



**WEB BASED EVENT TOCKET ORDERING  
INFORMATION SYSTEM  
FOR LSP XYZ**

**UNDERGRADUATE THESIS**

**Submitted as one of the requirements to obtain  
Sarjana Komputer**

**By:**

**ANISAHNUR OKTAVIANY PAMUNGKAS  
012201900007**

**FACULTY OF COMPUTER SCIENCE  
INFORMATION SYSTEM STUDY PROGRAM  
CIKARANG  
MARCH, 2023**

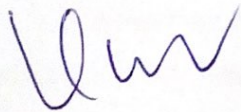
**Website-Based Event Ticket Ordering  
Information System  
for LSP XYZ**

**By**

**Anisahnur Oktaviany**

**012201900007**

**Approved:**



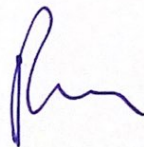
---

**Rikip Ginanjar, M.Sc.**  
**Final Project Advisor**



---

**Ronny Juwomo, S.Pd., M.T.**  
**Head of Information Technology**



---

**Rila Mandala, Ph.D.**  
**Dean of Faculty of Computing**

## STATEMENT OF ORIGINALITY

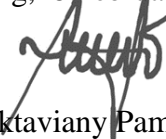
In my capacity as an active student of President University and as the author of the undergraduate thesis/final project/business plan stated below:

Name : Anisahnur Oktaviany Pamungkas  
Student ID number : 012201900007  
Study Program : Information System  
Faculty : Faculty of Computing

I hereby declare that my undergraduate thesis/final project/business plan entitled "**WEBSITE-BASED EVENT TICKET ORDERING INFORMATION SYSTEM FOR LSP XYZ**" is, to the best of my knowledge and belief, an original piece of work based on sound academic principles. If there is any plagiarism, including but not limited to Artificial Intelligence plagiarism, is detected in this undergraduate thesis/final project/business plan, I am willing to be personally responsible for the consequences of these acts of plagiarism, and accept the sanctions against these acts in accordance with the rules and policies of President University.

I also declare that this work, either in whole or in part, has not been submitted to another university to obtain a degree.

Cikarang, 18 February 2023



Anisahnur Oktaviany Pamungkas

**SCIENTIFIC PUBLICATION APPROVAL FOR ACADEMIC INTEREST**

As a student of the President University, I, the undersigned:

Name : Anisahnur Oktaviany Pamungkas  
Student ID number : 012201900007  
Study Program : Information System

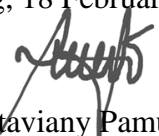
for the purpose of development of science and technology, certify, and approve to give President University a non-exclusive royalty-free right upon my final report with the title:

**WEBSITE-BASED EVENT TICKET ORDERING INFORMATION SYSTEM FOR LSP XYZ**

With this non-exclusive royalty-free right, President University is entitled to converse, to convert, to manage in a database, to maintain, and to publish my final report. There are to be done with the obligation from President University to mention my name as the copyright owner of my final report.

This statement I made in truth.

Cikarang, 18 February 2023

  
Anisahnur Oktaviany Pamungkas

**ADVISOR'S APPROVAL FOR PUBLICATION**

As a lecturer of the President University, I, the undersigned:

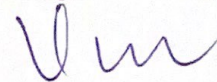
Advisor's Name : Rikip Ginanjar, M.Sc.  
NIDN : 20080800138  
Study program : Information System  
Faculty : Faculty of Computing

declare that following thesis:

Title of undergraduate thesis : Website-Based Event Ticket Ordering  
Information System for Lsp Xyz  
Undergraduate Thesis author : Anisahnur Oktaviany Pamungkas  
Student ID number : 012201900007

will be published in **journal / institution's repository / proceeding / unpublsh**

Cikarang, 18 February 2023

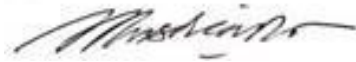


Rikip Ginanjar, M.Sc.

