



Palestine Technical University – Kadoorie

College of Engineering and Technology

Department of Computer Engineering

Course name: Software Engineering

Project title:

Zay shop

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Abstract:

This project mainly focuses on people who face problems in going to markets to buy their needs, and sellers who face difficulties in promoting and displaying their goods to people outside the city, due to the current situation and the difficulty of movement and going to markets. Therefore, this application “Zay Shop” was created to be an integrated electronic platform used by buyers and sellers. Each user has a different view of the system, depending on their needs in terms of their roles in the system. buyers use the system to buy the goods they need and save time and effort. Also, online products may be available in larger designs, so the buyer can bring his needs faster than going and buying something. Sellers use the system to add the goods he wants without a limited number, monitor the buying and selling, and provide the shop rent. sell their products and increase their profits.

الملخص:

يمكن تعريف المتجر الإلكتروني زاي شوب عبارة عن صفحات إلكترونية صممت خصيصا لبيع و عرض المنتجات و الخدمات الخاصة عبر شبكة الإنترنت بسبب المتاجر الالكترونية أصبحت عمليات الشراء عبر الإنترنت أكثر سهولة و تحررا بنسبة للمشتري ، حيث ان زاي شوب أتاح للمستخدمين مميزات كثيرة جدا مثل السهولة في عمليات الشراء في أي وقت و بدون الحاجة إلى الخروج من المنزل، و يتيح لك سهولة عرض منتجاتك بشكل افضل و جذاب مما يزيد من بيع منتجاتك بكل سهولة و يسر ، و يوفر الكثير من الوقت و الجهد على المشتري حيث يمكن للمشتري شراء أي منتج في أي وقت بدون النظر إلى مواعيد العمل على عكس المتاجر التقليدية حيث انه يكون مقيد بمواعيد عمل رسمية.

حيث ان زاي شوب صديق لمحركات البحث من خلال هذه الميزة يستطيع جلب العديد من الزيارات لمتجرك من محركات البحث المختلفة و بالتالي ضمان وصول عدد كبير من العملاء إلى متجرنا الإلكتروني كما يتيح هذا المتجر اضافة عدد منتجات غير محدودة بداخله.

CHAPTER 1 – INTRODUCTION

1.1 PROBLEM STATEMENT

Our project “Zay shop” focuses on solving the problem facing buyers to go to shops and markets to buy their needs , especially in the current conditions in Palestine, including difficulty of movement, barriers, and a waste of time and effort , and sellers who face difficulties in promoting and displaying their goods to people outside the city , Therefore, this application was created to be an integrated electronic platform used by buyers and sellers.

1.2 OBJECTIVES

The goal of our project is to simplify the buying and selling process for both parties, the seller and the buyer. Therefore, we created and developed our project “Zay shop”. For the selleres , profits are increased, and for the buyer, buy the goods they need and save time and effort .

1.3 TARGET GROUP

vendors.

buyers.

CHAPTER 2 – REQUIREMENTS DEFINITION

2.1 Functional requirements

1- Customer's functional requirements

1.1- Open the site:

It requires the user to enter the site so that he can then access all the available options, benefit from, and deal with them.

1.2 -Browse services:

After entering the site, all services become available, and the user can navigate between them, learn about them, and benefit from them.

1.3- See details:

In the event that the user finds the service he was looking for, he can then view the service details and find out all the details if they meet his requirements.

1.4- Services evaluation:

After the customer uses the services, he can enter the site to evaluate the extent to which he benefited from this service and whether it met his requirements or not.

1.5- Submit a complaint about services:

After the customer uses the services, if he encounters any problem with any service, he can file a complaint about that service.

2 -Vendor functional requirements

2.1- Create an account:

In order for the employee to be able to use the site, he must first create an account for him that includes the username and password so that he can enter the site through them.

2.2- sign in:

After the employee has their own password and username, he can use them to enter the site and deal with it .

2.3- Service modification request:

In the event that the seller wants to modify his service and add features to it or remove features from it, he can submit a request that reaches the site manager so that he amends the request for his own service.

2.4- Add a service:

In the event that the seller wants to add a special service in it, he submits a request to the site manager in order to add this service to the site.

2.5- Delete a service:

The seller can submit a request to the site manager to delete a service for him if he does not want this service to remain available within the site

3- Site manager functional requirements

3.1- sign in:

When the site manager wants to access his site, he must log in using the username and password.

