Cairo University

Faculty of computer and information

Software Requirements Specifications

Course	:	**CS251- Software Engineering I**
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Year	:	**2014**
Project name	:	**Goods.com**
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Contents

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Software Requirements Specifications

Document Purpose and Audience

- This document is a simple requirement for an online shopping website Goods.com.
- Audience of this document are: Software manager, project owner ,web developers, web designers, testers.

Introduction

Software Purpose

- To make exchange of goods with each other easier than traditional ways , anyone have goods he don't need anymore, Now he can sell it without the cost of ads

Software Scope

- This website is like a big online Exhibition.
- You can browse and see the good for other which they would like to sell and you like to buy.
- Also you can put the things which you would like to sell
- We have categories we have 3 categories but they are important
- The categories are Home, Car, Job Offers.
- Each of them has subcategories,,,, Car has 2 subcategories (Honda and Opel) And job offers has 3 subcategories ((IT filed, Accounting filed, Mass communication Filed).
- In our website everyone have some information when he creates account, he can sign up by 2 ways.
- If he signs up with email he should provide ((Name, email).
- If he signs up by FB (his mail and name will be got from FB).
- Every user can make ads about his good (item) but every ads should have (Title, Image, Description, Place).
- If the ads about car it should have extra info (Price, # of KM, Engine capacity, Model).

- If the ads about home should have extra info (Area, address, price, # of rooms, # of toilets).

- If the ads about Job offers should have extra info (Salary, years of experience, Job Type (part time, full time, intern), Required Skills).

- we have also option search , we can search about the good (item) which we want.
- we can search by (categories, subcategories, Place).

Software Requirements Specifications

- **And this website can be useful for a lot of people because:**
- **We have many categories which they are suitable for people**
- **This website save money of advertisement in journal or in media.**

Definitions, acronyms, and abbreviations

- **Good.com : is The project name.**
- **Goods.com is sample web site that can online shopping very easy from your home, you and review your items, buy or sell .**

Requirements

Functional Requirements

- **user can log in or create new account by his email or Facebook account and fill some field like name, phone, place and email after login the main functional are:**

  - Buy.
  - Sell.
  - Contact (message).
  - Update information.
  - Search.
  - Add ads.
  - Remove ads.
  - Sign up.
  - List ads.
  - Log in.

- **For "Buy" selection:**
  After user log in he/she can search for what he/she want and read the advertising if interested in it, user can contact with the owner of the product and how to send money and deliver the product.

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- **For "Sell" selection:**

  After user log in he/she can create a post to sell his/her product to others.

- **For "Contact (message)" selection:**

  After user log in he/she can see received messages and reply and also he/she can send new massage to the owner of an product if he/she want to ask for some information about the product or to how to buy it.

- **For "Update information" selection:**

  After user log in he/she can update personal information like phone, email, place, add description about himself/herself .

- **For "Search" selection:**

  After user log in he/she can search for products by select category that mentioned in scope section and type keywords of what he/she want ,and web site will show list of selected above.

- **For "Add ads" selection:**

  After Super user log in he/she can create new ads by fill some forms like description, select   category, number of items, price, how to contact with owner.

  For each category there are subcategory user should fill it also.

- **For "Remove ads" selection:**

  After Super user log in he/she can remove ads in case there are no items to sell or he/she don't want to sell this product anymore.

- **For "Sign up" selection:**

  after web site loading user can create new account by fill email address, name, phone, place, password or create new account with Facebook account.

- **For "List ads" selection:**

  After Super user log in he/she can list of all ads he/she created.