## PANEL OF EXAMINER APPROVAL

The Panel of Examiners declare that the undergraduate thesis entitled **Web Based Event Ticket Ordering Information System for LSP XYZ** that was submitted by Anisahnur Oktaviany majoring in Information System from the Computing Faculty was assessed and approved to have passed the Oral Examination on 07 – 03 – 2023

### Panel of Examiner



**Rusdianto Roestam MSc., PhD.**

**Chair of Panel Examiner**



**Rosalina, S.Kom., M.Kom.**

**Examiner I**

# Web Based Event Ticket Ordering Information System for LSP XYZ

## ORIGINALITY REPORT

19%

SIMILARITY INDEX

19%

INTERNET SOURCES

3%

PUBLICATIONS

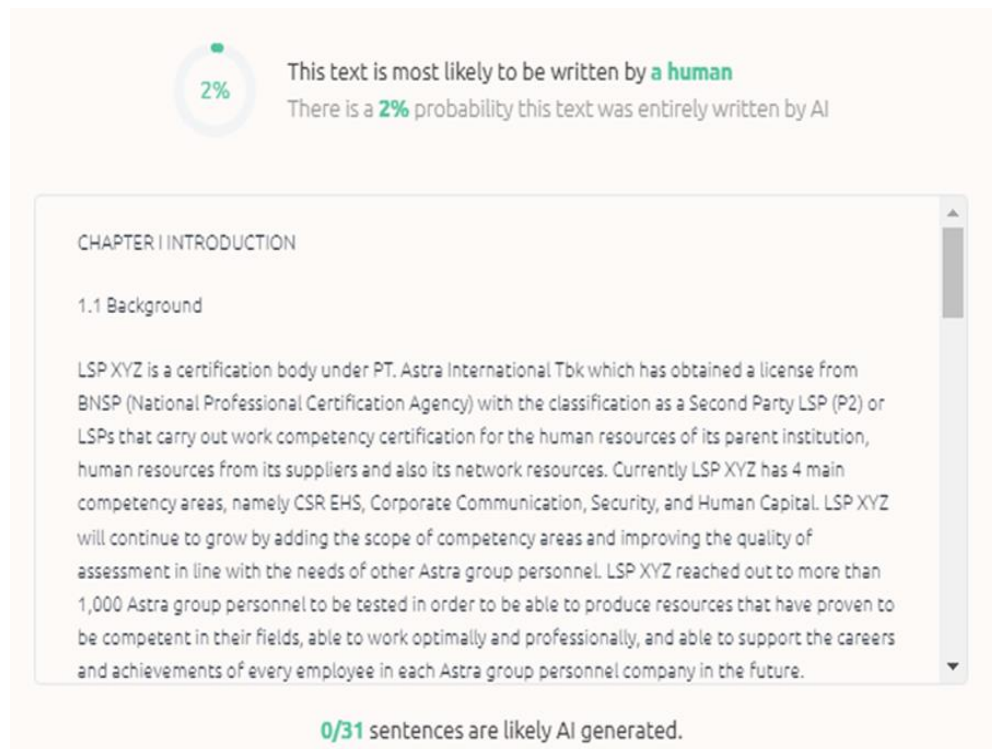
0%

STUDENT PAPERS

## PRIMARY SOURCES

1	<a href="http://repository.president.ac.id">repository.president.ac.id</a> Internet Source	13%
2	<a href="http://journal.uinsgd.ac.id">journal.uinsgd.ac.id</a> Internet Source	1%
3	<a href="http://www.tara.tcd.ie">www.tara.tcd.ie</a> Internet Source	<1%
4	<a href="http://slideplayer.com">slideplayer.com</a> Internet Source	<1%
5	<a href="http://repository.uksw.edu">repository.uksw.edu</a> Internet Source	<1%
6	<a href="http://pdfs.semanticscholar.org">pdfs.semanticscholar.org</a> Internet Source	<1%
7	<a href="http://bircu-journal.com">bircu-journal.com</a> Internet Source	<1%
8	<a href="http://repositori.uin-alauddin.ac.id">repositori.uin-alauddin.ac.id</a> Internet Source	<1%
9	<a href="http://library.binus.ac.id">library.binus.ac.id</a> Internet Source	<1%

