



Al Hussein Technical University

A Technical Analysis Report for

MySouq
Flask-Based Web Application for Marketplace

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Introduction

Thesis Statement

The purpose of this project is to create an easy to use platform to buy and sell new and used items online for everyone.

Scope

This web application will be available online using the Internet. It can be accessed using any web browser. Not yet completely mobile friendly.

Methodology

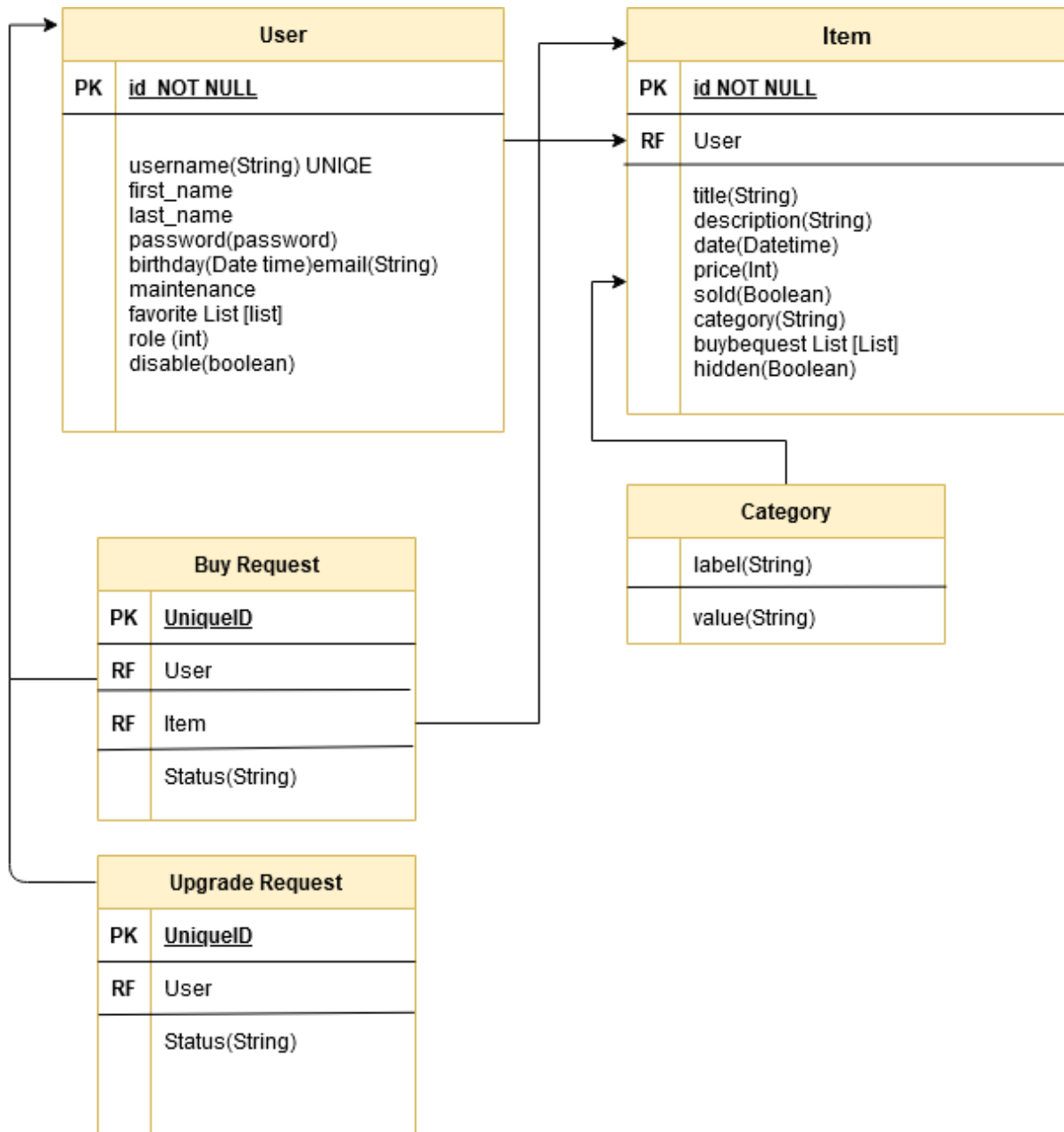
For the front-end I used HTML, CSS, Bootstrap and other online resources making the user interface as simple and clear as possible.

For the back-end I used Flask for Python, Jinja and other tools mentioned in the requirements file in order for the app to work.

As for the database I used MongoDB.