- **For "log in" selection:**

  after web site loading user can log in with his/her account to see the update ads posted, search for items , buy, sell, update information.
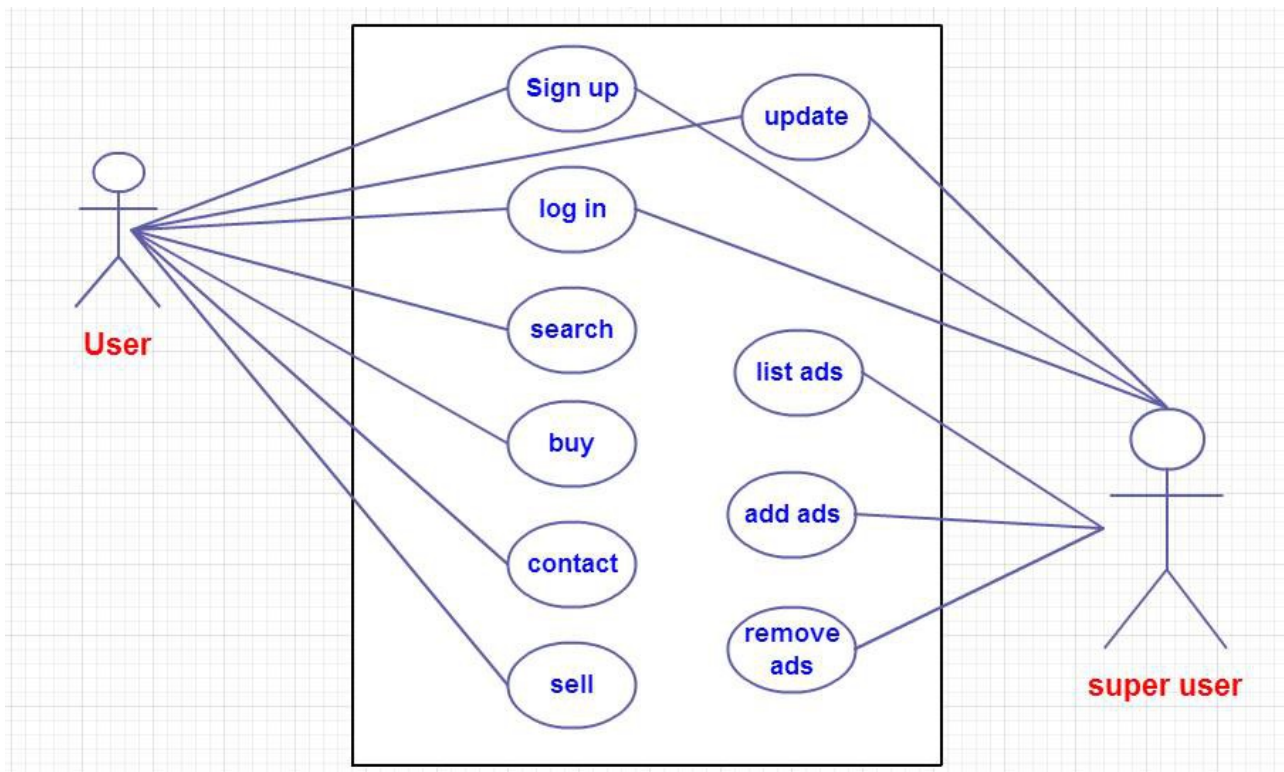
Non Functional Requirements

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- **Performance:** web site takes less than 7 second to load and less than 20 second for search function.
- **Maintainability:** the web site updated every several time to fix the bugs.
- **Security:** it's have a good security that prevent user's data to attack.
- **Usability:** it has a very easy UI that help the user to use the web site very easy without help.
- **Environmental:** it's loading fine in many browsers without any error.

System Models

Use Case Model

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Use Case Tables:

Use Case ID	1
Use Case Name	Sign up
Actors	User
Pre-conditions	1. User should open system 2. User selects option sign up 3. User should choose sign up option, and then fill the requirement information. 4. User must put strength pass word
Post-conditions	1. User can log in now to website 2. He can also update his information 3. He can browse the website and search about he want 4. He can also make ads (If Super user)

Flow of Events	User Action	System Action
	1- User choose sign up option	
		2- System redirect him to sign up page
	3- User Select sign up option	
		4- System redirect him to new page
	5- user enter the requirement info	
		6- System creates new account And redirect user to homepage

Exceptions	if the User enters invalid Email or used Email 1 System stop creating an account

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	2 Message to user to re-enter correct Email 3 User enters correct Email
Includes	No need
Notes and Issues	

Use Case ID	2
Use Case Name	Log in
Actors	User
Pre-conditions	1. User should open website 2. User should choose log in option , then fill the requirement information
Post-conditions:	1- User can update his info 2- He can browse the website and search about he want to buy 3- He can also make ads (If Super user)

Flow of Events:	User Action	System Action
	1- User Enter His email and Password.	
		2- System Verify user data
	3- User choose what he wants to do, search for items or add ads (If Super user)	

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		4- System redirect him to correct page
Exceptions:	if the User enters invalid Email or invalid password 1. System stop logging into account 2. Message to user to re-enter correct Email or correct password 3. User enters correct Email	
Includes:	No need	
Notes and Issues:		

Use Case ID	3
Use Case Name	Buy
Actors	User
Pre-conditions	1. User should log in 2. Search for what he want to buy
Post-conditions	1. User send message to product owner 2. A message " Your request to buy is send , please wait for owner response"

	User Action	System Action
Flow of Events	1- User choose log in option	
		2- System redirect him to log in page
	3- User enter the requirement information	
		4- System Verify user data and redirect him to home page

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	5- User choose search bar option and fill some fields	
		6- System Verify user data and redirect him to result page.
Exceptions	if the User enters invalid Email or password 1. System stop log in 2. Message to user to re-enter correct Email or password. 3. User enters correct Email	
Includes	Use case 2	
Notes and Issues		

Use Case ID	4	
Use Case Name	Sell	
Actors	User	
Pre-conditions	1. User should open website 2. User should choose log in option, then fill the requirement information.	
Post-conditions	1. User can go to create post and write keywords 2. He can also select category and subcategories and finally click search button " view result"	
Flow of Events	**User Action**	**System Action**
	1- User choose log in option	
		2- System redirect him to log in page
	3- User enter the requirement info	
		4- System Verify user data and redirect him to home page