## GPT ZERO TEST



2%

This text is most likely to be written by a **human**  
There is a **2%** probability this text was entirely written by AI

CHAPTER | INTRODUCTION

1.1 Background

LSP XYZ is a certification body under PT. Astra International Tbk which has obtained a license from BNSP (National Professional Certification Agency) with the classification as a Second Party LSP (P2) or LSPs that carry out work competency certification for the human resources of its parent institution, human resources from its suppliers and also its network resources. Currently LSP XYZ has 4 main competency areas, namely CSR EHS, Corporate Communication, Security, and Human Capital. LSP XYZ will continue to grow by adding the scope of competency areas and improving the quality of assessment in line with the needs of other Astra group personnel. LSP XYZ reached out to more than 1,000 Astra group personnel to be tested in order to be able to produce resources that have proven to be competent in their fields, able to work optimally and professionally, and able to support the careers and achievements of every employee in each Astra group personnel company in the future.

0/31 sentences are likely AI generated.



## ABSTRACT

The disruption of the industrial era 4.0 in the world has been accelerated by the Covid-19 pandemic, especially digital transformation. The Minister of Communication and Informatics, Johnny G. Plate stated that Indonesia was also experiencing an acceleration of digital transformation in all sectors. The pandemic changed behavior by forcing us all to embrace the digital environment in our daily lives so that digital transformation is no longer an option, but a necessity.

In the business sector, digital transformation at a Professional Certification Institute (LSP) is carried out as an effort to improve performance on the quality of employee service and to speed up ongoing business processes. Based on the results of research conducted, in order to achieve a good implementation of digital transformation, public organizations must develop effective data governance, thus digital transformation enables companies to improve operational efficiency and organizational performance, and integrate digital and physical business and customer experience.

The internet is capable of making the supplier network broad and a large customer base throughout e-commerce. To overcome this problem, a web-based event ordering information system was created and can generate e-tickets. This system is designed using the Waterfall Development Model, application development uses PHP Native with MySQL database, and some use of libraries and functions uses javascript to create supporting features.

E-Ticketing is a way for the user sales process that is used without issuing a physical ticket. The information on E-Ticketing will be stored digitally. Facilities in online ticket booking are provided with various types. This is to help people use it easily and can increase activities in selling tickets online through the available websites.

**Keywords:** *E-Ticketing, E-Commerce, Information System, Digital Transformation, Web Application.*

## ACKNOWLEDGMENTS

First of all, all praise and gratitude the author goes to Allah SWT because the writer can undergo educational lectures smoothly and well up to now and can complete the writing of the thesis entitled "Website-Based Event Ticket Ordering Information System" as one of the requirements for obtaining a Bachelor's degree in President University.

I want to express my gratitude to those that help and support me during the completion of this final project:

1. My family, that fully support me whenever I needed.
2. My thesis supervisor, Mr. Rikip. Thank you for all the knowledge that you give me during this time, and always answer although I have a lot of questions.
3. My forever best friends Annisa Nurhakim, Endah Mulyanti, Riska Afiska.
4. My university besties, Alya Dhia Zahra, Anggini Arsyad, Anisa Nurul, Febrina Lumban Raja. There is not much to say about them but I am grateful to have them in the past 4 years.
5. To all my universities bros and girls for all the fun we had together.
6. ESR Team that fully support me through this final project, look for my condition, and keeping me high motivated.
7. All Computing lecturers that guided and teached me in President University. Thank you for all the knowledge that has been shared to me.

