando valor al cliente por módulos que sean adaptables, flexibles y de mejora continua.

**Abstract**

This Project aims to design and implement a web system for a future “*pyme”* that seeks to offer personnel transportation services to other companies.

Currently, our client works as a driver for a company called *Transportes Juan Herrera* that provides the same type of services, i.e., picking up employees from other companies at defined points and agreed times and taking them to their workplaces, repeating this same process for their return journey.

After several years of service, our client has decided to assemble his own fleet of vehicles and work as an independent contractor. Therefore, he has asked us for the creation of a web-based system that can replace the actual manual processes involved in keeping track of vehicles, drivers, passengers, and destinations, as well as automate processes involved in route optimization, fuel consumption calculation and tracking them.

To accomplish this goal, this project will be developed using agile methodologies, with an emphasis on the early development of functional software, delivering value to the client through modules that are adaptable, flexible, and continuously improved.

**Conclusion**

First and foremost, I hope the project meets the expectations of the client, this first section wasn’t as troublesome as I expected, but it felt kind of difficult to just go head in first and must take these decisions about the management of the project. Because so far, every project in class has been guided like “we want these and those documents filled, in this way”, with this project it’s like our first time taking the full decision in how to approach the project. So far it has been mildly anxiety inducing to be the first time of that in addition to being in a “real” setting. But I think we’ll be able to tackle this project and accomplish a successful project.

**Reflection**

So far, the project has been going well, I think I’ve been able to test my abilities on designing a solution to the proposed problem using software engineering. And the collaborative work has been going well because the proposed workflow that we have accommodates the various skillsets that we all provide to the team. Diego does the directing of the work, Alonzo detects all issues and is always proposing new ideas, and I handle like design problems and so far being like the main dev of the project.