***Web Programming Project***:

Requirements Document (Final version)

Project: Souq website.

Date(s): 21/11/2018 – 31/12/2018

Prepared by:

Ahmed Ashraf Hamza 20166001

Mohamed Hatem 20156013

Ahmed Osama Gomaa 20156017

Ahmed Ali Naga 20156026

1. Description of the Project

We are going to develop a website so users can buy/sell goods, view goods, communicate with other users and interact with posts (make new post, like,

comment, show or edit).

Chat might be implemented at some point in the program.

2. Scope of the Project

We are going to develop a website that will act as a platform for users to buy & sell items, view the item (ex: item description, picture of item, available stock and reviews), communicate with other users, interact with listed item (ex: favorite, review and edit),

Users will be limited to ages over 21 because(Visa & SSN Required).

Website will primarily consist of adding searching functionality to the Website.

Website will not add new static content to the existing website but will add a new item to the main navigation.

Website will not support older devices that can not render XHTML.

3. Timeline and Methodology

| **Date** | **Milestone**  **(MS)** | **Goal** | **Depends on** | **Req. Resources/People** | **Outcome** |
| --- | --- | --- | --- | --- | --- |
| 26/11 | 1 | SRS document | Project requirement description | (AAAM Team) | SRS document |
| 10/12 | 2 | SDS document | SRS document | (AAAM Team) | SDS document |
| 31/12 | 3 | Implementation& Testing  Delivery | MS 1, 2 | (AAAM Team) | Runnable website |

4. Project Stakeholder Scenarios

*Users*

“Any normal user who is 21 years old and possess a visa, can buy or sell items and can chat with item poster”

*Administrator*

“An admin can filter any illegal/restricted items posted on the website”.

5. Project Functions

Stakeholders will be able to use the website to search for products.

They will be able to easily search the catalog through an easy to use and attractive website.

6. General Constraints and Restrictions

*Device Restrictions*

* Screen size: Due to the varying number of screen sizes, pages will have to be designed to accommodate larger screen of browser etc. as well as small screens.
* Will not support any mobile devices.

7. Assumptions and Dependencies

*Assumptions*

Project will be delivered over the Internet and hosted on OSUL servers. We assume (AAAM) team will help in testing and will have time to work on the project. We assume database is global but it is local.

*Dependencies*

The project is dependent on the (AAAM) team’s time, abilities, skills and experiences. It is dependent on the content explained in lectures and labs.

8. Project Requirements

8.1 Functional Requirements

8.1.1 - User can sign-in into website using information (Name, Email (must be unique), Password and Photo.

8.1.2 - User can log-in into the website using his email & password.

8.1.3 - User can edit his account information (name, password and photo).

8.1.4 - User can show list of users liked posts.

8.1.5 - User can post a product (name & description).

8.1.6 - when post is clicked: user can like & start conversation with post owner.

8.1.7 - User can show list of posts.

8.2 Non-Functional Requirements

8.2.1 - Availability: Website must be available 24/7.

8.2.2 - Portability: Website can be run by any browser and on any device.

8.2.3 - Usability: Website should be self-explained and build related navigation system for the website.

8.2.4 - Performance: each page should be loaded within 0.3 sec.

8.2.5 - Integrity: Website integrates with MySQL database.

8.2.6 - Security: The login is done with email and password and there is encryption for the connection between DB and Website.

8.2.7 - Maintainability: easy to (modify/fix faults of) website because it is a dynamic website and written in PHP.

*Code*

* Code shall be valid HTML, CSS, JS, PHP and MySQL.
* Code shall be re-usable, well commented, compatible and extendable.

8.3 User Interface Requirements

1. Conciseness

Do not require user to scroll on navigation pages. Chunk information into sections.

1. Descriptive Icons

Assign each navigation link an icon. Use icon as a preview of content.

1. Home and Parent Link

Include Home link on each page.

1. Footer information

Information about us.

1. Layout

Layout should be consistent with website.

1. Screen Sizes

Design should work for all sizes.

9. High-Level Technology Architecture

* PHP: apache Framework.
* HTML.
* CSS.
* JavaScript.
* MySQL.

10. Maintenance and Support

* Server admin will support server and Internet connection.
* Programmer shall support code and upgrades.
* (AAAM) Team shall support testing.