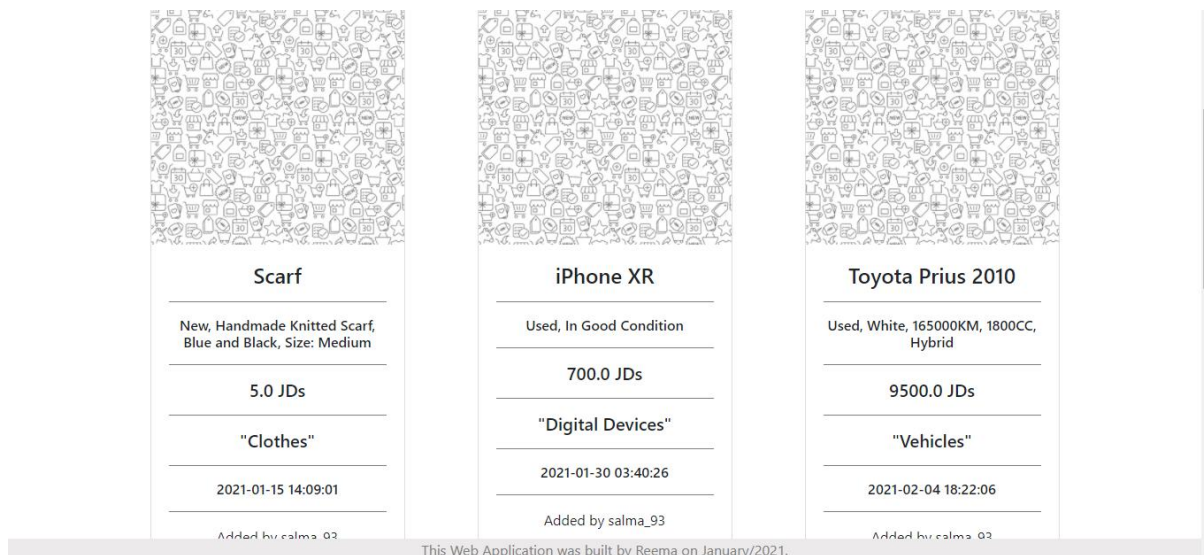
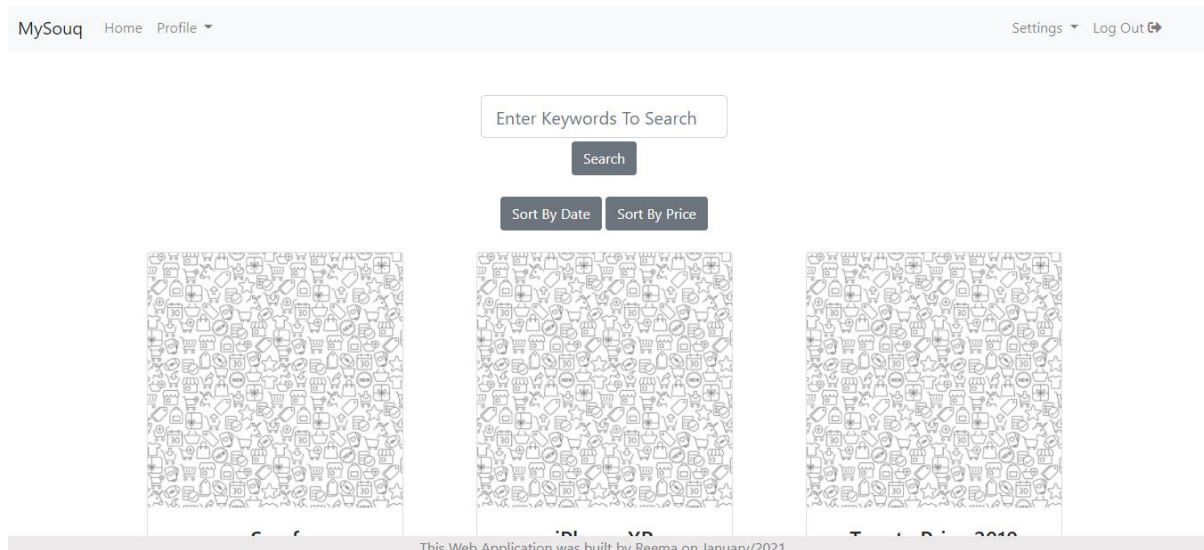
Database Architecture

Entity Relationship Diagram



Web App in Detail

Home Page:





Web App in Detail

Login:

MySouq

Home

SignUp  Login 

Login

Username:

Password:

Login



Don't have an account ? [SignUp](#)

This Web Application was built by Reema on January/2021.

SignUp:

MySouq

Home


SignUp  Login 

SignUp

Username:

Password:

Birthday:



Email:

SignUp

This Web Application was built by Reema on January/2021.

Web App in Detail

Buyer Profile:

MySouq

Home

Profile ▾


Settings ▾

Log Out ↗

reema_95 Profile

Favorites List

Buy Requests



Hello reema_95!

username: reema_95

email: reema@gmail.com

birthday: 1995-10-06 14:09:01

This Web Application was built by Reema on January/2021.

Admin Profile:

MySouq

Home

Profile ▾

Settings ▾

Log Out ↗

Edit Profile

Change Password


Add Category

View Users

Maintenance On

Maintenance Off

Review Upgrade Requests



Hello admin!

username: admin

email: admin@gmail.com

This Web Application was built by Reema on January/2021.

Conclusion

Points To Be Improved

- Mobile Friendliness.
- Adding JavaScript for a better user experience.
- Creating a notification page with active dynamic alerts.
- Ability to add new images to items by Sellers.

Summery

In conclusion, MySouq is an online marketplace platform.
Its main usage is to buy and sell items. The items can be new or sold.

There are three types of users of MySouq; Buyers, Sellers and Admins.
Each have different capabilities.

The web app is accessible online using any web browser.

References

List of Resources

- <https://flask.palletsprojects.com/en/1.1.x/>
- <https://docs.python.org/3/>
- <https://jinja.palletsprojects.com/en/2.11.x/>
- <https://docs.mongoengine.org/guide/index.html>