Identify Attributes of Service Quality Factors and Other Factors Affecting Calla SPA Customer Satisfaction

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Abstract
This research aimed to identify the factors influencing customer satisfaction at Calla SPA, focusing on service quality attributes such as Tangibility, Reliability, Ability to meet expectations, and Assurance, as well as other factors like price and location of Calla SPA offices. Both qualitative and quantitative methods were utilized, including document research, in-depth interviews, group discussions, and surveys. Results indicated that service quality ($β_3$) had the strongest impact on satisfaction, followed by price ($β_1$) and location of the SPA ($β_2$). SPSS testing confirmed the reliability of the scale ($α = 0.70$ to $0.95$), with total correlation coefficients above $0.3$, KMO values between $0.5$ and $1$, and significance levels (Sig) below $0.05$. These findings provide a foundation for Calla SPA’s management to enhance customer satisfaction through service quality improvements, thereby aiding in market share retention, market expansion, and revenue growth. Furthermore, the research contributes to the theoretical understanding of service quality and customer satisfaction within the SPA industry.

Keywords: Spa Beauty, Service quality, Price, Location, Satisfaction, Calla Spa.

JEL Classification: M1, M19, M31

1. Introduction
Customer satisfaction with service quality has been a concern of many researchers, scholars and businesses. Researchers such as Brady and Cronin (2001); Parasuraman (1988); Cronin and Taylor (1994); Van Nhan et al (2023); Nhan and Luc (2023) have conducted research on service quality with specific factors and attributes in many different fields. According to Kotler and Armstrong (2010), Services are activities or benefits that businesses can devote themselves to customers in order to establish, strengthen and expand long-term cooperative relationships with customers. Good service quality that meets customer requirements will bring customer satisfaction (Van Nhan et al., 2023). Service quality is a strategic tool in business operations of company (Nhan et al., 2023).
In today's beauty SPA service industry, demand is increasing rapidly, women's beauty needs play an important role (Sari, 2017). Because of the massive opening of SPA services, high requirements for service quality from customers force customers to choose a beauty unit for themselves. Satisfaction is the result of the balance between benefits and costs incurred by the product (Nhan et al., 2023); (Sirgy et al., 2006); (Thúy vân et al, 2023). Therefore, customers will choose units that provide good services and meet their expectations to use the service (Indah, 2019).

With Calla SPA's current operations, the number of customers coming in is 300 in the third quarter of 2023 and 350 in the fourth quarter of 2023 (of which 100 return customers, accounting for 35%). In the morning of the first quarter of 2024, the number of visitors is 200 (return visitor rate is 4%). Thus, it can be seen that the number of returning visitors is decreasing.

Based on data recorded from Calla Spa's customer care department, (2023) on feedback about calla spa's service quality, feedback about prices being too high or parking location being uncomfortable. Therefore, the author conducted this research with this goal (1) Find out the factors that affect customer satisfaction at Calla SPA. (2) Explore the relationship between those factors and customer satisfaction in the SPA field. Thereby, improving customer satisfaction with the service quality of calla SPA facilities and the results of this research will partly help managers and leaders of SPA businesses have more advanced solutions. satisfaction. of customers through the service quality of SPA.

2. Literature Review and Hypothesis
2.1. Product price
According to Sihombing et al., (2023). Price is the value of the product that brings the brand image to the company and is also the final value of consumer behavior related to purchasing decisions and services. and can refer to products that deliver experiences and create value as well as generate positive feedback from customers. With Kotler, Philip and Kevin Lane Keller. (2012). The price of a product or service is the value that a customer exchanges for the benefit of purchasing or using the good or service that is still realized by the buyer and seller through agreements or fixed by the seller at a level Same price for all buyers. Price is determined based on attributes such as (1) Affordable price; (2). Conformity of price with service quality; (3) Power of price; (4) Correspondence between price and benefits. Thus, Price is the overall sacrifice a consumer is willing to make to obtain a particular product or service (Tjiptono, 2017). With Achrol & Kotler (2016) said that price is the amount of money paid for a product or service or the total value that customers exchange to obtain benefits from owning or using the product service. Based on the above statements, hypothesis H1 is:

H1: Product price positively affects customer satisfaction.