3.2- Login to the administration page:

After the site manager enters the site, in order for him to carry out his tasks, he must enter the administration page (which is the page that allows him to perform the operations and tasks required of him)

3.3- Add a Vendor:

After entering the management page, there is an icon for editing the vendor that the seller submitted a request to edit.

3.4 Edit a Vendor:

After entering the management page, there is an icon for removing the vendor that the seller submitted a request to remove.

3.5 Remove a Vendor:

After entering the management page, there is an icon for removing the vendor that the seller submitted a request to remove.

3.6- Receipt of evaluation:

The site manager can receive the evaluation that the customer evaluated for the services.

3.7- Receipt of complaints:

The site manager can receive the complaints and objections raised by the customer about the services in order to take the appropriate action in this regard.

2.2 Non-functional requirements

1- Availability 7/24 :

This is to make sure there is very low downtime of the database server and assuring the system is always available and ready(Continuous support and availability 24 hours a day, seven days a week).

2- Reliability:

Since lot of calculations are involved, higher reliability of the system is highly expected by the users. System should be able to perform all the relevant functions and produce correct output.

The site manager can receive the complaints and objections raised by the customer about the services and after the customer uses the services, if he encounters any problem with any service, he can file a complaint about that service.

3- Performance:

how quickly the content of a website is downloaded and displayed on the user's web browser Magnification and compression are two keys ways to improve the speed, so we compress the all images

Keep optimizing and refining your website's performance based on user feedback and analytics data. Monitor performance metrics, identify areas for improvement, and implement iterative optimizations to ensure a smooth user experience.

4- Robustness:

Meaningful error messages will be appearing when incorrect data is fed in, allowing the user to understand the problem.

5- Appearance and Interactive Website:

Should be more attractive and interactive. Appearance of the site should be beautiful and the visitors should not feel bored to visit the site, we should choose a beautiful colors and design.

6 -The possibility of browsing from any software on the client side:

Any customer can access the site, whether using a phone, computer or iPad, from any browser he uses.

Web Standards Compliance: we should develop our website according to web standards and best practices. Adhering to standardized HTML, CSS, and JavaScript coding practices will help ensure compatibility across different software and platforms.

7 -Save time:

By providing shopping services, customers are able to state their order by using few clicks of mouse and few search keywords thus saving their valuable time. This will increase customer satisfaction by speeding up their shopping.

8 -The system will be a Web page:

Skills: Html, CSS, Bootstrap, JavaScript.

CHAPTER 3 – SOFTWARE DIAGRAMS

Uml diagrams

3.1 Use case diagram

Use case name	Description
Open the site	This use case allows Login to the website page
Browse services	This use case allows View and browse the services available within the site
See details	This use case allows View the details of the services available within the site
Services evaluation	This use case allows By sending an evaluation about the services available within the site
Submit complaints	This use case allows By sending a complaint about the services available within the site
sign in as a vendor	This use case allows Log in to the site as a vendor.
Service modification request	This use case allows The vendor may request an amendment to the services he owns
Service removal request	This use case allows The seller submits a request to delete a service whose owner it is
Request to add a service	This use case allows The seller offers to add a service to the site.
sign in as a site manager	This use case allows Log in to the site as a site administrator.
Log in to the administration page	This use case allows The site administrator may enter the administration page to make decisions and amendments
Staff management	This use case allows For the site manager to control the staff.

Order processing	This use case allows To the site manager in processing requests that have been submitted to him by vendors.
service modification	This use case allows For the site manager to process modification requests for services that have been provided by vendors.
Add a service	This use case allows The site manager in processing requests to add services that have been provided by sellers.
Remove a service	This use case allows The site manager in processing requests to delete the services that were provided by the sellers.
Receive the evaluation	This use case allows The site manager receives user evaluations of the services.
Receive complaints	This use case allows The site manager may receive user complaints about the services.

