CS251: Software Engineering I
2014-2015
Easily Buy, Sell, Exchange Products

Cairo University, Faculty of Computers and Information

Author: Catherine Bedrossian (c.bedrossian@fci-cu.edu.eg)

Problem Statement

- Many people have a lot of used goods that they don't need any more and they cannot provide an ad in a journal or media to sell it (laptop, mobile, car, home,…etc)
- When you do online shopping and you got the product you may find it not suitable for you and so you want to sell it (clothes, watches, jewelleries,…etc)

Proposed System:

- Provide a website, mobile application (IOS, Android) where user can post anything he wants to sell and can search on any goods he is interested to buy

Further details on How to use the system and user account

Anyone signup with his email or Facebook to create an account.
User can access his ads and update them; add an ad or remove it, User can make lists for saving provided ads, he can also chat with people who requested any of his goods, User can do both buy and sell.

Further details from a seller perspective

Seller has to chose a category of the product he wants to sell (Cars, Homes, Jobs offers,..etc). A category may or may not have a list of subcategories that the user chose too (for Job Offers category, IT filed, Accounting, Mass communication...etc). The seller fill a form of his personal info for easy contacting him (mobile number, name, place...etc)and a form of the product info which depends on his selected subcategory (**for car**, he fills car model, number of KM, …etc; **for home**, he fills home area, address...etc; **for job offers,** years of experience range, salary range...etc) and there is a set of info opened for all the products (Title, Description...etc), there is also an anything category where user can add his ad there if he sees that it doesn't belong to any of the specified categories

Further details from a buyer perspective

Buyer can search for products by a searching keyword or by selecting the category, subcategory, Place of provider. Each subcategory has its own filters to help in search (**for car,** color, engine capacity…etc). Once a product is chosen, the form filled by the product provider is opened where the buyer can see the product details, the provider info, can send the provider his offer, and he will be added to his chatting list, can save the product to one of his lists

Further suggestions:

Add an Exchange feature where seller can select if this product is exchangeable or not, provide an optional list of his preferred categories to exchange with. Buyers can filter products from the beginning by exchangeable or not. An exchangeable product is treated exactly as a normal product.

Need to add more categories, more subcategories, add more filters.

Request to post an ad could be monitored and need acceptance from server (to avoid posting any inappropriate ads or images)