2.2. Business location SPA
Business location plays a very important role in reaching customers, expanding markets in business operations, it directly impacts the company's sales, survival and development. businesses (Van Nhan et al., 2023). According to Kotler (2012) different locations or areas of operation of the business will make the items produced or sold meaningful and accessible to the target market. Choosing a location plays the most important role in starting a service or product business and ensuring long-term success. Location is especially important with foot traffic, accessibility, atmosphere and the right clientele. Tjiptono (2019) introduced indicators to measure location fit including attribute factors (1) Visibility refers to the distance consumers visit the company; (2) Parking area, with convenient parking; (3) Environment is the condition and state of the environment surrounding the company. With the above statements, hypothesis H2 is:

H2: Business location positively affects customer satisfaction.

2.3. Service quality
Service quality lies in the quality of products and services, expressed through customer satisfaction. Customers form their perceptions of service quality on the basis of performance evaluations at multiple levels and ultimately combine these evaluations to arrive at an overall perception of service quality.
quality (Brady and Cronin et al. events, 2001); (Van Nhan et al., 2023); (Nhan et al., 2023). With scholars Parasuraman et al. (1985) proposed five basic dimensions of service quality and service quality is a comparison between two main factors: customer perception of actual service received, perceived service and service quality. expectation. If the actual service is better than expectations then the service is of high quality, if the actual service meets the requirements then it is considered satisfactory, if the actual service does not meet expectations then the service is considered satisfactory, is of low quality (Parasuraman et al., 1998). On the other hand, with Tjiptono (2015), service quality is seen in issues such as (1) Tangibility is the external expression of administrative qualities, which can be offices, hardware, staff and actual correspondence. (2) Specific capacity for reliability to demonstrate or perform management that has been demonstrated to be consistent and reliable. (3) Responsiveness, especially willingness to help customers and provide appropriate support. (4) Assurance, especially information, courtesy and representative competence to provide confidence and certainty to the customer so that the customer has a feeling of trust or security. (5) Consensus Empathy is personal concern or understanding of the customer. For Van Nhan and Thuy Van (2023), service quality is viewed according to factors and attributes (1) Attitude (Friendly; Caring; Ready; Listening); (2) Tangible (Uniforms; Facilities; Modern equipment; Product appearance); (3) Experience (Exciting; Great; Positive; Comfortable); (4) Technology (Reduce time; Complex products; Improve product accuracy; Sufficient contact information; Product simulation); (5) Design (Impression; Expectation; Quality; Creativity; Surprise); Thus, it can be seen that service quality will be perceived and evaluated by customers based on implementation at many different levels. Today, increasing competition in the market has caused many companies to consider service quality as a strategic tool in their operations (Van Nhan et al., 2023). Service quality can differentiate an organization from other organizations and it will ultimately give the organization a competitive advantage (Kartika et al., 2020); Tjiptono (2015). Therefore, hypothesis H3 is:

**H3: Service quality positively affects customer satisfaction.**

### 2.4. Satisfaction

Satisfaction is a consumer's satisfied response to a perceived feature of a product or service, or the product or service itself has provided (or is providing) (Van Nhan et al., 2023). The level of satisfaction related to consumption includes the level of undersatisfaction or oversatisfaction. For Kotler et al. (2009), customer satisfaction develops when customers compare the perceived value of a service against their expectations (Kotler et al., 2009). Customer satisfaction is closely linked to service quality (Cronin et al., 2000). According to Panjaitan (2016), customer satisfaction and loyalty are measured through attribute factors such as (1) Meeting service quality expectations; (2) Satisfaction compared to similar products and (3) No complaints or complaints.

In short, customer satisfaction plays a very important role in business operations, especially SPA businesses, it greatly affects business performance and business profits. Therefore, customer satisfaction is the main determining factor ensuring the success or failure of a business (Nhan and Van, 2023). Customer satisfaction is assessed after purchase and based on the experience of consuming the product or service (Van Nhan et al., 2023); (Mittal and Kamakura, 2001); (Zeithaml and Bitner, 2006). Satisfaction is closely related to the sustainable development of the industry because it is a measure of the service provided (Cronin et al., 2000).

