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Does Customer Relationship Management Affects Customer Satisfaction? Analysis of Findings from Jordanian Commercial Banks Dr. Atalla Fahed Al-Serhan¹ ¹ Al Albayt University Received: 16 December 2019 Accepted: 3 January 2020 Published: 15 January 2020

8 Abstract

⁹ The service industry has always more challenging and competitive because customers are

¹⁰ constantly demanding more services for less money. This has shifted organizations strategic

¹¹ plans and goals towards customer orientation and satisfaction. The importance of retaining

¹² existing customers and expanding business is paramount. Hence, efforts are laid by all the

¹³ firms towards maintaining sound relationship with customers. This process is known as CRM.

¹⁴ Customer Relationship Management or CRM is a customer oriented strategy for creating,

¹⁵ maintaining and expanding customer relationships.

16

17 Index terms— CRM, customer satisfaction, customer loyalty, banks.

18 1 Introduction

o safeguard a new or established business, it is necessary to understand what can lead to business failure and how
each obstacle can be managed or avoided altogether. The most common reasons businesses fail include a lack of
capital, inadequate management, a faulty business model, and inability to retain customers and maintaining good
relationship with them. The importance of retaining existing customers and expanding business is paramount
because the costs of finding new customers are five times more than retaining existing customers. Therefore, all
efforts are laid by the firms towards maintaining sound relationship with customers or CRM.

²⁵ 2 II. Customer Relationship Management

Customer Relationship Management is an approach for creating, maintaining and expanding customer relation-26 ships. It is a roadmap that identifies how a company can meet and exceed its customers' needs. The objective of 27 CRM is to predict, understand the demand of customers, developing and maintaining long-term mutually valuable 28 relationships. Customer relationship management (CRM) is all of the activities, strategies and technologies that 29 companies use to manage their interactions with their current and possible customers. CRM allows businesses 30 31 to become more efficient by automating and streamlining marketing campaigns and business analytics as well 32 as customer data. A business will be more successful if it can manage the relationships with its customers. 33 Customer relationship management (CRM) is a strategy to learn more about customers' needs and behaviors' in order to develop stronger relationships with them. 34 Customer relationship management is a customer oriented strategy which is responsible for accumulating and 35

³⁶ managing customer details in order to serve the customers in the present and future. It is a set of business practices ³⁷ to identify, verify, acquire, develop and maintain customer loyalty through providing appropriate product and ³⁸ services. The purpose of effective CRM strategy is to retain profitable customers. It is more of a business

philosophy than a technical solution to assist in dealing with customers effectively and efficiently.

40 **3 III.**

41 4 Literature Review

Ganesh (2015) examined that the impact of customer satisfaction and loyalty on customer retention practices 42 in the hotel sector. With the application of multi-stage sampling, 100 customers who used the hotel services 43 have been selected. The research concluded that the CRM practices are positively connected with customer 44 satisfaction in the hotel sector. Shaon and (2015) found that customer loyalty has a positive relationship to 45 customer satisfaction. CRM factors are supposed to have a significant impact on customer satisfaction and lovalty. 46 The study finds that quality-of-service positively affects customer satisfaction and customer loyalty. Wachira 47 and Were (2016) found the positive impact of customer relationship management (CRM) on the organisational 48 performance in Family Bank Limited. It has been recommended that there is a need for organizations to have 49 training and development that are directed at building strong customer relationships. Khan and Masood (2017) 50 examined the CRM practices in two insurance companies Bajaj and Birla. The sample size of the study has 51 been 152 customers. Data have been collected through personal interview and questionnaires and analyzed 52 with the application of independent sample t-test. Empathy, responsiveness, reliability, assurance, and customer 53 relations have been used as the variables of CRM. The analysis of the data revealed that significant variation 54 exists in CRM on the perception of customers in Bajaj Allianz and Birla Sun Life. Ayo-Oyebiyi, Ladokun, 55 and Taiwo (2019) evaluated the influence of CRM dimensions on bank performance with the application of 56 multiple regression analysis. Longterm relationships with customers, joint problem-solving, information sharing, 57 customer satisfaction, deposit mobilization, profit level were the dimensions used by the researchers. The research 58 59 highlighted that CRM strategies used by Zenith bank have tremendously helped its deposit mobilization and profit 60 level. The research further recommended that banks should regularly analyzed customer complaints and should 61 be actively involved in supporting organizational change and should incorporate technological capability and innovative processes to meet their customers' expectations. Qasem, Abukhadijeh, AlAdham, (2017) examined 62 the impact of CRM Activities on bank's customer retention in Jordan. The sample was collected from (405) 63 customers of Jordanian banks with application of random sampling method. Positive relationship between CRM 64 Activities and Attitudes of bank's customers has been revealed in the study. 65

66 **5** IV.

