



Phase 1-b: Final SRS Document

Course Name: CS251: Software Engineering I
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Program: Easily Buy, Sell, Exchange Products

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1. Team

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2. Audience

TA: Catherine Bedrossian

3. Introduction

a. Software Purpose

In short, the purpose of the SRS is enable the users to buy and sell over the Internet and to facilitate the payment process and to enable the users to add ads for things they wish to sell in addition to a lot of products assembling in one place.

b. Software Scope

- Primary, the scope pertain easily communication with people who have an ads on the site, and make deal to buy his things in his ads, and the system contain three major categories (Home, Car, Job offers).
- Car contains two subcategories (Honda and Opel), job offers has three subcategories (IT field, Accounting field, Mass communication field), and user can create his account by name and email for first time, or face book account and his name.
- When the user publish his own ad it must contains title, image, description about the ad and place, when the ad contain a car it should be contain price, number of kilometers, engine capacity, model.



- If the ad contain home it should be contain area, address, price and number of toilets, and if the ad contain a job offer it should be contain salary, years of experience, job type, part time, full time and intern required skills.
- When the user create his own ad he must write his name, mobile number and some information about him, in addition to when user want to search about something he will search by categories or subcategories or home place.

4. Requirement

a. Functional Requirements

i. Sign Up

The system allows the user to sign up by entering his Information.
The system allows the user to sign up by facebook account.

ii. Search

The system allows the user to search for product by name or category.

iii. Wishlist

Allows the user to add the product that he wants to his Wishlist.
Cancel the product from the Wishlist.
View his Wishlist products.

iv. ads

User can publish an ad for selling something with details of it.
User can delete or edit his ads.



v. chatting

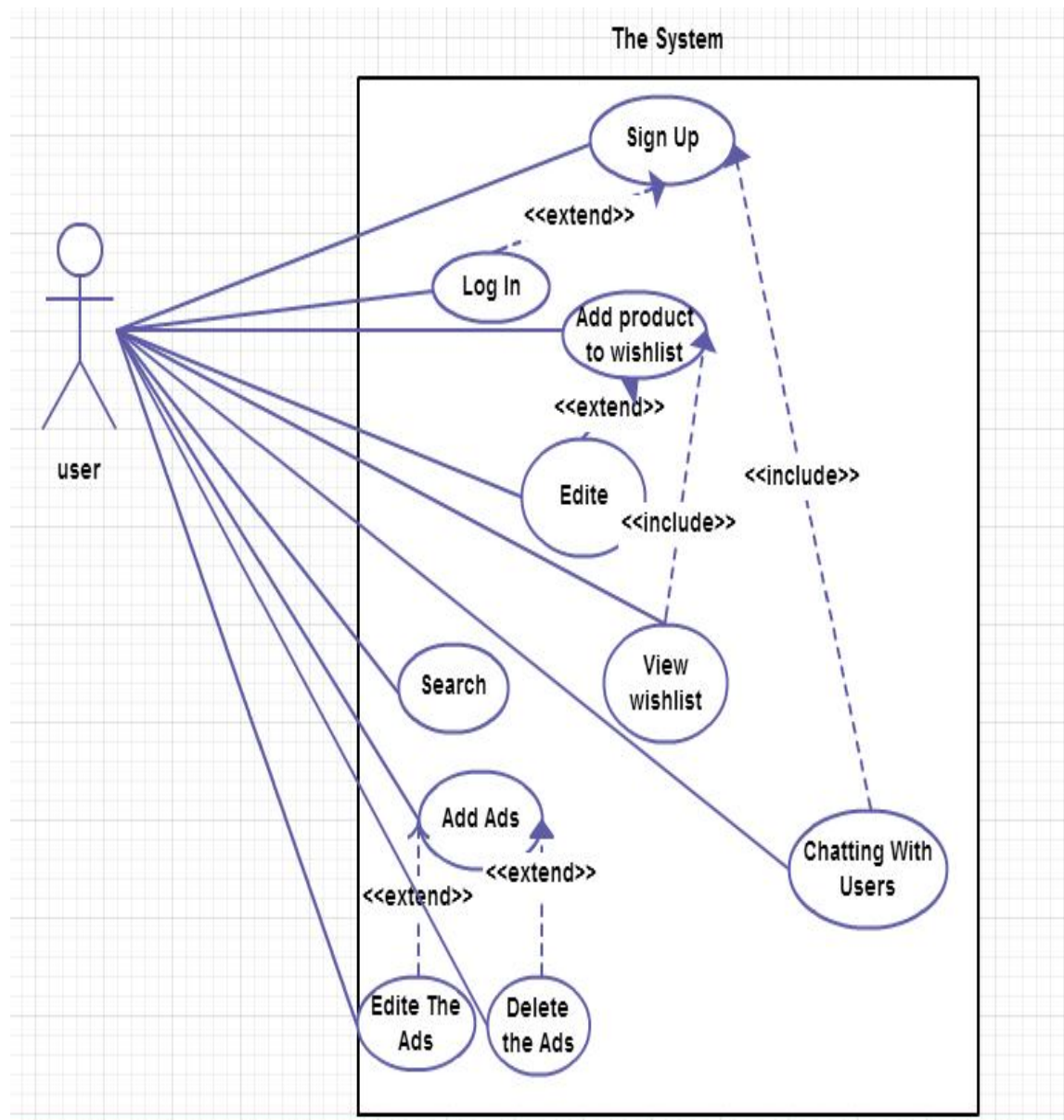
User can chat with people on the system for buying or selling his products.

