A proposal for the final project of our AP Degree Programe

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# Introduction

“Means SIA”, is a small company, based in Latvia Tukums, that dwells and is thriving to succeed in the computer repair, assembling and sell, markets; which contacted one of your team members, sometime at the end of this summer, in order to ask for the creation of a software solution that would solve their management and organizational problems. Thus, we present you our proposal of a project, that would benefit both the company, by solving their issues and help them grow in the markets they are active in, and us, by giving us a target to aim at, learn and grow by interacting with a real entity and develop a software solution for them.

# Problem Statement

As a new company in the business of retail sale of computers, peripheral units and software in specialized stores, some of the problems they are currently facing are mainly organizational.

Tasks like:

* Managing various stocks (computers, computer parts, etc.)
* Managing sales (including management of invoices)
* Managing suppliers and the items they are providing
* Managing employees and their salaries

This is but a small list of tasks that the company, currently, finds hard to achieve on a regular basis and the current system they have (the classic pen and paper) has proven to have major downsides like:

* Slow input/output capabilities
* Hard to work with
* Ugly hand writing can cause major problems
* No scalability and reusability
* Heavily relining on human memory to remember deadlines

# Objectives

Our main objective, for this project, is to solve or at least remedy their current problems, by providing them with a reliable, scalable and user friendly, software solution.

# Plan of Action

We plan on achieving our objectives, by creating a distributed software solution, using REST-full WebApi as our back-end product, and MVC as our main front-end solution. Depending on the time we are left with, after achieving previous goals, we plan on rolling out several other front-end clients, like dedicated windows app, and android and IOS compatible apps, all in order to facilitate the company's future needs and ease both their employees and the companies' leaders, work. We also plan on comparing sales figures pre-software launch and with the help of the company give post launch numbers to further investigate future problem areas and improve their ROI.

# Return of Investment

The online computer retail company Means currently has a 20 - 30k Euro monthly income, although they don’t expect any increase in revenue, they do expect a reduction of time in relation to their daily tasks.

As the application is custom made for Means, we first need to fully understand where the bottleneck is, from our preliminary investigation we found out that the company is having problems with tracking their products and tasks. As reported, they want a better understanding of their current inventory (information such as what are the most popular items, what is in stock, etc.) The app would also create a better link to the customer and the product.

Means expects this application to reduce the number of employees needed for a given task and minimize the possibility of human error which is currently a big issue.

# Conclusion

As the company plans on starting to use this software solution at the beginning of the year, we are happy to take on this challenge, and try and succeed in achieving both their functional and non-functional goals.

# References

For more information about the company, please access the following link: https://www.1188.lv/en/catalog/computers-1453/means-480270