67 6 Research Gap

The review of literature highlights that numerous studies have been carried out on CRM practices across the 68 globe. A large number of studies examined the impact of CRM practices on customer satisfaction. Some have 69 70 examined the impact of CRM practices on customer loyalty, and some have examined the effect of CRM practices 71 on customer retention. Besides, researches have also been found on e-CRM and customer loyalty. Finally, the 72 present research has been conducted to examine the impact of customer relationship management on customer satisfaction and customer loyalty. Therefore, this research is different from earlier researches because it has 73 measured the impact on customer satisfaction as well as on customer loyalty in banking industry of Jordan. 74 V. 75

76 7 Problem Statement

Under the modern era, customer is king as against the traditional phenomena where seller was considered as 77 king. Therefore, satisfaction and retention of customers is paramount. Retention of customers will be impossible 78 79 if sound relationship does not exist between the firm and customers. Therefore, the term like CRM has come into existence and becomes popular in today world. Customer relationship is a big asset for all firms, because the 80 more relationship a firm can develop, the greater are its assets. However, understanding the customer is not easy, 81 because every customer have different satisfaction levels of every product and service. So far service industry 82 is concerned, it is very difficult because the customer is not become the owner of the product. The purpose of 83 this study is to further understand the important parts of CRM and examines the impact of CRM on customer 84 satisfaction and on customer loyalty. 85

86 **8** VI.

Objectives of the Study 1. To evaluate the impact of CRM on customer satisfaction in selected Jordanian banks.
2. To examine the impact of CRM on customer loyalty in selected Jordanian banks.

89 VII.

90 9 Hypotheses Development

H 01 : There is no significant impact of CRM practices on customer satisfaction in selected banks. H a1 : There
 is a significant impact of CRM practices on customer satisfaction in selected banks.

H 02 : There is no significant impact of CRM practices on customer loyalty in selected banks. H a2 : There
 is a significant impact of CRM practices on customer loyalty in selected banks.

H 03 : There is no significant variation in customer satisfaction across selected banks. H a3 : There is a
 significant variation in customer satisfaction across selected banks.

H 04 : There is no significant variation in customer loyalty across selected banks. H a4 : There is a significant
 variation in customer loyalty across selected banks.

⁹⁹ 10 Research Design

100 VIII.

¹⁰¹ 11 Population and Sampling

The population of the study includes all customers of selected banks. With the application of random sampling, a total of 600 questionnaires were distributed among the customers of selected banks.

104 **12 IX**.

105 13 Data Collection

106 Data collection is done after defining the research problem and laying out the research design.

Data for this research was collected through well structured questionnaires designed on a five point likert scale (5-highly satisfied to 1-highly dissatisfied). The period of data collection was five months from August, 2019 to December, 2019. The questionnaire was pre tested many times.

110 X.

111 14 Data Analysis

Firstly, cronbach alpha has been used to examine the reliability of the data. Multiple regression has been used to analyze the results through Statistical Package for the Social Sciences (SPSS).

114 15 Customer Loyalty

115 Source: Designed by the researcher a) Service quality Service quality shows the consumer's judgment about an

entity's overall excellence. It is the deviation between customers' expectations for service performance prior to the

¹¹⁷ service encounter and their perceptions of the service received. Service quality examines the difference between

the perceived quality of services and actual quality of services If the customer does not get the service as he/she expected, he will not satisfy and hence the firm unable to maintain good relationship. It has been taken as one

component of CRM in the current research.

121 16 b) Relationship Development

Relationship development is concerned with maintaining long-term relationships with customers. It involves forming bonds with customers by meeting their needs and honoring commitments. Businesses following the principles of relationship development forge long-lasting bonds with their customers instead of focusing short-

term profits. As a result, customers trust these businesses, and the mutual loyalty helps both parties fulfill their needs. In this backdrop, the current research has been used relationship development as one component of CRM.

127 **17 c) Trust**

Trust must exist for a relationship to be successful. There is a direct relationship with trust and relationship development. Brand must work to earn trust. Every interaction is an opportunity to build relationships and nurture trust. Trust is stored and nurtured like money in a bank account. Firms are focusing on building much trust as possible with their customers and then to use it for the long term good of the business. Since relationship development has been used as one component of CRM, therefore trust has also used as another component of

133 CRM in this study.

¹³⁴ 18 d) Price Fairness

A price is considered fair if it guarantees that the sacrifice made by the buyer (meaning the amount of money paid) and the value of a good or service that the seller offers are equivalent. Price determines the future of the product, acceptability of the product to the customers and return and profitability from the product. It is a tool of competition. The current research has been used price fairness as one component of CRM.

