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# **GENERAL INFORMATIONS**

Online shopping is a practice more and more popular in the modern world because of commodity, variety and less time consuming. A process that some time ago took over an hour now can take only a few minutes behind a computer that is connected to the internet.

In this document will be presented all the advantages and disadvantages of this modern shopping way and also the steps to create and use an online shop.

**Chapter 1 – Introduction.** This chapter will describe in short words what you are going to find in this document, how it works and what should be done.

**Chapter 2 – Detailed informatios**. Here will be presented the positive and negative aspects of online shopping. Also, in this chapter will be presented many other technical details like payment options, development recommendations, economy tips and tricks, SEO and many others.

**Chapter 3 – Used technologies**. The example application uses multiple different languages and technologies. Here each technology will be described and explains why it was chosen for this project and how it helped the development.

**Chapter 4 – Implementation of the application.** Describes how the technologies were used, all the back logic and implementation tips and tricks.

**Chapter 5 – Application specifications and features.** In this chapter you will find explanations about how the application works, how to manipulate the data and how to use the application at a 100% efficiency.

**Chapter 6 – Conclusions.** This is my personal opinion about the application and the possibility to be develop new features.

# **CHAPTER 1 - INTRODUCTION**

Is a known fact that we live in the speed century, accessing information was never easier and faster and this is essential. Right now, the fastest communication way is the internet, accessed by computer, phone, tablet and any other device that have a valid connection. Everything is digital now, no matter the domain or the activity. Almost everyone uses a computer and somehow it depends on it.

If we try to see the evolution of the world from the point when the computer was created until now, we can observe that the technology is growing exponential and the end user have more and more access to information. Also the technology helps them to easy reach objectives that in the past were very hard to be accomplished.

The paper was changed with digital storage which is much safer, the mathematical effort was replaced with great computing skills of a computer which are much faster than a normal human mind and the time spent by walking to a physical shop was replaced with a few minutes spent behind a computer and a minimal effort to move and click a mouse.

## **Project subject**

When personal computers appeared on market it costs a fortune and there were not so many alternatives. Today everybody have at least one computing system and it may be a computer, a phone, a tablet or other gadget. They come in all sizes and shapes. We have phones just as powerful as computers and computers that are over twenty years old and are still doing their job. Every company uses a computing device for different tasks such as security, customer interaction, data storage.

In present, any company uses a computer that have installed different software applications useful for its business. These software applications helps the administrators and users to save time, and when time means money, that’s a lot. Also, a computer is a modern way to store and search for needed data. The data acquired in 50 years can be easily stored on a 2.5” hard drive or a tiny memory card.

My application represent an ideal solution of a modern shopping style: an online shop. In this way an user can order anything in less than five minutes using only a few mouse clicks and the administrator can easily track the orders, check the stocks and update the prices and availability status of any product.

It is structured for three kind of users:

* *Administrator* – Has full control over website and can access all the pages, some of them inaccessible to the rest of the users.
* *Anonymous user* – Is an user that doesn’t have a registered account on the website. He has the most limited access to the features.
* *Registered user* – Is an user with more access than an anonymous one. All of his history and data are stored in local database and can be read when needed.

Every user have different privileges and each user can change only the data assigned to it. This mean that a person can only update his profile, not any profile. All the information is confident and the data can’t be accessed by anybody. The administrator is the only person that can access users data.

The application is very useful for shoppers, they can find a large diversity of products and easily search what they want. Also, the shop administrators can easily manage the orders, receive the payments and check the stocks. In this way both kind of users save lot of time and are not limited by time, online shops being opened all the time and not only for a limited time a day.

# **CHAPTER 2 - USED TECHNOLOGIES**