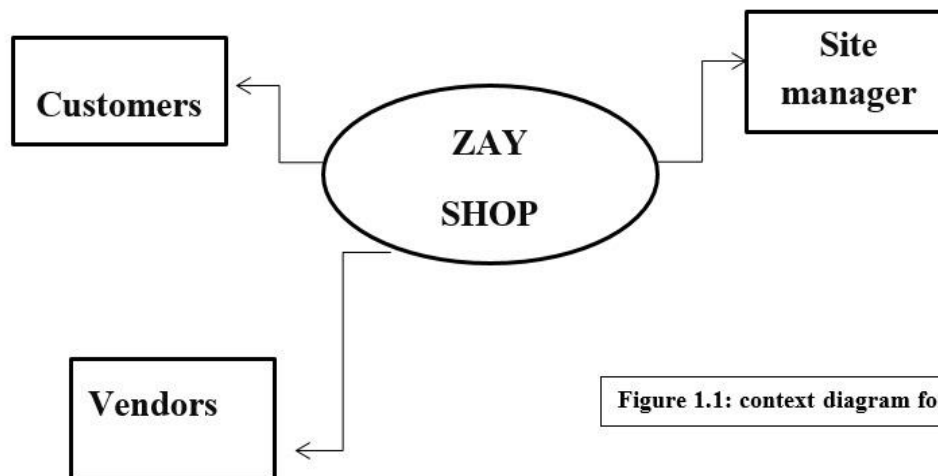


Figure 1.1: context diagram for zay shop

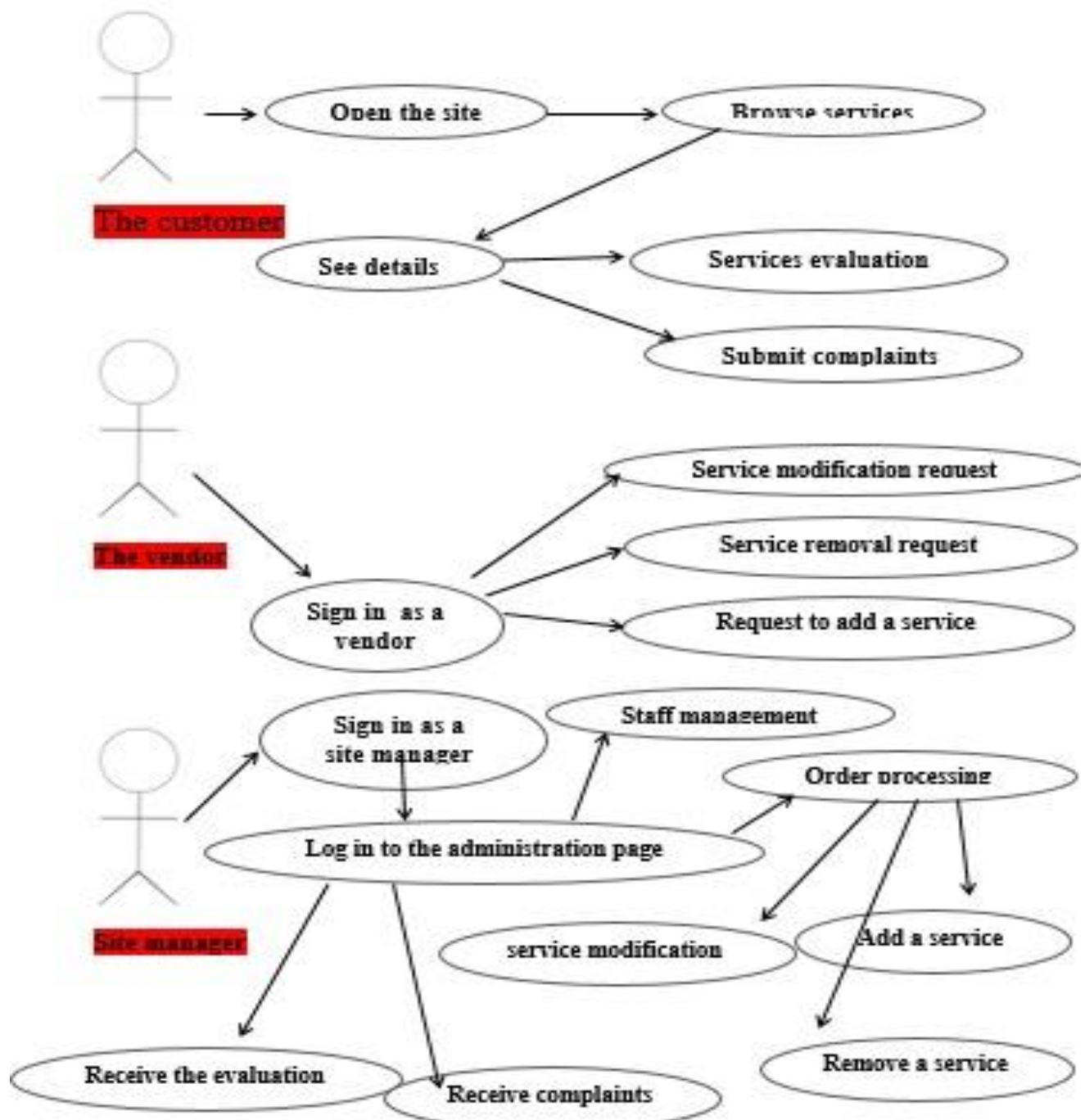


Figure 1.2: use case diagram for zay shop

3.2 sequence diagram

- 2.1- Graph of customer browsing for services.
- 2.2- Diagram of the registration process (for the vendor and the site manager).
- 2.3- Diagram of the process of entering the site (for the vendor and site manager).
