

# Interactive Learning Website

## **An SRS Document**

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Submitted on:

December 18, 2021

## Introduction

### 1.1 Purpose, Intended Audience, Intended Use

The purpose of this document is to present in detail the Informative Website about Computers or as I would like to name it, the Interactive Learning Website. To be presented here are the purpose of the site, it's requirements and features as well as it's dependencies and limitations. This document will be accessible to the stakeholders of the site, to the sales and marketing teams of every company involved, and to all the developers, testers, and programmers of the said project. This document may be used as the basis of the project that will provide all necessary information needed and as a guide in creating the project – in making sure the requirements are fulfilled and the overall specifications are followed.

### 1.2 Scope

Since the project is an informative website about computers that includes accessing lessons and a forum where users can interact with each other, the goal of this website is to provide information on what users intend to know by coming to the site. As an additional feature to the learning process, they can also read posts and comments of other users regarding the topics they are interested on, through a forum. With this, the user interaction shall be smooth as possible to provide the best experience to the users. To create a suitable learning environment, the website will focus on having minimalist features that only delve on the site's main objective – to provide information, and interaction through forum. This will be beneficial to our business goals as the site will be straight-forward and easy to manage, thus easy to consume and promote in the market.

### 1.3 Definitions

In this section, the different terms, with their appropriate definitions, that will be used throughout the document will be presented.

Term	Definition
1. Developer	Person in charge of designing and developing a website

2. Personality (of the website)	The overall vibe of the site that can be seen through use of language and design
3. Primary User	Main users of the site (those who will regularly visit the site)
4. Programmer	Person who codes web pages of the website
5. Secondary User	Not main users of the site
6. Stakeholder	A person who is not a developer, that is interested in the project
7. User	Anyone who uses and experiences the website
8. User - Interaction	How the users navigate through the website
9. User Needs	Services that the user needs from the website

## Overall Description

### 2.1 User Needs

The website will be available in the world wide web and so it is easily accessible by everyone. However, to get to the website, one must search for the information that are found in the website. Therefore, the primary users of this website are the ones looking for information about computers. In the website, 5 lessons (as of now) are available and each lesson presents a different concept about computers. People who are interested about them, learning about them, or seeking for answers to questions regarding about them will be the target users of this product. An example search that would lead one to the site would be, "what are the parts of a computer?". Since in the site, that question is presented in one of the lessons, the website might be a good resource for that inquiry. The people who will make these kinds of inquiries will be mostly students, and professionals (e.g., Teachers) especially those in computer related fields.

Figure 1 shows a diagram of the Use Case for User.

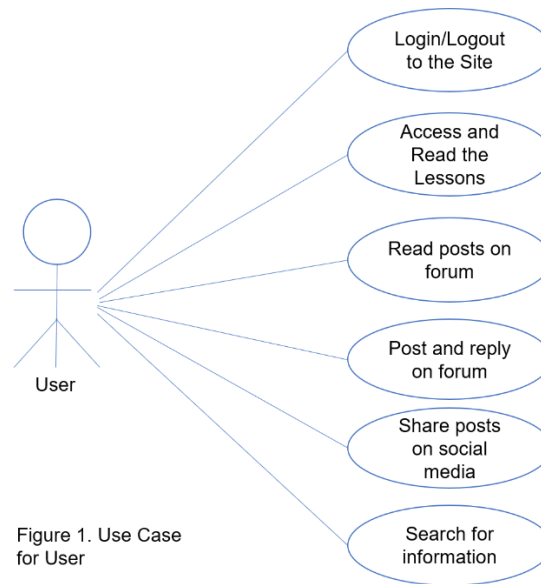


Figure 1. Use Case for User

As the primary users, they will be using and experiencing the site mostly. Their basic user needs would include being able to login and logout to their accounts, access the lessons, read, post and reply on forums, and search for information. Because of that, they need to be able to navigate on the website with ease and without a lot of disturbance. Since the goal of the primary users is to gather information they need, the site needs to help them achieve that goal. And for that, the site must not only be informative but must include features that will easily help them obtain information, for example, a search bar, and must be designed in a way that it focuses on the main objective, for example, only including necessary controls and sections and not too much of additional commands.

For the non-primary users, or the secondary users, they will be anyone who will not necessarily stay on the site and should leave with something in hand. They can just be users who came across the site and may have caught interest in something that entails them to stay. They still need the basic functions that primary users need but unlike them who has a main objective, secondary users need mostly of something to entertain them to keep them engaged to the site. With this, additional features aside from the lessons and forum can be added. For example, a feature that allows them to 'share' posts from the forum as it may encourage them to keep coming back to the site or a gallery of computer-related information as pictures are easy to the eyes and engaging. To achieve this, the site must be designed in a way that it is encouraging to the users, having a more friendly 'personality' and a little less robotic.

## 2.2 Dependencies and limitations

The website is located in the Internet, and because of that there are potentials of causing harm and disturbances to the users and to the site. These include the presence of ads, cookies, malicious files, data breaches and even hacks. Other factors that can cause discomfort to users are dishonest users who will make use of the site in a bad way especially that there is a forum. Considering all these, there is no guarantee that the user experience will be pleasant and safe all the time. But there are things that the site can do to prevent these from happening.

To keep the website secure and protected, we can install security plugins into the site. These security plugins can actively prevent hack attempts. It is also important to keep the site updated by making sure all plugins, and scripts in the site are up-to-date. This will strengthen the site's security. And lastly, because the site involves a database with all the accounts of the users, data breach is highly possible. To help prevent this, the site will help users in making sure their passwords are strong by setting conditions. And as cure, the site can have automatic back-ups so that if something happens, data can be easily restored.

Because the site is open-source, it's code can easily be accessible to anyone resulting to malicious users tampering on it. We cannot control every user on the internet therefore that's one of the setbacks of the website. With this, the safety of the website will be heavily dependent on the security preventions that were installed on it, and to the users using it. Additionally, the developers of the site are also checking on it regularly.

## **System Features and Requirements**

There are functional requirements that is needed in the website to enable the users to accomplish their tasks. Listed below are the following requirements:

1. The system allows user to login and logout from the site.
2. The system checks the database for validation of account.
3. The system allows user to create an account and register into the site.
4. The website allows the lessons to be accessible by the users.
5. The website allows users to post and reply on forum

6. The website has search feature that allows users to search information that can be found across the available lessons in the site
7. The website allows posts on forums to be shared in social media accounts
8. The system shows notifications on the site when the user is mentioned in the forum.
9. A gallery of computer-related pictures is present.

For the non-functional requirements, here are the following requirements:

1. The system must allow multiple users to be active on the site, able to reply and posts comments on the forum, simultaneously.
2. The forum must be updated within seconds of last edit.
3. The search feature must capture all the information in the website pages and deliver accurate results
4. The website must not lag.
5. The system must automatically log off the user if they had been inactive for more than 5 minutes.
6. The system must be protected from malicious attacks and activities in the internet.
7. The system must be secure.
8. The system must be updated.

## References

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