### 2.5. Research hypothesis and model proposal

With the above research presentations and hypotheses, they are summarized in Table 1 and Figure 1 below.

<table>
<thead>
<tr>
<th>Table 1: Summary of Hypothesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1</td>
</tr>
<tr>
<td>H2</td>
</tr>
<tr>
<td>H3</td>
</tr>
</tbody>
</table>
Model proposals

With the above research presentations and hypotheses. The research model proposed by the authors is as shown in Figure 1 below:

Figure 1. Proposes a research model

3. Data and Method
Van Nhan and his colleagues combined qualitative and quantitative research methods in this study. With qualitative research, we use a set of research questions using the interview method, followed by group discussion and building a proposed research model.

With quantitative research, conduct a survey with customers of Calla SPA in Dong Nai province and Ho Chi Minh City. The scale used by the author is a 5-point Likert scale, surveyed with an infinite number of customers, and selected valid responses. The software used is SPSS to check the reliability of the scale and analyze multiple linear regression data.

3.1. Alpha Reliability Cronbach's Alpha
Results of testing the reliability of the Service Quality, Price, Business Location and Satisfaction scales show that the scales all have Cronbach's Alpha coefficients in the range of $0.70 \leq \alpha \leq 0.95$ and the Corrected Item-Total Correlation coefficient of observed variables in each scale is greater than 0.3 ($> 0.3$). Therefore, the observed variables in each scale are correlated with each other and the scale is highly reliable.
3.2. T-Test

To determine the linear relationship between the independent variable and the dependent variable. The results obtained are shown in Table 2 as follows:

<table>
<thead>
<tr>
<th>Table 2. t-Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variables</td>
</tr>
<tr>
<td>------------------------</td>
</tr>
<tr>
<td>Constant</td>
</tr>
<tr>
<td>Service quality</td>
</tr>
<tr>
<td>Price</td>
</tr>
<tr>
<td>Business location</td>
</tr>
</tbody>
</table>

Source: The authors processed the data

With the results in table 2, we see that
- Service quality has Sig=0.041 < 0.05 and t-count = 2.076 > 1.99167. Thus, Service quality has an impact on customer satisfaction, and H1 is accepted.
- Price has Sig=0.043 < 0.05 and t-count= 2.062 > 1.99167. Thus, Price has an impact on customer satisfaction, and H2 is accepted.
- Business location has Sig=0.015 < 0.05 and t-count = 2.500 > 1.99167, so it can be concluded that business location has an impact on customer satisfaction, and H3 is accepted.

3.3. F-Test

To accurately evaluate model fit through hypothesis testing. To test the suitability of the regression model, the thesis author will hypothesize H0: R²=0. Consider the following two hypotheses:
- Hypothesis H0: Coefficient of determination R²=0
- Hypothesis H1: coefficient of determination R²≠0

If Sig<0.05, the author rejects the hypothesis H0, meaning that when R²≠0 is statistically significant, the regression model is appropriate. The results obtained are shown in Table 3 as follows:

<table>
<thead>
<tr>
<th>Table 3. F-Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content</td>
</tr>
<tr>
<td>------------------------</td>
</tr>
<tr>
<td>Regression</td>
</tr>
<tr>
<td>Residual</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

Source: The authors processed the data

Table 3 shows that the value F=10.247 at the significance level Sig=0.000 is very small (Sig=0.000 <0.05). And value F=10.247> Table F=2.72 Therefore, the author can conclude that R²≠0 is statistically significant, the regression model is appropriate, and there is an impact of service quality, price, business location to customer satisfaction.

3.4. Check the linear regression equation

The process of checking the multiple linear regression equation yielded results as shown in Table 4 as follows:

<table>
<thead>
<tr>
<th>Table 4: Testing results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content</td>
</tr>
<tr>
<td>--------------------------</td>
</tr>
<tr>
<td>Constant</td>
</tr>
<tr>
<td>Quality service</td>
</tr>
</tbody>
</table>
From the t-test process and the results obtained from the linear regression equation test recorded in Table 4 above, we can see the relationship between the independent variables (1) Service quality; (2) Price; (3) Business location; with the dependent variable being Customer Satisfaction. This is expressed by the following equation:

\[ CS=3.367+0.127\text{SQ}+0.167\text{PR}+0.294\text{BL} + e \]  

Note: Service quality (SQ); Price (PR); Business location (BL); Customer satisfaction (Cs).

