



CS251: Phase 1 - Shopping

Software Requirements Specifications Software Engineering -1

• Team :

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- **Leader Name :** Hossam Hassan Ali
- **Leader's Number :** 01123483323
- **Course Name :** Software Engineering – 1
- **Year :** 2014 – 2015
- **Project Name :** Easily Buy , Sell , Exchange Products

- **Audience**

- Project manager , Developer , analyst .

- **Document purpose**

- This document completely describes the system in terms of functional and non-functional requirements and serves as a contractual basic between the client and the developers .

- **Introduction**

- **Software Purpose :**

- An online shopping to facilitate buying , selling and exchange products.
- save time , cost and effort .
- Providing a lot of kinds and models of products for customers.

- **Software Scope :**

- **Categories :** only 3 major categories (home , car , job offers) car has to subcategories (Honda , Opel) job offers has 3 subcategories (IT field , accounting field , mass communication field)
- **User information :** (name , email if he sign up with his email) (if he sign up with fb , his mail and name will be got from fb)
- **Add information for all ads :** (title , image , description , place)
- **Extra information for cars :** (price , # of cars , engine capacity , model)
- **Extra information for homes :** (area , address , price , # of rooms , # of toilets.
- **Extra information for job offers :** (salary , years of experience , job type , part time , full time , required skills)
- **Personal information on ad creation :** (name , mobile number , note)
- **Search filters :** By categories , subcategories , place .

• Requirements

○ Functional Requirements :

1. Signing up :

- This System allows customers to sign up with his email or Facebook .
- Customers can chat with each other .

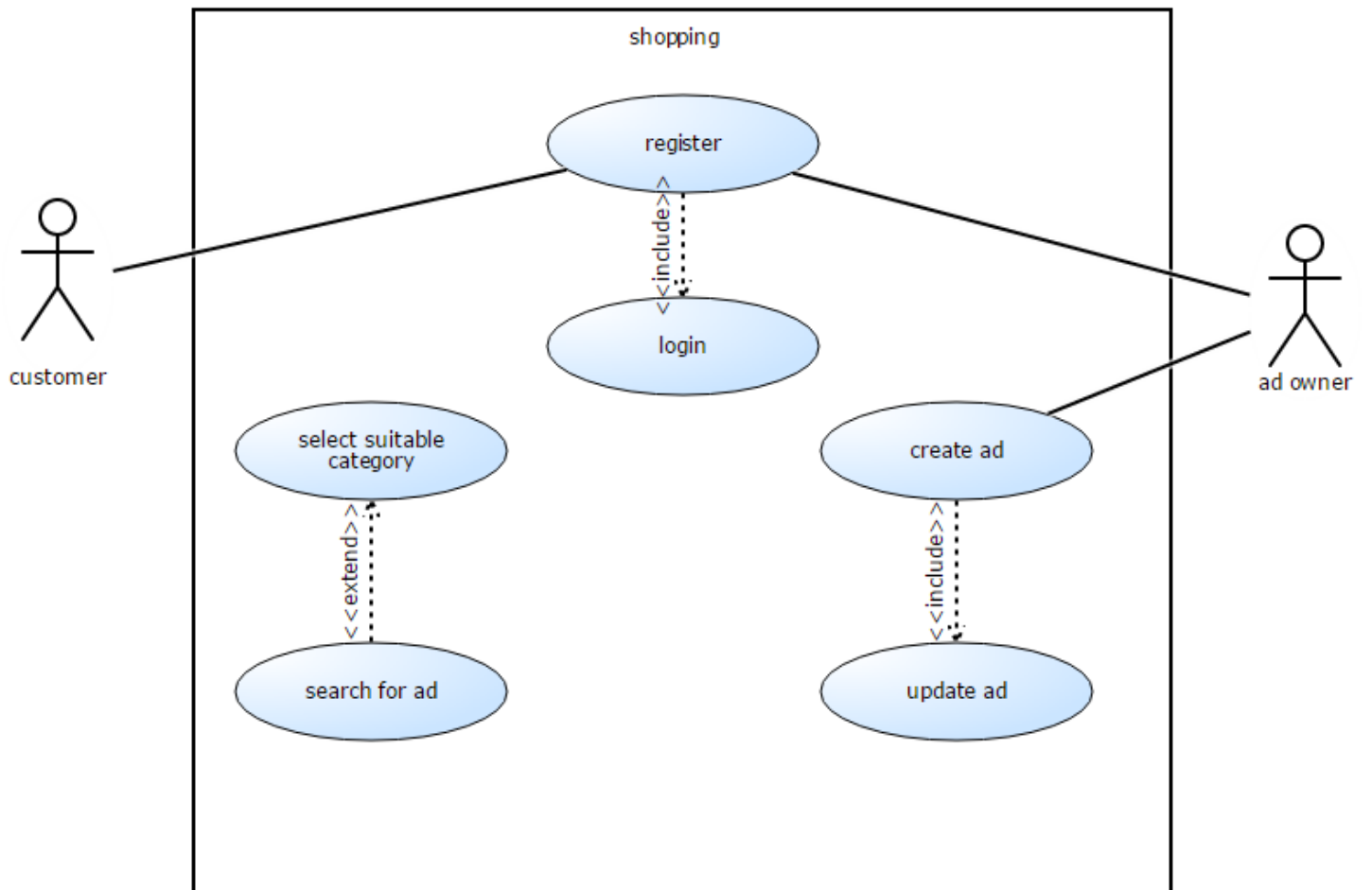
2. Making ad :