- 2.4- A diagram of the vendor request to add a service .
- 2.5- Diagram of the vendor request to modify service .

browsing for services

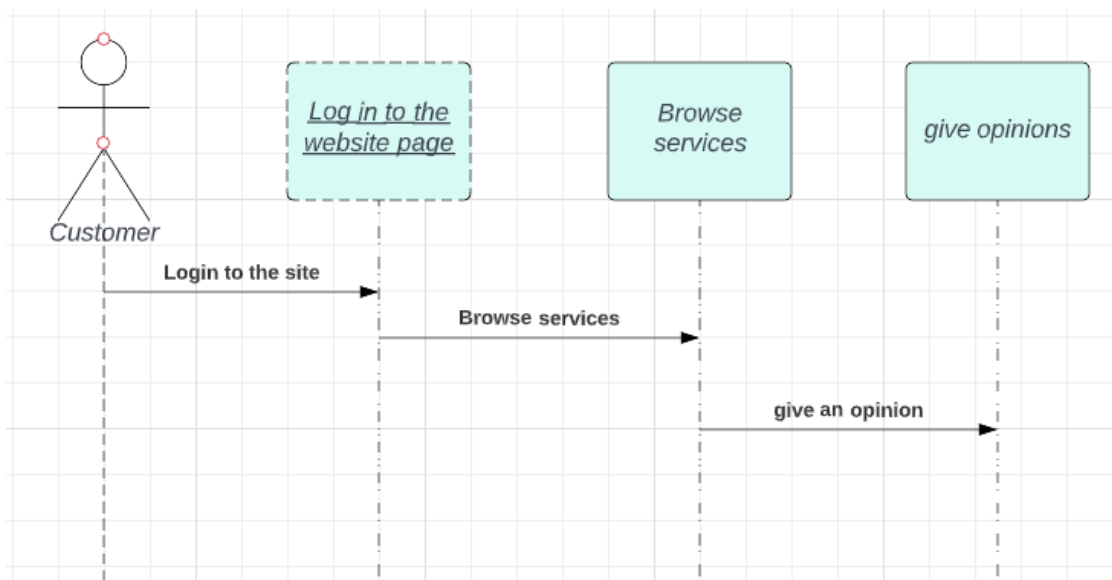


Figure 2.1: browsing for services sequence diagram.

Registration process

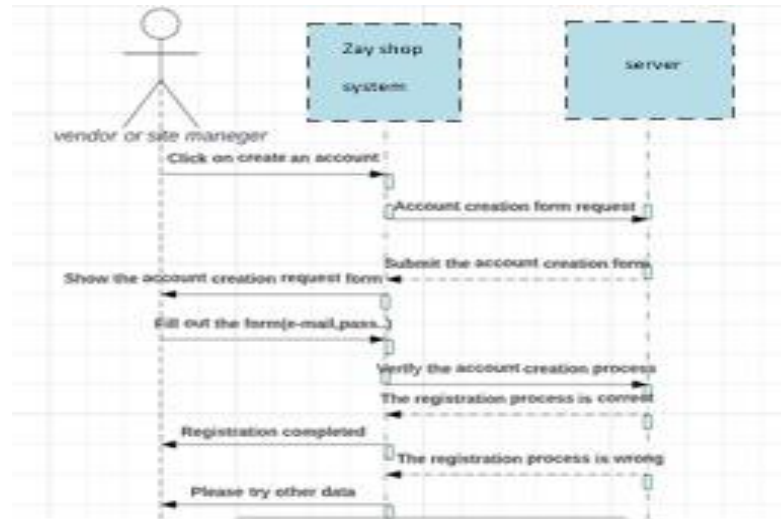


Figure 2.2: registration process sequence diagram.