The authors distributed 316 survey questionnaires and received 316 responses, of which 300 were valid responses. After coding and processing using SPSS and AMOS 20 software for analysis. The results of the SEM model are shown in Figure 2 below:

3.5. Regression results
The regression coefficients determined for the results are in Table 5 below:

<table>
<thead>
<tr>
<th>Model</th>
<th>R</th>
<th>R Square</th>
<th>Adjusted R Square</th>
<th>Std. Error of the Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.537a</td>
<td>0.288</td>
<td>0.260</td>
<td>1.465</td>
</tr>
</tbody>
</table>

a, Predictors: (Constant), SQ, PR, BL
b, Dependent Variable: CS

With the results of Table 5, we see that the R Square value = 0.288, which means that the influence of service quality, price and business location on customer satisfaction is 28.8%. The other factor is 0.712 (71.2%) which means that 28.8% of customers are influenced by service quality, price and business location. And 71.2% of customers are influenced by other factors that were not mentioned in this study.

4. Discussion
The research process at Calla SPA mentioned in the article has identified independent factors affecting Calla SPA customer satisfaction. Includes (*) Service quality (has attributes (1). Tangibility is the external manifestation of administrative qualities, which can be offices, hardware, staff and actual correspondence. (2) Specific capacity for demonstrated reliability or management performance must be consistent and reliable 3) Responsiveness, especially willingness to help customers and provide (4) Assurance, especially information, courtesy and representative competence to provide confidence and certainty to the customer so that the customer has a feeling of trust or security is the customer's personal concern or understanding); (**) Price (with attributes (1) Affordable price; (2). Conformity of price with service quality; (3) Power of price; (4) Correspondence between price and benefits); (***) Business location (with attributes (1) Visibility refers to the distance consumers visit the company; (2) Parking area, with convenient parking; (3) Environment Environment is the condition and state of the environment surrounding the company.)
The research results have met the initial research objectives of (1) Explore factors affecting customer satisfaction when choosing to use services at Calla SPA and (2) Explore the relationship between those factors and customer satisfaction in the SPA field.

The F test result with F value = 10.247 at the significance level Sig = 0.000 < 0.05 will describe the appropriate scale. With the standardized beta coefficient $\beta_3 > \beta_1 > \beta_2$ Therefore, the factor that has the strongest impact on the dependent factor (satisfaction) is the valuable service quality factor ($\beta_3 = 0.127$), followed by is the price factor ($\beta_1 = 0.167$) and finally the location of the SPA center ($\beta_2 = 0.294$). Quantitative results show that the observed variables in each scale are correlated with each other and the scale is highly reliable.

To improve Calla SPA customer satisfaction, maintain stability and develop sales in business operations. Calla SPA needs to meet the balance between benefits and costs, Nhu Nhan and colleagues (2023) stated, Satisfaction is the result of the balance between benefits and costs that the product brings (Nhan et al., 2023) and Service quality is an important strategy in an enterprise's business operations (Nhan et al., 2023). With 28.8% of customers being influenced by service quality, price and business location. And there are another 71.2% of customers affected by other factors that have not had a chance to be mentioned in this study. With the researched data mentioned above, the authors propose the following solutions to improve customer satisfaction, help Calla Spa business maintain the stability of its current customer base, and expand its market to increase sales through new customers coming to Calla Spa.