¹³⁹ 19 Dependent Variables of CRM e) Customer satisfaction

140 It is a measurement that determines how happy customers are with a company's products. Customer satisfaction 141 is about meeting customer expectations as well as maintaining high perceived quality. Customer satisfaction is 142 inevitable to all firms in all industries. So far service industry is concerned; it is of more importance than others. 143 It is a sentiment resulting from appraising what have been delivered against what was expected, as well as the

decision to buy to satisfy a need. It is the level of total pleasure experienced by the customer. Satisfied customers

contribute to customer retention. It leads to fewer spending or more budgets to spend on other activities. It brings in more revenue and also word of mouth.

¹⁴⁷ 20 f) Customer Loyalty

Today's customer is no longer a passive acceptor of the product offered to him but is an active co-creator of the product /experience he expects. He is very choosy and well informed and knows what exactly he wants. If he is not happy, he has no sense of guilt in defecting. He is more eager to share his experiences with his family, friends, and relatives. It has been researched that losing one unsatisfied customer means losing up to 20 more customers

- 152 (both existing and prospective) because of their bad experience spreading through word of mouth. Thus customer
- 153 loyalty is a valuable asset for a firm. Customer loyalty is where a customer recommends and repurchases a brand 154 or product to others. It shows the actions of a customer who sticks to the same bank whenever it comes to such
- or product to others. It shows the actions of a customer who sticks to the same bank whenever it a decision. A loyal customer recommends the service to his/her friends, family, and relatives.

156 **21** XII.

157 22 Regression Model

Multiple regression has been used to estimate the regression line. The model of the study is: Y = ?0+? 1 X 1 +?159 2 X 2 +? 3 X 3 + ? 4 X 4 +e

Where, Y= customer satisfaction/ customer loyalty ?0 = Intercept X 1= Service quality X 2: =Relationship development X 3: = Price Fairness X 4: = Trust e = stochastic error term at time t XIII.

¹⁶² 23 Demographic Profile of the Respondents

Table 2 highlights the demographic profile like age, gender, and education of the respondents. A total of 600 questionnaires were distributed among the respondents. Table 2 shows that out of 442 respondents, 354 (80%) were males and 88 (20%) were females. Moreover, 119 (27%) were below the age of 35 years, 270 (61%) were within 36-50 years, and 53 (12%) were in the age group of more than 50 years. So far education of respondents is concerned, 314 (71%) hold a Bachelor's degree, 84 (19%) having Master's degree and 44 (10%) having doctoral degree. The above statistics revealed that the majority respondents have been male, falls in the age group of 36-50 years, married, and having a Bachelor's degree.

Table 3 shows the descriptive statistics of all the study variables. The highest mean value has been recorded on customer satisfaction whereas the least value has been found on price fairness. XIV.

¹⁷² 24 Reliability Analysis

Table 4 represents cronbach's alpha calculation for all statements. SPSS version 20 is used for testing reliability through cronbach's alpha coefficient. Alpha value of 0.6 is used as minimal accepted level as suggested by **??**Hair et al. 2010). Besides, the cronbach's alpha of all study variables is more than 0.6. Thus, the result in table 4 shows that the research instrument appears to be highly reliable for measuring the impact of CRM practices on customer satisfaction and customer loyalty and achieving other related objectives.

178 **25** XV.

¹⁷⁹ 26 Hypotheses Testing

180 H 01 : There is no significant impact of CRM practices on customer satisfaction in selected banks. H a1 : There 181 is a significant impact of CRM practices on customer satisfaction in selected banks Multiple regression analysis has been used to measure the impact of CRM practices on customer satisfaction. Table 5 shows the values of 182 adjusted R square, ANOVA, and regression coefficient, t value and significant value. The adjusted R square shows 183 the variation in dependent variable (customer satisfaction) due to various independent variables. The value of 184 adjusted R square is 0.789 which means 78.9 percent variation in customer satisfaction is explained by various 185 independent variables and rest of the variation (1-R 2) is an unexplained variation due to other variables that 186 are not used in this model. Moreover, the F value (ANOVA) is 224.595 (P<0.05). It means that all the variables 187 exactly fulfilled the criteria of model accuracy. Besides, the unstandardized beta coefficient on the service quality 188 variable is 0.552 which is positive and statistically significant (P<0.05). The regression coefficients on relationship 189 development and trust are also positive and statistically significant (P < 0.05). On the contrary, the regression 190 coefficient on price fairness variable is statistically insignificant (P>0.05). Hence, the null hypothesis stands 191 partially rejected and partially accepted. It can be said that there is a significant impact of CRM practices on 192 193 customer satisfaction in selected banks.