## TABLE OF CONTENTS

<b>DECLARATION OF ORIGINALITY.....</b>	<b>i</b>
<b>STATEMENT OF ORIGINALITY.....</b>	<b>ii</b>
<b>SCIENTIFIC PUBLICATION APPROVAL FOR ACADEMIC INTEREST.....</b>	<b>iii</b>
<b>ADVISOR’S APPROVAL FOR PUBLICATION.....</b>	<b>iv</b>
<b>PLAGIARISM RESULT / TURNITIN.....</b>	<b>v</b>
<b>GPT ZERO TEST.....</b>	<b>vi</b>
<b>ABSTRACT.....</b>	<b>vii</b>
<b>ACKNOWLEDGMENTS.....</b>	<b>viii</b>
<b>TABLE OF CONTENTS.....</b>	<b>ixx</b>
<b>LIST OF TABLES.....</b>	<b>xiii</b>
<b>LIST OF FIGURES.....</b>	<b>xv</b>
<b>CHAPTER I INTRODUCTION.....</b>	<b>1</b>
1.1 Background .....	1
1.2 Problem Identification.....	3
1.3 Final Project Objectives .....	3
1.4 Scope and Limitation .....	4
1.4.1 Scope.....	5
1.4.2 Limitation.....	5
1.5 Final Project Methodology .....	5
1.6 Final Project Outline .....	7
<b>CHAPTER II LITERATURE STUDY.....</b>	<b>9</b>
2.1 Information System Management .....	9
2.1.1 Acceleration of Business Processes with Information System.....	11
2.3 E-Ticketing .....	12
2.3.1 The Definition of E-Ticketing .....	13
2.3.2 E-Ticketing Benefit & Function .....	14
2.3.3 Advantages and Disadvantages of E-Ticketing .....	14
2.4 LSP .....	15
2.4.1 The Defitinition of LSP .....	16
2.4.2 LSP Type .....	17

2.4.3 LSP Function & Task .....	19
2.5 Related Work .....	20
2.5.1 Event Management Application and Ordering E-Tickets at POLSRI.....	20
2.5.2 Training Class Ticket Sales Application (Pincher).....	21
2.5.3 Related Work Comparison .....	22
<b>CHAPTER III SYSTEM ANALYST.....</b>	<b>34</b>
3.1 System Overview .....	34
3.2 Functional Analysis.....	38
3.3 Software and Hardware Requirement.....	39
3.4 Use Case Diagram.....	41
3.5 Use Case Narrative.....	41
3.6 Activity Diagram.....	58
3.6.1 Register .....	58
3.6.2 Login .....	59
3.6.3 Edit Profile .....	60
3.6.4 Add Event .....	61
3.6.5 Edit Event.....	62
3.6.6 Delete Event.....	63
3.6.7 Validate Order.....	64
3.6.8 Checkout .....	65
3.6.9 Input Transaction.....	66
3.6.10 Search Event.....	67
<b>CHAPTER IV SYSTEM DESIGN.....</b>	<b>65</b>
4.1 User Interface Design.....	65
4.1.1 Customer Register Page .....	65
4.1.2 Customer Login Page .....	66
4.1.3 Customer Home Page.....	67
4.1.4 Customer Search Page.....	68
4.1.5 Customer Detail Produk Page.....	69
4.1.6 Customer Shopping Cart Page.....	70
4.1.7 Customer Checkout Page .....	71
4.1.7 Customer Bill Page.....	72
4.1.8 Customer Transaction History Page .....	73
4.1.9 Customer Payment Confirmation Page.....	74

