CS251: Phase 1 – the RolePlayers – Buy, sell and exchange

Software Requirements Specifications
Software Engineering -1

Team

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Document Purpose:

- This Document is a first draft for a Software project.
- Describes major function requirements.
- Describes the purpose of the project.
- Describes the scope of the project.

Audience

- Project manager (TA).
- Project owner.
- Developers, testers and sponsors.

Introduction

Software Purpose

1. Provide a website where user can post anything he wants to sell and can search on any goods he is interested to buy or search for a suitable job.

Software Scope

- There are 3 main categories (Cars, Job offers, and Home)
- Subcategories of car(Opel and Honda)
- Subcategories of jobs(IT filed, Accounting filed, Mass communication Filed)
- Required Information for creating account(Name, email if he signed up with email, if he signed with Facebook, email and name will be got from Facebook)
- Ad info that user should fill(Title, Image, Description, and Place)
- Cars category could include(Price, number of Kilometers, Engine capacity, Model)
- Jobs category could include(Salary, years of experience, Job Type (part time, full time, intern), Required Skills)
- home category could include(Area, address, price, number of rooms, number of toilets)
- Personal Info on ad creation (Name, mobile number, Note)
- Search Filters By categories, subcategories, Place

Requirements

Functional Requirements

- Signup on the website with mail or Facebook account
- Seller can make ad using the pre mentioned categories
- Seller fill personal information form in his ad
- Seller can update his ad
- seller can update his personal information in the ad
- seller can delete his ad
- Buyer can search products by keyword or by browsing categories.

- Buyer can add products to a wish list
- Buyer can make an offer to the seller
- Buyer can send message to the seller

Non Functional Requirements

Extensibility	-The system can be updated and add new features and options.
Performance	-The system takes 10 seconds maximum to load a page.
Privacy	-Only the user can see his registration personal info (e-mail, date birth, etc. …)
Safety	-The system auto saves data to be restored if the system goes down.
Recovery	-The system takes 5 minutes to recover and work again.
Reliability	- The system goes down a maximum once a month.
Price	-Anyone can use the system for free.
Usability	-The System is user-friendly and has no complex operations.

System Models:

Use Case Model
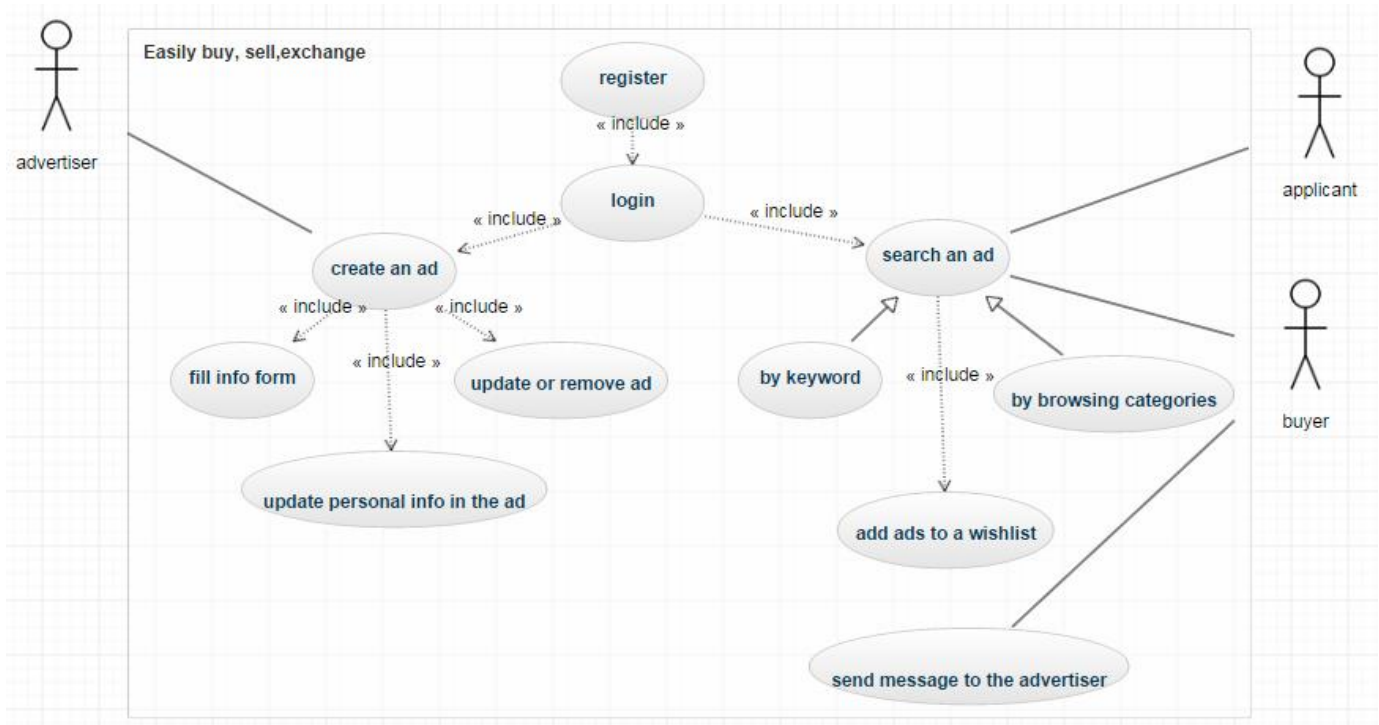
Use case tables

1- Register UC

Use Case ID:	UC-1	
Use Case Name:	Register	
Actors:	Advertiser, applicant and buyer	
Pre-conditions:	None	
Post-conditions:	account created successfully , user ready to use it	
Flow of events:	**User Action**	**System Action**
	1- user click sign up button.	
		2- System requires if user would register by e-mail or by Facebook.
	3- User Select Vodafone from the list	
		4- System retrieves Vodafone bills

2-login UC

Use Case ID:	UC-2	
Use Case Name:	Login	
Actors:	Advertiser, applicant and buyer	
Pre-conditions:	User should has been signed up.	
Post-conditions:	User can search an ad or make an ad.	
Flow of events:	**User Action**	**System Action**
	1- User Enter Card and Password.	
		2- System Verify user data

	3- User Select Vodafone from the list	
		4- System retrieves Vodafone bills

3- create an ad

Use Case ID:	UC-3	
Use Case Name:	Create an ad	
Actors:	Advertiser	
Pre-conditions:	login to the system	
Post-conditions:	User fill his/her personal information.	
Flow of events:	**User Action**	**System Action**
	1- User choose the ad category.	
		2- system shows subcategories.
	3- user select the sub category.	
		4- System shows ad application form.

4- search an ad

Use Case ID:	UC-4	
Use Case Name:	Search an ad	
Actors:	Buyer	
Pre-conditions:	User should has been logged in.	
Post-conditions:	User can search ad.	
Flow of events:	**User Action**	**System Action**
	1- User choose search ad.	
		2- system show search by keyboard and by browsing categories .
	3- user select search method do the search .	
		4- System shows ad .

5- fill information form

Use Case ID:	UC-5	
Use Case Name:	Search an ad	
Actors:	Advertiser	
Pre-conditions:	User should open creating ad page.	
Post-conditions:	User finish his ad to be ready for submitting.	
Flow of events:	**User Action**	**System Action**
	1- User fill information about his ad and submit it .	
		2- system adds the ad to its selected category by the user .

6-update and remove ad

Use Case ID:	UC-6	
Use Case Name:	Update and remove ad.	
Actors:	Advertiser	
Pre-conditions:	User should create an ad.	
Post-conditions:	User can edit information about ad or delete it .	
Flow of events:	**User Action**	**System Action**
	1- User Select his created ad.	
		2- System show edit option and remove option .
	3- user selects an option (edit or remove).	
		4- System perform the selected opt.

7-add ads to wish list

Use Case ID:	UC-7	
Use Case Name:	Add ads to wish list	
Actors:	Advertiser	
Pre-conditions:	User should search ads.	
Post-conditions:	User can make a list of ads that he is interested in.	
Flow of events:	**User Action**	**System Action**
	1- User selects ad to a wish list.	
		2- system save the ads to a list belongs to the user .
	3- user selects an option.	
		4- System perform the selected opt.