Software Requirements Specifications

	5- User choose search bar option and fill some fields	
		6- System Verify user data and redirect him to result page.
Exceptions	if the User enters invalid Email or password 1. System stop log in. 2. Message to user to re-enter correct Email or password. 3. User enters correct Email	
Includes	Use case 2	
Notes and Issues		

Use Case ID	5	
Use Case Name	Search	
Actors	User	
Pre-conditions	1. User should open system 2. user must log in or create new account	
Post-conditions	1. After log in, user can search by many ways 2. He selects the item he wants	
	User Action	**System Action**
	1. User log in to website	
		2- System redirect him to home page
Flow of events	3- User Select search option	
		4- System redirect him to new page
	5- user Enter the good (item) he want to search	

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		6- System redirect him to search page
Exceptions	if the User enters invalid Email or used Email 1. System stop log in into account . 2. Message to user to re-enter correct Email 3. User enters correct Email If user enter invalid category 1. Message to user to re-enter correct search title	
Includes:	Use case 2	
Notes and Issues:		

Use Case ID	8
Use Case Name	Add ads
Actors	Super user
Pre-conditions	1. Super user has active account on good.com 2. Super user logged in
Post-conditions	1. Super user received a message " Your ads has been added" 2. System response to his action and it has been added to ads

Flow of events	User Action	System Action
	1- Super user enter E-mail and password	
		2- System verify his data
	3- Super user Select ads list	
		4- System retrieves ads list

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	5-Super user add his ads	
		6-System response and his ads has been added
Exceptions	In step 1 if Super user entered incorrect e-mail or password 1. System reject his request to log in 2. System will send message "Please check your e-mail and password and try log in again" In step 3 if User was not in type Super user 1. System reject his request to show ads list 2. System will send message "Please check your account type and try log in again"	
Includes	Use case 2, 7	
Notes and Issues	What is the cost of the ads?	

Use Case ID	9	
Use Case Name	Remove ads	
Actors	Super user	
Pre-conditions	1. Super user has active account on good.com 2. Super user logged in	
Post-conditions	1. Super user received a message " Your ads has been removed" 2. System response to his action and it has been removed from ads	
Flow of events	**User Action**	**System Action**
	1- Super user enter E-mail and password	

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		2- System verify his data
	3- Super user Select ads list	
		4- System retrieves ads list
	5-Super user remove his ads	
		6-System response and his ads has been removed
Exceptions	In step 1 if Super user entered incorrect e-mail or password 1. System reject his request to log in 2. System will send message "Please check your e-mail and password and try log in again" In step 3 if User was not in type Super user 1. System reject his request to show ads list 2. System will send message "Please check your account type and try log in again"	
Includes	Use case 2, 7	
Notes and Issues		

Use Case ID	7
Use Case Name	List ads
Actors	Super user
Pre-conditions	1. Super user has active account on good.com 2. Super user logged in
Post-conditions	1. Super user received a message " Welcome in ads page" 2. System response to his action and ads list is showed

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Flow of events	User Action	System Action
	1- Super user enter E-mail and password	
		2- System verify his data
	3- Super user Select ads list	
		4- System retrieves ads list
Exceptions	In step 1 if Super user entered incorrect e-mail or password 1. System reject his request to log in 2. System will send message "Please check your e-mail and password and try log in again" In step 3 if User was not in type Super user 1. System reject his request to show ads list 2. System will send message "Please check your account type and try log in again"	
Includes	Use case 2	
Notes and Issues		

Use Case ID	10
Use Case Name	Contact
Actors	User
Pre-conditions	1. User has active account on good.com 2. User logged in
Post-conditions	1. User received a message "Your message send successfully" 2. System response to his action and send message to another user he selected

Software Requirements Specifications

Flow of events	User Action	System Action
	1- User enter E-mail and password	
		2- System verify his data
	3- User Select user name to send message	
		4- System retrieves user account
Exceptions	In step 1 if User entered incorrect e-mail or password 1. System reject his request to log in 2. System will send message "Please check your e-mail and password and try log in again"	
Includes	Use case 2	
Notes and Issues	What is the message size allowed?	
Use Case ID	5	
Use Case Name	Update information	
Actors	User	
Pre-conditions	1. User should open system 1. user must log in or create new account 2. User can update information after log in	
Post-conditions	1. After log in ,,, user can update his personal information 2. He can change email, phone, place.	

	User Action	System Action
	1-User log in to web site	
		2- System redirect him to home page
Flow of events	3- User Select update option	
		4- System redirect him to new page
	5- user make change in fields and click save;	

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		6- System Verify user data and save it in date base and go to home page.
Exceptions	if the User enters invalid Email or used Email 1. System stop log in into account . 2. Message to user to re-enter correct Email 3. User enters correct Email If user enter invalid information 1. Message to user to re-enter correct field content.	
Includes	Sign up, log in	
Notes and Issues		

Ownership Report

Item	Owners
Introduction	*Esraa ahmed*
Requirements	*Hosam hesham*
System Models	*Amany mohamed*