



Phase Two

Project Course: CS251

TA: Eng. Catherine Bedrossian

Project Name: “Easily Buy Sell Exchange”

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CS251: Phase 2 – EasilyBuySellExchange-IS-1,2

Software Requirements Specifications

Contents

Team	2
Document Purpose and Audience	2
Introduction	2
Software Purpose	2
Software Scope	3
Requirements	4
Functional Requirements	4
Non Functional Requirements	5
System Models	6
Use Case Model	6
Use Case Tables	7
Ownership Report	16



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Software Requirements Specifications

Team:

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Document Purpose and Audience

Document purpose: the initial software requirements specifications.

Audience: TA/Catharine Bedrossian, Our Team Developers, Sponsors and tester.

Introduction

Software Purpose

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

Software Scope



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Software Requirements Specifications

- Categories :

- Home
- Cars
(Honda and Opel)
- Job offers
(IT filed, accounting filed, Mass communication Filed)

- Sign Up:

*with email:

- Name
- Email

* With Facebook account:

- Got name and mail from his account.

-Ad Info:

- Title
- Image
- Description
- Place

-Extra info for cars:

- Price
- number of KM
- Engine capacity
- Model

-Extra Info for homes:

- Area
- Address
- Price
- Number of rooms
- Number of toilets.



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Software Requirements Specifications

-Extra Info for Job Offers

- Salary.
- Years of experience.
- Job Type (part time, full time, intern).
- Required Skills.

-Personal Info on ad creation

- Name.
- Mobile number.
- Note.

-Search Filters By:

- Categories.
- Subcategories.
- Place.

Requirements

Functional Requirements

- User can Sign up with his email address or Facebook account.
- User can login with his mail and password or by his FB account.
- **Buyer:**
 - Buyer can browse/search products by name.
 - Buyer can filter products By Categories, subcategories, Place.
- **seller:**
 - Seller can Post his product ad for sale and choose its category.
 - Seller can access his advertisements.
 - Seller can update/delete his ads.
 - Seller can chat with people who requested any of his goods.

Non Functional Requirements

- **Usability, Reliability, Performance, Security, Scalability, Portability, Maintainability.**



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Software Requirements Specifications

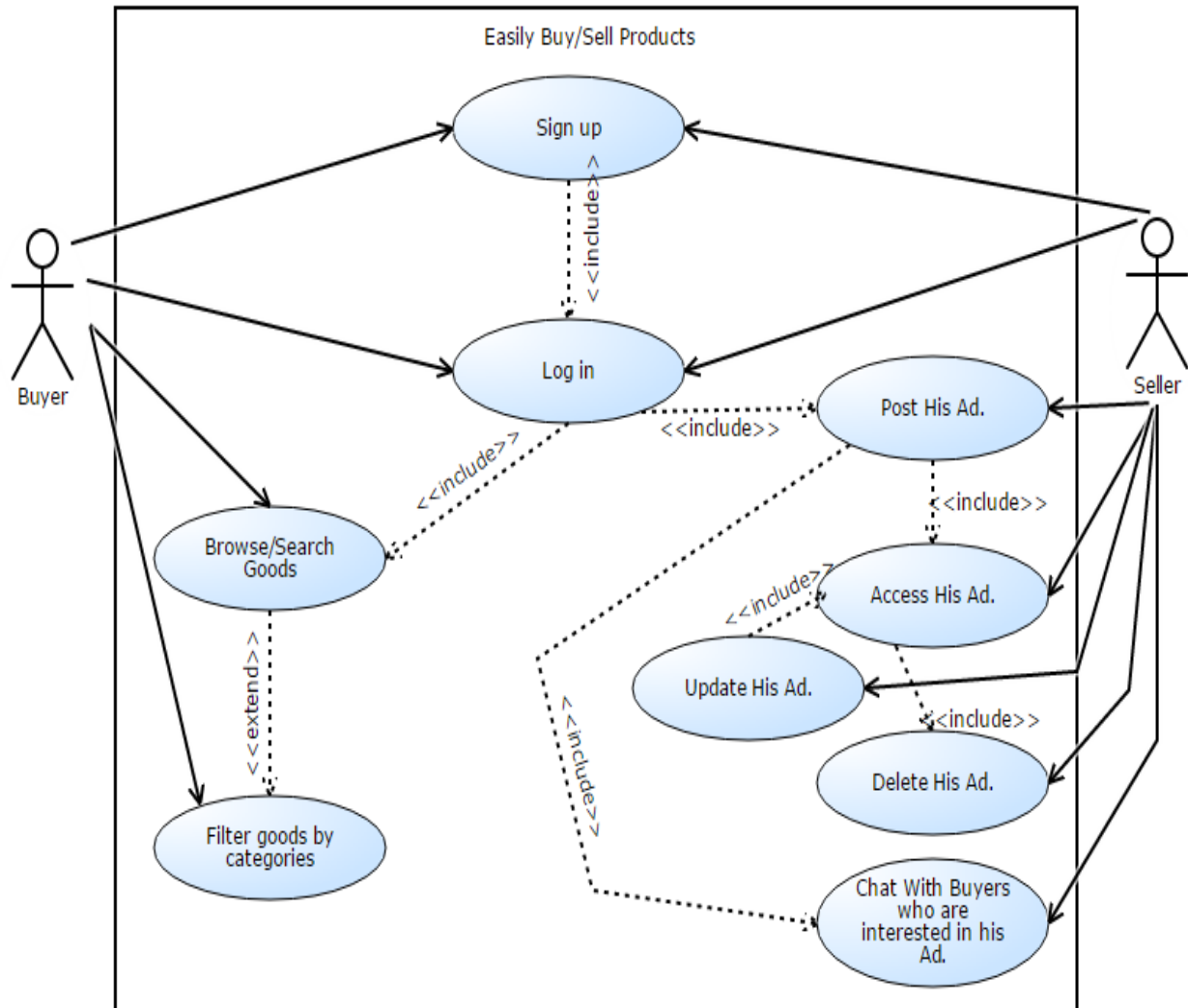
Type	Function Name	Details
Security	User can Sign up with his email address or Facebook account.	User password and personal information are highly secured
Performance		Process will be done within 1 min.
Performance	User can login with his mail and password or by his FB account.	This process will take 10 sec.
performance	Buyer can browse/search products by name.	Process will be done in 5 sec.
Usability	Buyer can filter products By Categories, subcategories, Place.	We make it easy to see the products buyer wants to buy by filtering it.
Scalability	Seller can Post his product ad for sale and choose its category.	There is no Limit for the number of advertisements posted on the application.
Security	Seller can access his advertisements.	Only seller can access his ads, who review them and who ordered them.
Usability	Seller can update/delete his ads.	User can easily update his ads.
Security	Seller can chat with people who requested any of his goods.	Chat messages are private between buyer and seller.

