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Cairo University

Faculty of Computers and Information

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**Software Engineering – 1**

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**CS251: Phase 1 – SRS Document**

**Project name:** “Easily Buy, Sell, Exchange Products”

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**Contents**

Team ……………………………………………………………… 1

Document Purpose and Audience ………………….. 2

Introduction ……………………………………………….….. 3

Software Purpose …………………………………………… 3

Software Scope ………………………………………………. 3

Definitions, acronyms, and abbreviations ……….. 4

Requirements …………………………………………………. 4

Functional Requirements ……………………………….. 4

Non Functional Requirements ………………………… 5

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**Document Purpose and Audience:**

This document aims to provide the features, requirements and specifications of a new (website/app) for online shopping that makes it easier for individuals to buy, sell and exchange products in an efficient and secure way, regardless of where they live as long as it’s inside Great Cairo.

All the user will have to do is create an account that contains their basic information along with their credit/debit card number. After that, they’ll be able to log in to the (website/app) and perform actions like browsing, searching, buying, selling and exchanging products as long as their information is legit and their credit/debit card number is validated and approved by bank.

**Audience:**

This (website/app) has no specific audience as it can be used by any person that would like to do online shopping, as long as they have a valid credit/debit card.

**Project Success:**

Project success will be measured most importantly by its users’ feedback as we will receive users’ feedback daily and so we can track any potential problems and fix them.

* **Introduction:**

- This document states the different project phases and their details.

- Project is 3 phases: Requirements, Design, and implementation and testing.

* **Software Purpose**

This software was implemented to help many people buy, sell or exchange things easily without any need to make advertising in a journal or media, etc… You can also use it to search for any item you’re interested to buy or exchange. You can easily sell any item also such as clothes, accessories, or appliances by giving description for this item. You can easily download this application through play store and enjoy shopping online.

* **Scope of the Software**

Anyone can download this application. It has many helpful and useful features. First, by creating an account with your e-mail or Facebook, you can manage your lists of ads if you want to sell an item and if you wanted to buy or exchange an item, you can search according to the category of that item and you can show its details to see whether you really want to buy it or not. The same thing happens when you want to sell an item (writing description needed in a certain form) according to its related category. Another feature you can find in this application is that you can chat with the seller/buyer if you both wanted to share different offers or wanted to exchange things.

**Definitions, acronyms, and abbreviations:**

|  |  |
| --- | --- |
| **Barter system** | Directly exchange product or item with the other on condition of having the same price |
| **HSSbI** | History of sold and bought items |
| **Apps** | Applications on a store such as Google Play for Android or App Store for IOS |
| **FAQ** | Frequently asked questions |

# Requirements:

## Functional Requirements

This system has 2 main actors, buyer and seller. The common functions for both users like creating new account by providing information such as email, credit card number, username and password.

* For seller, s/he chooses the category which the product belongs to like appliance, mobiles, jobs, furniture, etc… then makes a post for this product by adding some information related to it like its title, description, price, model and image of it. If the product is not included in the provided categories this product will be added to category called “other”.
* For buyer, s/he enters the category which s/he wants product from it like appliance category and can enter subcategory like stoves. Then, the system should display all results related to it as a summary of the product then the user presses “more details” button to show the rest of the details.
* If the buyer decides to buy a certain product, s/he can press button “buy”. The processes depending on this action the seller will be added to the buyer list and the message will be sent to the seller to inform them the certain buyer who will buy their product. The buyer balance will then be decreased by the price of the product.
* The system has a feature of exchanging products. Each user has an exchange list of the products he wants to exchange. If another user is interested in a product in this list, they can exchange it but the price should be equal.
* The system prevents any spam advertisement or posts.
* **Non-Functional Requirements**

## Usability:

* **Simple to search:** it’s easy to search for any product that the user wants to buy or read about it, just all you need is to write the product name.
* **Easy to buy:** just the user clicks on the item he wants and buys it by their credit card or by phone.
* **Easy to sell:** just the user fills his information and details about the product he wants to sell and the money goes to his account.
* The results of the search should be less than one equals 100 milliseconds.

## Implementation:

* The program must be implemented in java.

## Security:

* The web/mobile application supports security of any user, it secures the passwords and account of all of them.
* The system should check the user name and password for any user before buying or selling any item and all data about products and users’ information should be stored in database.