4.1.10 Event Provider Page .....	75
4.1.11 Event Category Page .....	76
4.1.12 Event Method Page .....	77
4.1.13 Event List Page .....	78
4.1.14 Transaction Record Page.....	79
4.1.15 Order Detail Page .....	80
4.1.16 Proof of Payment Page.....	81
4.1.17 Order Report Page .....	82
4.1.18 Customer Data Page .....	83
4.2 Database Table Relationship.....	83
4.3 Database Table.....	84
<b>CHAPTER V SYSTEM IMPLEMENTATION.....</b>	<b>89</b>
5.1 User Interface Development.....	89
5.1.1 Login Admin Page .....	89
5.1.2 Event Provider Page .....	90
5.1.3 Event Category Page .....	90
5.1.4 Event Method Page .....	91
5.1.5 Event List .....	92
5.1.6 Order List Page .....	93
5.1.7 Validate Payment Page.....	94
5.1.8 Order List Documentation Page .....	95
5.1.9 Report Page .....	96
5.1.10 Customer Data Page .....	97
5.1.11 Customer Registration Page .....	97
5.1.12 Login Customer Page .....	98
5.1.13 Home Page .....	99
5.1.14 Filter Page .....	100
5.1.15 Search Page .....	101
5.1.16 Detail Page .....	102
5.1.17 Cart Page .....	103
5.1.18 Checkout Page.....	104
5.1.19 Bill Page.....	105
5.1.20 Transaction History Page .....	106
5.1.21 Input Transaction Page.....	107

5.1.22 See Transaction Page.....	108
5.1.23 E-Ticket Page .....	109
5.1.24 Profile Page .....	110
5.2 Applications Details .....	111
5.2.1 Filter Event.....	111
5.2.2 Filter Report .....	112
5.2.3 Search.....	113
5.2.4 E-Ticket.....	114
5.2.5 Documentation .....	117
<b>CHAPTER VI SYSTEM TESTING.....</b>	<b>118</b>
6.1 Testing Environment .....	118
6.2 Testing Scenario.....	118
6.2.1 Login & Register.....	119
6.2.2 Admin .....	123
6.2.3 Customer .....	134
<b>CHAPTER VII CONCLUSION AND FUTURE WORK.....</b>	<b>144</b>
7.1 Conclusion .....	144
7.2 Future Work .....	145
<b>REFERENCES.....</b>	<b>146</b>

## LIST OF TABLES

Table 2.1 Comparison of Similar Systems.....	22
Table 3.1 System Features .....	34
Table 3.2 Functional Requirement.....	38
Table 3.3 Analysis of Hardware & Software Requirements.....	39
Table 3.4 Use Case Narrative Register .....	42
Table 3.5 Use Case Narrative Login .....	43
Table 3.6 Use Case Narrative Edit Profile .....	43
Table 3.7 Use Case Narrative Add Event .....	45
Table 3.8 Use Case Narrative Edit Event.....	46
Table 3.9 Use Case Narrative Delete Event.....	47
Table 3.10 Use Case Narrative Validate Order.....	48
Table 3.11 Use Case Narrative View Report.....	49
Table 3.12 Use Case Narrative Search Product .....	50
Table 3.13 Use Case Narrative Filter Event.....	51
Table 3.14 Use Case Narrative Add Event to Cart .....	53
Table 3.15 Use Case Narrative Delete Cart .....	54
Table 3.16 Use Case Checkout .....	54
Table 3.17 Use Case Input Transaction .....	56
Table 3.18 Use Case Narrative Claim E-Ticket.....	57
Table 4.1 Database Table.....	84
Table 6.1 Login Page .....	119
Table 6.2 Register Page .....	121
Table 6.3 Provider Page .....	123
Table 6.4 Category Page .....	124
Table 6.5 Method Page .....	125
Table 6.6 Event Page.....	126
Table 6.7 Order List Page .....	128
Table 6.8 Validation Page.....	130
Table 6.9 Transaction Record Documentation Page.....	131
Table 6.10 Report Page.....	132
Table 6.11 Customer Data Page.....	133

Table 6.12 Main page.....	134
Table 6.13 Cart Page.....	137
Table 6.14 Transaction History.....	138
Table 6.15 Profile Page.....	141