System Models

Use Case Model



Software Requirements Specifications



Use Case Tables:

Use Case ID:	1
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Software Requirements Specifications

Use Case Name:	Sign up	
Actors:	Buyer/Seller	
Pre-conditions:	-	
Post-conditions:	Log in	
Flow of events:	User Action	System Action
	1- Buyer and Seller enter their personal details to the system.	
		2- System check these information and then create accounts for them.

Exceptions:	-----	
Includes:	-----	
Notes and Issues:	----	

Use Case ID:	2
Use Case Name:	Log in
Actors:	Buyer/Seller



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Software Requirements Specifications

Pre-conditions:	Sign up	
Post-conditions:	Browse / Search Product.	
Flow of events:	User Action	System Action
	1-Buyer and Seller enter their personal details to the system.	
		2-System check these details and then if are true, it allows buyer or seller to log in the System.
Exceptions:	Before he does this process he must sign up.	
Includes:	-----	
Notes and Issues:	-----	

Use Case ID:	3
Use Case Name:	browse/search products
Actors:	Buyer
Pre-conditions:	Login, sign up



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Software Requirements Specifications

Post-conditions:	Filtering products	
Flow of events:	User Action	System Action
	1- buyer sign up for the app.	
		2- System check whether he has a current user or not then completes the process of signing.
	3- Buyer login with his mail and password or Facebook account.	
		4- System verifies user data.
	5-buyer search for the wanted product.	
		6- System filters the result.
Exceptions:	Before he do this process he must sign up and login.	
Includes:	-----	
Notes and Issues:	----	

Use Case ID:	4
Use Case Name:	filtering products
Actors:	Buyer
Pre-conditions:	Sign up ,login , browse/search products



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Software Requirements Specifications

Post-conditions:	-----	
Flow of events:	User Action	System Action
	1-buyer search for the wanted product.	
		2- System filters these product By Categories, subcategories, Place.
Exceptions:	Before he does this process he must sign up, login and browse/ search these products.	
Includes:	-----	
Notes and Issues:	-----	

Use Case ID:	5
Use Case Name:	Seller can Post his product ad for sale and choose its category.
Actors:	Seller
Pre-conditions:	Sign up, login.



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Software Requirements Specifications

Post-conditions:	-----	
Flow of events:	User Action	System Action
	1-seller post his ad.	
		2- System add this ad to the chosen category.
Exceptions:	He must choose his ad category to make it easy to buyers.	
Includes:	He must login.	
Notes and Issues:	-----	

Use Case ID:	6
Use Case Name:	Seller can access his advertisements.
Actors:	Seller
Pre-conditions:	Sign up, login, post ads.



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Software Requirements Specifications

Post-conditions:	-----	
Flow of events:	User Action	System Action
	1-seller access his ad.	
		2- System allow him to know who reviewed them and who want to buy them
Exceptions:	He must post his ads.	
Includes:	He must login.	
Notes and Issues:	-----	

Use Case ID:	7
Use Case Name:	Seller can update/delete his ads.
Actors:	Seller
Pre-conditions:	Sign up, login, post ads, access ads.
Post-conditions:	-----



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Software Requirements Specifications

Flow of events:	User Action	System Action
	1-seller update or delete his ad.	
		2- System post any update he have done.
Exceptions:	He must post his ads.	
Includes:	He must login.	
Notes and Issues:	-----	

Use Case ID:	8
Use Case Name:	Chat With Buyers Interested in His Goods
Actors:	Buyer , Seller
Pre-conditions:	-Both Buyer and Seller Has accounts. -Buyer Has Already Posted His Advertisement.
Post-conditions:	



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Software Requirements Specifications

Flow of events:	User Action	System Action
	1- Buyer Send his offer to seller	
		2- System Adds the buyer to the Seller's Chatting List
	3- Seller Can Chat with Buyer about his offer	
		4- System Transfers Chatting Data between Buyer and Seller
Exceptions:	If any of them isn't logged in , Chatting Can't be done	
Includes:	Both Must have accounts.	
Notes and Issues:		

Ownership Report

Item	Owners