b. Non Functional Requirements

- This website will use secured protocols and the operation of add an ad for something will take 20 second.
- System allows up to 30,000 users at the same time.
- System allows up to 300 ads per minute.
- The time that take to search to a product 5 second.
- The time to login will take 10 second.
- The website is easy to use.

5. System Models

a. Use Case Model





b. Use Case Tables

1. Sign Up

Use Case Name:	Sign up	
Actor:	User	
Pre-conditions:	Visit the website page.	
Post-conditions:	Sign up with email address or facebook account.	
Flow of events:	User Action	System Action
	1- Click the sign up button.	1-system opens the sign up form.
	2-Fill the sign up form.	2- Make account for the user.
Exceptions:	The email of the submission is invalid.	
Includes:	None	
Notes and Issues:	None	



2. Log In

Use Case Name:	Log In	
Actor:	User	
Pre-conditions:	Visit the website page.	
Post-conditions:	Open the System page post ads and buy products.	
Flow of events:	User Action	System Action
	1- Fill email and password text area.	1-system makes sure that the user account is valid.
	2-clicked log in button.	2- Transferred the user to the categories and products.
Exceptions:	The email or password is incorrect.	
Includes:	Sign up.	
Notes and Issues:	None	



3. Add product to Wishlist

Use Case Name:	Add product to Wishlist	
Actor:	User	
Pre-conditions:	Login	
Post-conditions:	Add products to the Wishlist	
Flow of events:	User Action	System Action
	1- Clicked on the product to add it to his Wishlist.	1-Add the product to his Wishlist.
Exceptions:	None	
Includes:	Log in	
Notes and Issues:	None	



4. Edit Wishlist

Use Case Name:	Edit Wishlist	
Actor:	User	
Pre-conditions:	Add Wishlist	
Post-conditions:	The Wishlist is edited.	
Flow of events:	User Action	System Action
	1- Add other product in the Wishlist or cancel the product.	1-the system will update the Wishlist.
Exceptions:	The user does not add Wishlist.	
Includes:	Add Wishlist.	
Notes and Issues:	None	



5. View Wishlist

Use Case Name:	View Wishlist	
Actor:	User	
Pre-conditions:	Create Wishlist	
Post-conditions:	View the Wishlist products.	
Flow of events:	User Action	System Action
	1- Clicked on the product to view his Wishlist.	1-view the list of products he adds to Wishlist.
Exceptions:	None	
Includes:	Create Wishlist.	
Notes and Issues:	None	



6. Search

Use Case Name:	Search	
Actor:	User	
Pre-conditions:	Enter the product name to search for it.	
Post-conditions:	View the products that contain the same name or categories.	
Flow of events:	User Action	System Action
	1- Enter the product name to search for it and clicked the search button.	1-view the list of products of the same name and products.
Exceptions:	The product or the categories doesn't exist.	
Includes:	None	
Notes and Issues:	None	



7. Add ads

Use Case Name:	Add ads	
Actor:	User	
Pre-conditions:	Want to buy a product and must be login.	
Post-conditions:	Publishing the ad is correct.	
Flow of events:	User Action	System Action
	1- Enter the details of the product and his details.	1-publish the add.
Exceptions:	None	
Includes:	Log In	
Notes and Issues:	None	



8. Edit the Ad

Use Case Name:	Edit the ad	
Actor:	User	
Pre-conditions:	Want to edit the ad.	
Post-conditions:	The edit done successful.	
Flow of events:	User Action	System Action
	1- Edit the ad information and his details.	1-System applies the edit successful.
Exceptions:	None	
Includes:	None	
Notes and Issues:	None	



9. Delete the ad

Use Case Name:	Delete the ad	
Actor:	User	
Pre-conditions:	Want to delete the ad that he publishes.	
Post-conditions:	Deleting the ad	
Flow of events:	User Action	System Action
	1- Choose the ad that he wants to delete.	1-system will delete the ad.
Exceptions:	None	
Includes:	None	
Notes and Issues:	None	



10. Chatting with the user

Use Case Name:	Chat	
Actor:	User	
Pre-conditions:	Want to communicate with people and make a deal with him.	
Post-conditions:	None	
Flow of events:	User Action	System Action
	1- Choose the user that want to make a deal with.	1-open the chat tab of this user.
Exceptions:	None	
Includes:	None	
Notes and Issues:	None	