H 02 : There is no significant impact of CRM practices on customer loyalty in selected banks. H a2 : There is a significant impact of CRM practices on customer loyalty in selected banks. Multiple regression analysis has been used to measure the impact of CRM practices on customer loyalty. Table 6 shows the values of adjusted R square, ANOVA, and regression coefficient, t value and significant value. The adjusted R square shows the variation in dependent variable (customer loyalty) due to various independent variables. The value of adjusted R square is 0.661 which means 66 percent variation in customer loyalty is explained by various independent variables

and rest of the variation (1-R 2) is an unexplained variation due to other variables that are not used in this 200 model. Moreover, the F value (ANOVA) is 193.332 (P<0.05). It means that all the variables exactly fulfilled the 201 criteria of model accuracy. Besides, the unstandardized beta coefficient on the service quality variable is 0.447 202 which is positive and statistically significant (P < 0.05). The regression coefficients on relationship development 203 and trust are also positive and statistically significant (P < 0.05). On the contrary, the regression coefficient on 204 price fairness variable is statistically insignificant (P>0.05). Hence, the null hypothesis stands partially rejected 205 and partially accepted. It can be said that there is a significant impact of CRM practices on customer loyalty 206 in selected banks. H 03 : There is no significant variation in customer satisfaction across selected banks. H a3 : 207 There is a significant variation in customer satisfaction across selected banks. One way ANOVA has been applied 208 to examine variations in customer satisfaction across selected banks. Table 7 shows the results of ANOVA and 209 descriptive statistics. Arab bank has the highest mean value of 4.113 whereas the least mean value has been 210 recorded on Cairo Amman Bank. The F value is 158.223 and the significant value corresponding to it is 0.345 211 which is more than 0.5 and therefore null hypothesis stands accepted. It can be said that there is no variations 212 in customer satisfaction across selected banks. H 04: There is no significant variation in customer loyalty across 213 selected banks. H a4 : There is a significant variation in customer loyalty across selected banks. One way 214 ANOVA has been applied to examine variations in Customer loyalty across selected banks. Table 8 shows the 215 216 results of ANOVA and descriptive statistics. Bank of Jordan has the highest mean value of 4.237 whereas the least mean value has been recorded on Cairo Amman Bank. The F value is 211.044 which is not significant at 217 95% confidence level. Therefore, null hypothesis stands accepted and it can be said that there is no variations in 218 customer loyalty across selected banks. 219

220 **27** XVI.

221 28 Concluding Remarks

Customer relationship management is a customer oriented strategy which is used to identify, verify, acquire, 222 develop and maintain customer satisfaction through providing appropriate product and services. The objective 223 224 of CRM is to predict, understand the demand of customers, developing and maintaining long-term mutually 225 valuable relationships. The objective of the study is to examine the impact of CRM practices on customer satisfaction and customer loyalty in selected Jordanian banks. After a comprehensive literature review, it has 226 been found that different authors have used different variables for CRM. The current study has used four variables 227 of CRM namely service quality, relationship development, trust, and fairness of price on the basis of research 228 gap. Furthermore, customer satisfaction and customer loyalty have been used as dependent variables. The 229 research used both primary and secondary data. Major emphasis is laid on primary data collected with the help 230 of 600 questionnaires distributed among the customers of selected banks. The questionnaire was structured and 231 designed on a five point likert scale. The period of field survey was five months from August, 2019 to December, 232 2019.233

After collection of data, cronbach alpha has been used to examine the reliability of the data. The cronbach's 234 alpha of all study variables is more than 0.6 which highlights that the research instrument is highly reliable for 235 further analysis. Thereafter, one way ANOVA has been applied to examine variations in customer satisfaction and 236 customer loyalty across selected banks. The results of ANOVA revealed that there are no significant variations in 237 Customer satisfaction and customer loyalty across selected banks. It means that multiple regression can be run 238 on total sample as no variations across banks has been recorded. The results of multiple regression highlighted 239 that there is a significant impact of CRM practices on customer satisfaction and customer loyalty in selected 240 banks. 241

²⁴² 29 XVII. Limitations of this Study and

243 Directions for Further Research

The present study includes four dimensions of CRM like service quality, relationship development, trust, and fairness of price. However, many other dimensions of CRM might have been taken for future research. It is conducted on sample size of 442 customers using the services of selected Jordanian banks. Therefore, a big sample size might have been taken in future. Besides, it has examined the impact of CRM on customer satisfaction and customer loyalty in banking industry. In future, the impact can be measured on other industries.