- User can access his ads and update or remove them .
- User can make lists for saving provided ads .
- User must put his product's ad in a suitable category .

○ Non-Functional Requirements :

	Details
Performance	<ul style="list-style-type: none">• The filtering search operation will be done within 4 seconds .• The ads posting time operation takes 10 seconds for other customers to see it .• The maximum number of users that can login to the system at the same time is 2 Millions.
Usability	<ul style="list-style-type: none">• Simply to use : the user can easily find any product and filtering it by (e.g. Date , place , price ..)• Chatting : the customers can chat with each other to make an appointment to exchange products .
Security	<ul style="list-style-type: none">• The user should add his ad in the suitable category or it will be deleted.
Availability	<ul style="list-style-type: none">• The system will be available 24 hour per day unless there is a problem in the system .

- Use Case Model



○ Use Case Tables

Use Case ID:	1	
Use Case Name:	Register	
Actosr:	Customer , ad owner	
Pre-conditions:	Open the system	
Post-conditions:	The user is now has active account on the system	
Flow of events:	User Action	System Action
	1- user enter his name , address , email and password .	
		2- System send confirmations message to user's email .
	3- User open his email to confirm a message and activate his account .	

Use Case ID:	2	
Use Case Name:	Login	
Actosr:	Customer , owner	
Pre-conditions:	The user registered	
Post-conditions:	The customer can now search for a suitable ad and the ad owner can make an ad .	
Flow of events:	User Action	System Action
	1- User Enter username and password	
		2- System Verify user data

Use Case ID:	3	
Use Case Name:	create ad	
Actosr:	Ad owner	
Pre-conditions:	Ad owner must login first	
Post-conditions:	The customer can now see the ad .	
Flow of events:	User Action	System Action
	1- user fill ad information and fill his personal information	
		2- System Verify ad data and post it.

Use Case ID:	4	
Use Case Name:	Update ad	
Actosr:	Ad owner	
Pre-conditions:	The ad owner must post the ad first	
Post-conditions:	The customer now can see the updated ad	
Flow of events:	User Action	System Action
	1- open the ad that he wants to update .	
	2- update the ad.	
		3- System apply the changes in ad.

Use Case ID:	5	
Use Case Name:	Choose suitable category	
Actosr:	customer	
Pre-conditions:	The customer must login first	
Post-conditions:	the customer entered the suitable category and ready to search for ad	
Flow of events:	User Action	System Action
	1- Customer enter name of the category .	
		2- System allowed the customer to enter the category .

Use Case ID:	6	
Use Case Name:	Search for ad	
Actosr:	customer	
Pre-conditions:	The customer login and entered the category that contain the ad he want to search for .	
Post-conditions:	Choose the suitable ad and contact to the ad owner	
Flow of events:	User Action	System Action
	1- customer search for the ad	
		2- System list all the available ads.
	3- choose the suitable add and contact to the ad owner	

○ Ownership Report

Item	Owners
Use case table	<i>Amir mostafa mohamed</i>
Use case model	<i>Hossam hassan ali</i>
Non-functional requirements	<i>Bassem sarhan ali</i>
Software purpose and scope	<i>Mohamed adel abdel moneim</i>