## LIST OF TABLES

Table 2.1 Comparison of Similar Systems.....	22
Table 3.1 System Features .....	34
Table 3.2 Functional Requirement.....	38
Table 3.3 Analysis of Hardware & Software Requirements.....	39
Table 3.4 Use Case Narrative Register .....	42
Table 3.5 Use Case Narrative Login .....	43
Table 3.6 Use Case Narrative Edit Profile .....	43
Table 3.7 Use Case Narrative Add Event .....	45
Table 3.8 Use Case Narrative Edit Event.....	46
Table 3.9 Use Case Narrative Delete Event.....	47
Table 3.10 Use Case Narrative Validate Order.....	48
Table 3.11 Use Case Narrative View Report.....	49
Table 3.12 Use Case Narrative Search Product .....	50
Table 3.13 Use Case Narrative Filter Event.....	51
Table 3.14 Use Case Narrative Add Event to Cart .....	53
Table 3.15 Use Case Narrative Delete Cart .....	54
Table 3.16 Use Case Checkout .....	54
Table 3.17 Use Case Input Transaction .....	56
Table 3.18 Use Case Narrative Claim E-Ticket.....	57
Table 4.1 Database Table.....	84
Table 6.1 Login Page .....	119
Table 6.2 Register Page .....	121
Table 6.3 Provider Page .....	123
Table 6.4 Category Page .....	124
Table 6.5 Method Page .....	125
Table 6.6 Event Page.....	126
Table 6.7 Order List Page .....	128
Table 6.8 Validation Page.....	130
Table 6.9 Transaction Record Documentation Page.....	131
Table 6.10 Report Page.....	132
Table 6.11 Customer Data Page.....	133

Table 6.12 Main page.....	134
Table 6.13 Cart Page.....	137
Table 6.14 Transaction History.....	138
Table 6.15 Profile Page.....	141

## LIST OF FIGURES

Figure 1.1 SDLC:Waterfall Model .....	6
Figure 2.1 Indonesia Digital Report.....	11
Figure 2.2 POLSRI Event Management Application .....	21
Figure 2.3 Pincher Application .....	22
Figure 3.1 Use Case Diagram .....	41
Figure 3.2 Use Case Narrative Register .....	59
Figure 3.3 Use Case Narrative Login.....	60
Figure 3.4 Use Case Narrative Edit Profile.....	61
Figure 3.5 Use Case Narrative Add Event .....	62
Figure 3.6 Use Case Narrative Edit Event .....	63
Figure 3.7 Use Case Narrative Delete Event .....	64
Figure 3.8 Use Case Narrative Validate Order .....	65
Figure 3.9 Use Case Narrative Checkout.....	66
Figure 3.10 Use Case Narrative Input Transaction .....	67
Figure 3.11 Use Case Narrative Search Event.....	68
Figure 4.1 Register Page .....	66
Figure 4.2 Login Page .....	67
Figure 4.3 Customer Home Page .....	68
Figure 4.4 Search Page.....	69
Figure 4.5 Detail Page.....	70
Figure 4.6 Checkout Page .....	71
Figure 4.7 Checkout Page .....	72
Figure 4.8 Bill Page .....	73
Figure 4.9 Transaction History Page.....	74
Figure 4.10 Payment Confirmation Page.....	75
Figure 4.11 Provider Page.....	76
Figure 4.12 Category Page.....	76
Figure 4.13 Method Page .....	77
Figure 4.14 Event Page .....	78
Figure 4.15 Transaction Record Page .....	79
Figure 4.16 Order Detail Page .....	80
Figure 4.17 Proof of Payment Page .....	81
Figure 4.18 Order Report Page .....	82
Figure 4.19 Customer Data Page .....	83
Figure 4.20 Database Table Relationship .....	84
Figure 5.1 Login Admin.....	89
Figure 5.2 Event Provider .....	90
Figure 5.3 Event Category .....	91
Figure 5.4 Event Method.....	92
Figure 5.5 Event List.....	93
Figure 5.6 Order List.....	94
Figure 5.7 Payment Validation .....	95
Figure 5.8 Order List Documentation .....	96
Figure 5.9 Report .....	96
Figure 5.10 Customer Data .....	97
Figure 5.11 Customer Registration .....	97