Login:

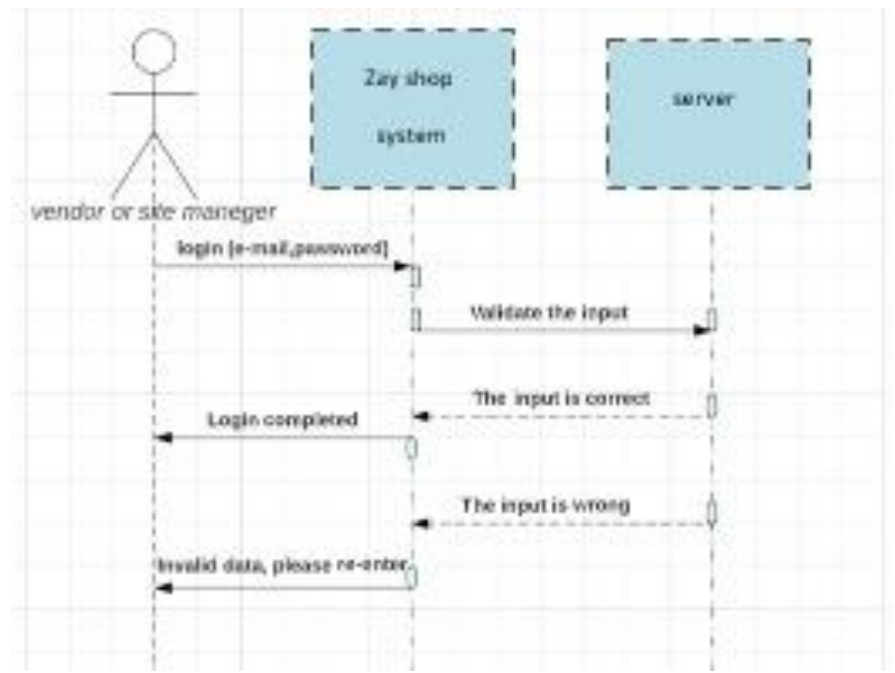


Figure 2.3: login sequence diagram.

Request to add a service

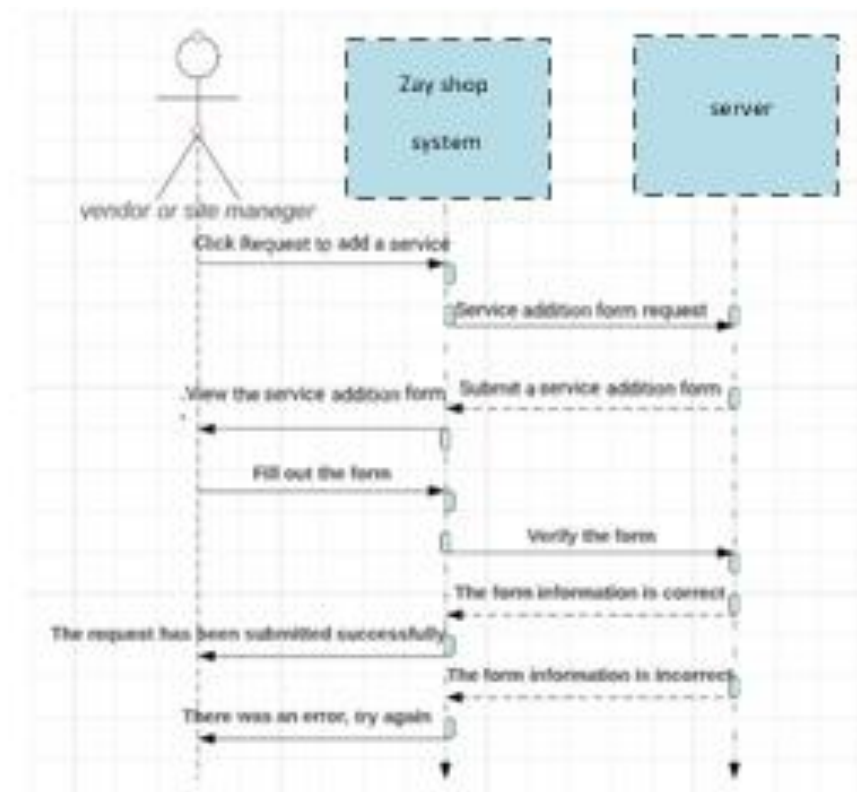


Figure 2.4: request to add a service sequence diagram.