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Figure 1:

1

No.	Selected Banks	Distributed	Questionnaires Rejected	Accepted	
1	Bank of Jordan	150	43	107	
2	Arab Bank	200	51	149	
3	Jordan Kuwait Bank	100	24	76	
4	Cairo Amman Bank	150	40	110	
	Total	600	158	442	
				Source:	25
				Primary Data	
XI.	Dimensions of crm				

Figure 2: Table 1 :

Figure 3: FRAMEWORK OF THE RESEARCH Customer Relationship management Service Quality Relationship Development Price Fairness Independent Variable Dependent Variables Trust Customer Satisfaction

$\mathbf{2}$

Attributes	Frequency	Percentage
	Age of the respondents	
20-35	119	27
36-50	270	61
Above 50	53	12
Total	442	100
	Gender of the respondents	
Male	354	80
Female	88	20
Total	442	100
	Education of the respondents	
Bachelor Degree	314	71
Master Degree	84	19
Doctorate Degree	44	10
Total	442	100
	Marital Status of the respondents	
Married	66	15
Unmarried	376	85
Total	442	100
		Source: Pri-
		mary Data

Figure 4: Table 2 :

3

Does Customer Relationship Management Affects Customer Satisfaction? Analysis of Findings from Jordanian Commercial Banks

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Dimensions Service Quality Relation-	Ν	Mean	SD 0.751 0.906
ship Development Price Fairness Trust	442	4.013	1.384 0.985
Customer Satisfaction Customer Loy-	442	3.978	0.765 1.032
alty	442	2.557	Source: Output
	442	3.779	of SPSS_
	442	4.259	
	442	4.314	
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			Journals

Figure 5: Table 3 :

$\mathbf{4}$

No.	Statements	Cronbach al-
		$_{\rm pha}$
1	Bank assures confidentiality of its customers	0.767
2	Front desk employees have professional appearance	0.982
3	Bank gives consistent service every time.	0.802

Figure 6: Table 4 :

$\mathbf{5}$

Model 1	CRM Variables	Regression Coefficients	t Value	P Value
X 1	Service Quality	0.551	-1.475	0.000
X 2	Relationship Development	0.433	3.541	0.007
X 3	Trust	0.397	-2.227	0.001
X 4	Price Fairness	0.022	-1.789	0.337
	Adjusted R Square		0.789	
	Standard Error		0.4512	
	ANOVA (Model Fitness) F Value		224.595^{*}	

Figure 7: Table 5 :

6

ModelCRM Variables		Regression Coef-	t Value	Р	
2		ficients		Value	
X 1	Service Quality	0.447	-2.105	0.000	
X 2	Relationship Development	0.376	1.773	0.002	
X 3	Trust	0.399	1.953	0.000	
X 4	Price Fairness	0.072	3.004	0.765	
	Adjusted R Square		0.661		
Standard Error ANOVA (Model Fitness) F Value Dependent Variable: Customer log			1.004		
		ıe	193.332^*		
		oyalty			

*Significant at 95% confidence level

Source: Output of SPSS $_20$

Figure 8: Table 6 :

7						
Banks	Ν	Mean	SD	SE	\mathbf{F}	P value
Bank of Jordan	107	3.990	1.004	0.553		
Arab Bank	149	4.113	1.332	0.901		
Jordan Kuwait Bank	76	3.876	1.049	$0.611 \ 0.772$	158.223	0.345
Cairo Amman Bank	110	3.664	1.044			
Total	442	3.911	1.315	0.709		
				*Significant at 9	5% confidence leve	el
					Source: Out	put of SPSS_20

Figure 9: Table 7 :

8

Banks	Ν	Mean	SD	SE	F	P value
Bank of Jordan	107	4.237	1.008	0.663		varue
Arab Bank	149	3.986	1.226	0.498		
Jordan Kuwait Bank	76	3.553	1.645	0.876	211.044	0.655
Cairo Amman Bank	110	3.337	1.234	0.775		
Total	442	3.778	1.278	0.703		

Source: Output of SPSS_20

Figure 10: Table 8 :

9

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