5. Discussion and recommendations

5.1. Business location SPA
With the standardized beta coefficient, $\beta_3 > \beta_1 > \beta_2$ and the location of the SPA business center ($\beta_2 = 0.294$) are low. Thus, it can be seen that the chosen SPA business location of Calla SPA is suitable and convenient for customers. However, the observed attributes in the location factor also need to be improved to help facilitate and satisfy customers, such as the parking area needs to be safer and more spacious for customers and the parking area. The surrounding area of Calla SPA needs to be clean, without scattered trash to make customers feel comfortable. Need support to guide and help customers when parking. For motorbikes, someone needs to guide the vehicle into position instead of before, customers guided the vehicle into position themselves. For cars, there is someone to guide customers to park in the correct location, to avoid the situation where the customer has already started the car, but is asked to park it in another location, creating dissatisfaction for the customer.

5.2. Prices of SPA products and services
With the standardized beta coefficient, $\beta_3 > \beta_1 > \beta_2$ and the price factor ($\beta_1 = 0.167$) is in second place, having an impact on customer satisfaction. When considering the price factor at Calla SPA with the attributes (1) Affordable price; (2). Conformity of price with service quality; (3) Power of price; (4) Correspondence between price and benefits. The author feels that this is a factor that needs to be paid attention to. Calla SPA needs to promote consulting for customers to clearly understand the services they choose and the value customers will achieve, thereby helping customers clearly and deeply understand the value of benefits, which makes customers satisfied with the costs spent to use services at Calla SPA. And Calla SPA must ensure commitment to quality, benefits brought to customers when accepting to spend the corresponding costs, meeting the compatibility of price with service quality, meeting compatibility. Relation between price and benefits brought to customers.

Therefore, to avoid customer dissatisfaction when paying after using the service at Calla SPA. Businesses need to improve the customer contact skills and knowledge of employees in charge of consulting roles for customers. Advise customers to clearly understand the effectiveness and benefits received after SPA treatments. On the other hand, Calla SPA also needs to have a competitive pricing strategy suitable for each location and area where Calla SPA is located.
5.3. Service quality of Calla Spa
With the standardized beta coefficient, $\beta_3 > \beta_1 > \beta_2$ Therefore, the factor that has the strongest impact on customer satisfaction is the service quality factor with the value $\beta_3=0.127$. In terms of attributes observed in service quality factors such as Tangibility; Reliability; Responsiveness; Assurance and Care, Calla SPA needs to improve and enhance aspects of service quality in terms of aspects. Because based on the t-test results, Service Quality has Sig = 0.041 < 0.05 and t-count = 2.076 > 1.99167, and thus, Service Quality has an impact on customer satisfaction. Further improvement in service quality needs to be noted in the aspects of further improving Calla Spa's administrative procedures, Calla Spa's display and decorative space, especially improving skills. Communication and consultation of Callá Spa staff with customers. The technician's ability plays an important role in creating customer satisfaction, which increases customer confidence in Calla Spa.

Calla Spa's responsiveness to customers, especially its willingness to help customers and provide appropriate support, consulting on solutions for customers to choose from, helps customers see their enthusiasm, the love and readiness that Calla Spa provides to customers. The important thing that needs to be improved and further enhanced is the assurance aspect, especially the information provided to customers is guaranteed and accurate, avoiding the case of advising on one content, but when proceeding, it drags out more information. Other contents, this causes customers to lose trust in Calla Spa, which will greatly affect the maintenance of operations in the future. When trust and certainty for customers are guaranteed, customers have a feeling of trust and security, giving customers satisfaction.

6. Conclusion
Above are the results of research and proposed to Calla Spa solutions to improve customer satisfaction of Calla Spa in Dong Nai and Ho Chi Minh City areas. Suggestions to improve service quality and create customer satisfaction, it will help Calla Spa leaders have a clearer view of operations, pricing strategy, and location of Calla office opening, Spa and service elements. Thanks to that, the Board of Directors makes the right decisions in Calla Spa's operating strategy.

This research is limited in the number of new customers, focusing only on the Dong Nai and Ho Chi Minh City areas, Vietnam, in order to understand the factors that affect customer satisfaction when choosing to use services at Calla Spa and find out the relationship between those factors and customer satisfaction at Calla Spa. In subsequent studies, scholars and researchers can inherit the results and select more related studies in the same industry to continue building a questionnaire with new factors. The number of samples in future studies needs to expand more and have wider coverage, expanding geographical space to achieve high results. Can be widely applied to spa centers and facilities in the future.

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References