Request to modify a service

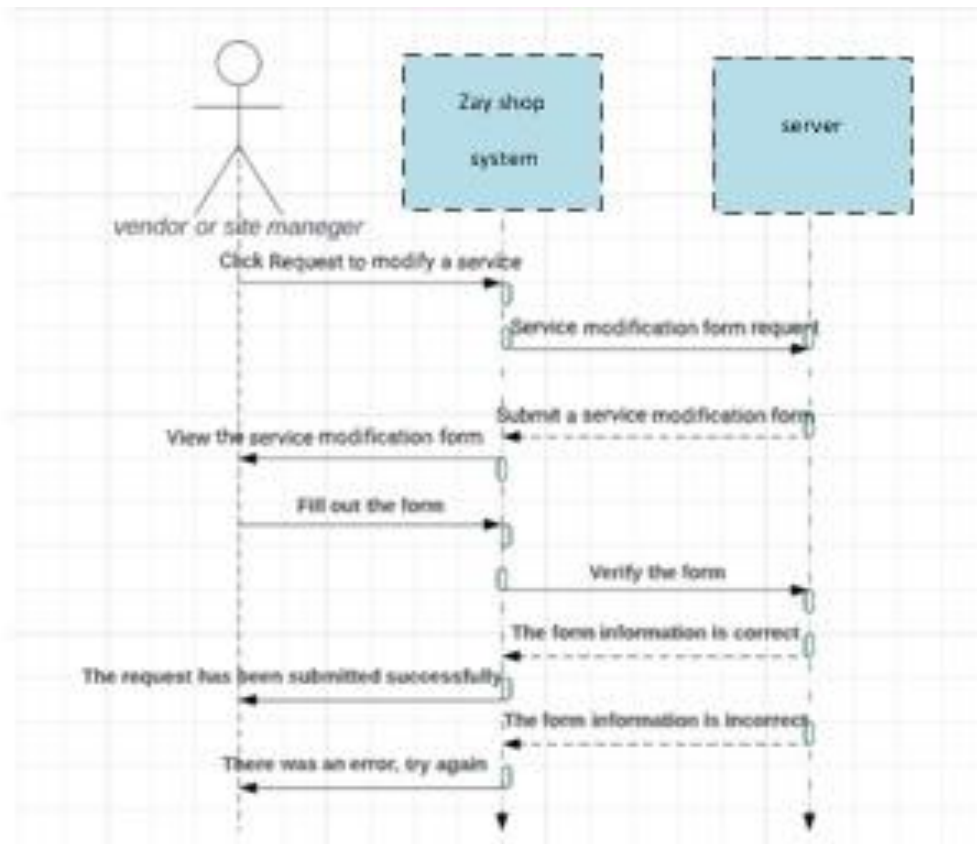


Figure 2.5: request to modify a service sequence diagram.