Figure 5.12 Login Customer .....	98
Figure 5.13 Home .....	99
Figure 5.14 Filter Page .....	100
Figure 5.15 Search Page .....	101
Figure 5.16 Detail Event Page .....	102
Figure 5.17 Cart Page .....	103
Figure 5.18 Checkout Page .....	104
Figure 5.19 Bill Page .....	105
Figure 5.20 Transaction History Page .....	106
Figure 5.21 Input Transaction Page .....	107
Figure 5.22 See Transaction Page .....	108
Figure 5.23 E-Ticket Page .....	109
Figure 5.24 Edit Profile Page .....	110
Figure 5.25 Get Filter Data .....	111
Figure 5.26 Show Data Filtered .....	112
Figure 5.27 Save Selected Date & Status .....	113
Figure 5.28 Show Selected Status .....	113
Figure 5.29 Keep Query & Search in DB .....	114
Figure 5.30 Show Data Related to Query .....	114
Figure 5.31 Show Customer Data .....	115
Figure 5.32 Show Order Information .....	115
Figure 5.33 Show Order Transaction .....	116
Figure 5.34 Print Function .....	116
Figure 5.35 Data Tables .....	117
Figure 6.1 Wrong Username/Password Scenario .....	119
Figure 6.2 Show Password Scenario .....	120
Figure 6.3 Click Cart While Not Yet Login Scenario .....	120
Figure 6.4 Login Success Scenario .....	120
Figure 6.5 Register Show Password Scenario .....	122
Figure 6.6 Register with Registered Email Scenario .....	122
Figure 6.7 Not Fill All Form Scenario .....	122
Figure 6.8 Input a Different Password Confirmation Scenario .....	123
Figure 6.9 Click Cart When Account Not Yet Registered Scenario .....	123
Figure 6.10 Registration Success Scenario .....	123
Figure 6.11 Event Provider Scenario .....	124
Figure 6.12 Event Category Scenario .....	125
Figure 6.13 Event Method Scenario .....	126
Figure 6.14 Event List Scenario .....	127
Figure 6.15 Not Fill All Form Scenario .....	128
Figure 6.16 Fill Less Than 0 for Stock Scenario .....	128
Figure 6.17 Add Event Scenario .....	128
Figure 6.18 Delete Event Scenario .....	128
Figure 6.19 Edit Event Scenario .....	128
Figure 6.20 Detail Scenario .....	129
Figure 6.21 Export Scenario .....	129
Figure 6.22 Proof of Payment Scenario .....	130
Figure 6.23 Validation Scenario .....	131
Figure 6.24 Transaction Record Scenario .....	132

Figure 6.25 Download Transaction Record Scenario .....	132
Figure 6.26 Report Scenario .....	133
Figure 6.27 Customer Data Scenario .....	134
Figure 6.28 Search Scenario .....	135
Figure 6.29 Filter Scenario.....	135
Figure 6.30 Click Cart When There's No Product Added Scenario .....	136
Figure 6.31 Click Buy Scenario .....	136
Figure 6.32 Click Detail Scenario.....	136
Figure 6.33 Search Scenario (No Result).....	136
Figure 6.34 Click Add More Scenario .....	137
Figure 6.35 Click Checkout Scenario .....	138
Figure 6.36 Delete Cart Scenario .....	138
Figure 6.37 Click Bill Scenario.....	139
Figure 6.38 Click Input Transaction Scenario .....	139
Figure 6.39 Click See Transaction Scenario .....	140
Figure 6.40 Click E-Ticket Scenario.....	140
Figure 6.41 Click Show Password Scenario .....	141
Figure 6.42 Input Different Password Scenario.....	141
Figure 6.43 Not Using Email Format Scenario.....	142
Figure 6.44 Click Update Scenario .....	142