## TABLE OF CONTENTS

CERTIFICATE	
ABSTRACT	<b>ii</b> i
ACKNOWLEDGMENT	iv
TABLE OF CONTENTS	v
LIST OF FIGURES	vi
LIST OF TABLES	
1. INTRODUCTION	1
1.1 Background	1
1.2 About the mini project	2
2. REQUIREMENT SPECIFICATION	4
2.1 Hardware Requirements	4
2.2 Software Requirements	4
2.3 Functional and nonfunctional requirements	4
2.3.1 Functional requirements – User	5
2.3.2 Security Requirements	5
2.3.3 Performance Requirements	5
2.3.4 Design and Interface Requirements	5
3. INSTALLATION INSTRUCTIONS	7
3.1 Installing Firebase	7
3.2 Firebase configuration	8
4. ANALYSIS AND SYSTEM DESIGN	9
4.1 Analysis of system	9
4.2 Design of System	9

4.2.1 Architecture of system	9
5. IMPLEMENTATION	12
5.1 Frontend and Backend	12
5.1.1 Features of Frontend	12
5.1.2 Features of Backend	12
5.2 Discussion of code segment	13
5.2.1 Code Segment to establish connection with firebase	13
5.2.2 Code Segment of Login Page	14
5.2.3 Code Segment of Home Page	16
5.2.4 Code Segment of Payment Page	18
5.2.5 Code Segment of Checkout Page	22
6. TESTING	24
6.1 Testing	24
6.1.1 Unit Testing	24
6.1.2 Integration Testing	25
6.1.3 System Testing	26
7. Discussion of Results	28
6.2.1 Homepage	28
6.2.2 Login page	28
6.2.3 Cart	29
6.2.4 Checkout Page	29

7. INSTALLATION INSTRUCTIONS	30
7.1 Adding Firebase	30
8. CONCLUSION AND FUTURE ENHANCEME	ENTS 32
REFERENCES	33