3.3 Class diagram

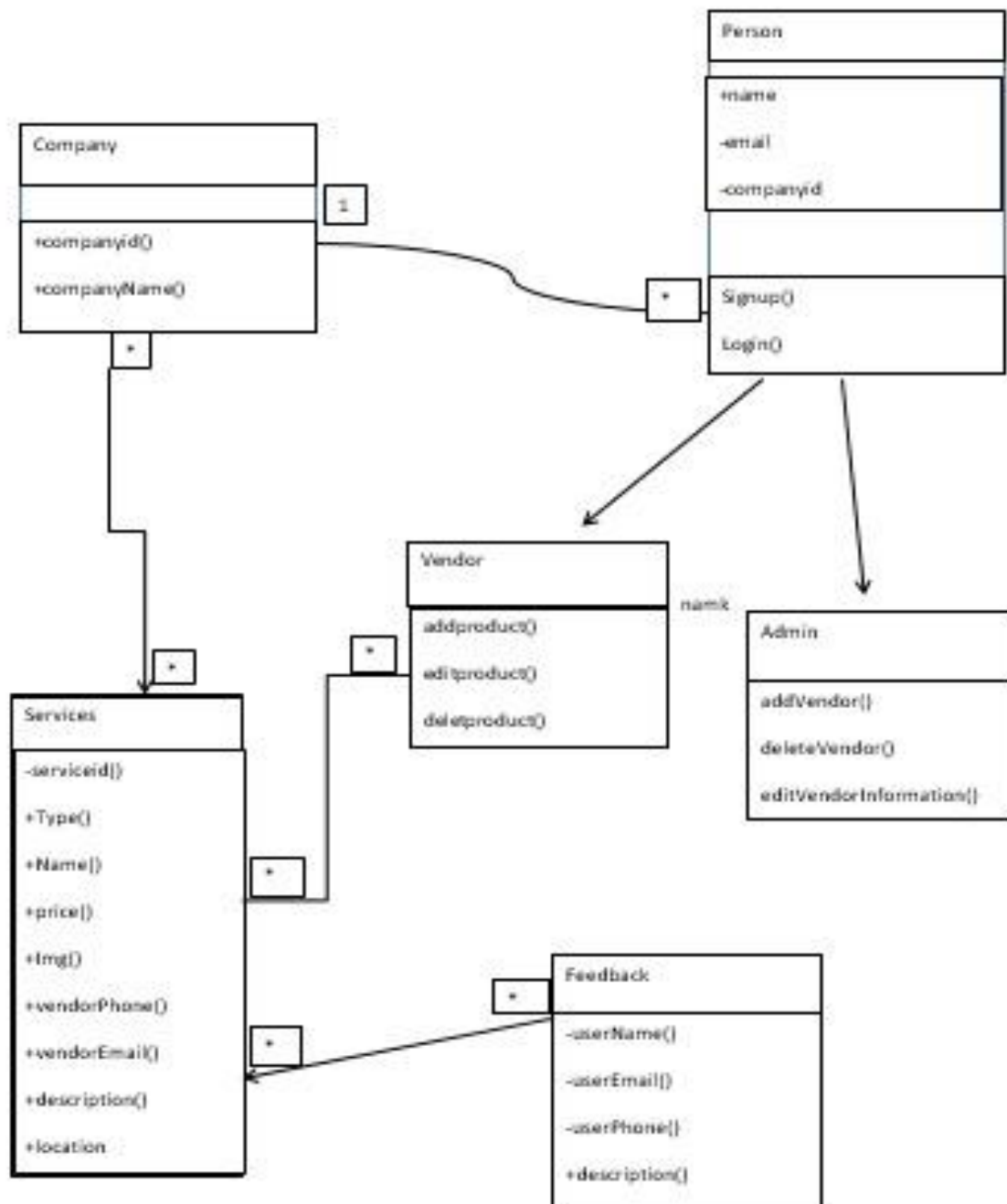


Figure 3.1: context diagram for zay shop.

الاعمال التي قمنا بها بالجزء النظري:

Ch1+ch3.1+abstract → raheeq shreem

Ch2+abstract → leen Samaneh

Ch3.2+ch3.3+abstract → nagham alhamaideh

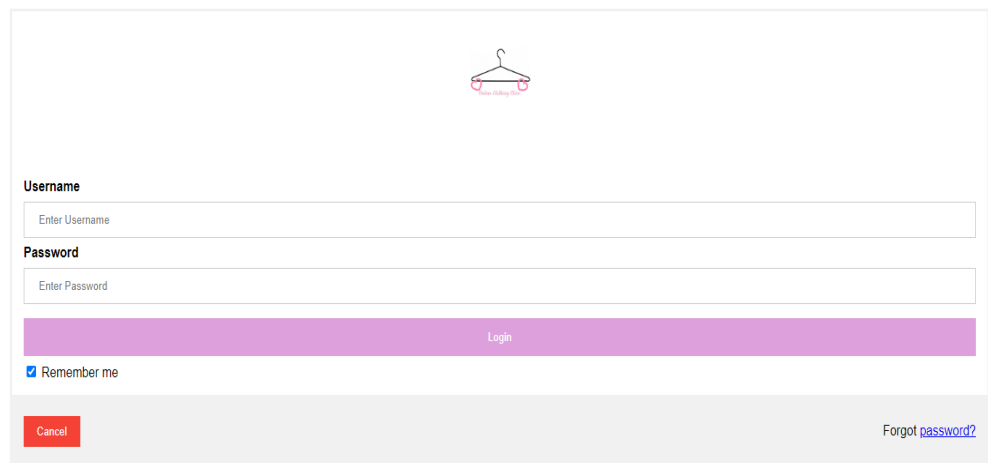
الاعمال التي قمنا بها بالجزء العملي

nav bar +log in → leen

header +first section → raheeq

lower section+footer → nagham

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<https://github.com/leenstitch>