**Project high level document**

**Executive summary**

The stress of moving things out of storage and getting rid them is a hustle that most people don’t like to do, its stressful, tiring and sometimes annoying to comb through all the dust and heavy lifting to get things out. Sometimes there is no motivation to get those things out even if they are not in use and occupying space.

That is where our platform comes in it gives the users the opportunity to sell these old items that are just sitting in storage. Users simply register on the app and upload items they wish to get ride of at a cost, other users interested in these place a request for the item and go pick it up. It provides convenient to the seller because, he/ she makes money off the item and the doesn’t have to do delivery as the buyer will come pick it up and the buyer also gets items they need at affordable prices.

We realized that sometimes people order things that are delivered and do not look the same as the pictures they saw when ordering. That is why our platform allows the users over short range to do transaction in person, where the buyer sees exactly what he/she is getting.

Our team is made up of 5 members, our combined experience helps us create a diverse and technical environment, with people experiences in tools such us MySQL, JavaScript, node js, express, bootstraps and more.

**List of main data items and entities**

**Users**

* Name
* Email
* Telephone
* Password
* Status

**Items**

* Item label
* images
* Description
* Price
* Address
* Category(electronics, toys, etc)
* Status

**Categories**

* Label
* Description (content of category)

**Administrator**

* Name
* Email
* Telephone
* Password
* Status

**Orders**

* Item id
* User id
* Timestamp
* Status (pending, completed)
* User remark (description of transaction and seller)

**Messages**

* Item id
* Message
* Sender id
* Receiver id
* Timestamp

**List of functional requirements**

**Users**

* User shall be able to register and login
* Users can search for items by name or category
* Users can search for items by name
* Users can click order item to place an order
* Users can message seller to arrange for item pickup and payment
* Users shall be able to upload items for sale
* Users shall be able to update the status of their items once sold
* Users shall be able to receive messages from users interested in buying items
* Users shall be able to comment of the transactions after it is completed
* Users shall be able to see all the purchases items
* Users shall be able to see all the uploaded items for sale

**Administrators**

* Admin shall have access to block user account
* Admin shall have access to delete uploaded items
* Admin shall be able to add and edit item categories
* Admin shall not be able to edit item details
* Admin shall not be able to edit user details

**List of non functional requirement**

* Application shall be developed, tested and deployed using tools and environments approved by the professor, however tools will be chosen by the team.
* Application shall be developed to suit both mobile and web , ie must render correctly for both mobile device and web.
* Data shall be stored in the database chosen by the students.
* Language used is English
* No emails clients shall be allowed
* No payment shall be implemented or simulated
* Site security: basic best practices shall be applied

**High level system architecture and technology used**

Server Host: Mac OS, Windows 10

Operating system: Windows, Mac

Database: MySQL

Web Server: Node JS

Server side language Javascript

**Additional Technologies**

IDE Visual Studios Code, sublime

Frameworks Express js, bootstrap

Others: Whatsapp group, github

**Teams and roles**

Team lead / developer/ Github master Thomas Davis

Front End developers Haseeb safdar, Abubaker Mustafa

Backend Developer Parvin Akhundov, Emin Gasimov