



**WEB-BASED INFORMATION SYSTEM FOR MANAGING
GYMNASIUM MEMBERSHIP**

UNDERGRADUATE THESIS

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

By:

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**FACULTY OF COMPUTER SCIENCE
INFORMATION SYSTEM STUDY PROGRAM**

CIKARANG

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**WEB-BASED INFORMATION SYSTEM FOR MANAGING
GYMNASIUM MEMBERSHIP**

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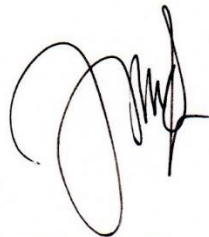
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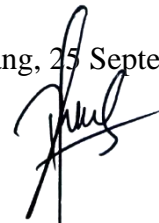
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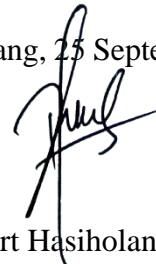
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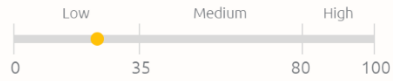
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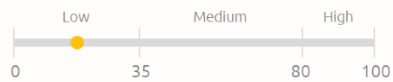
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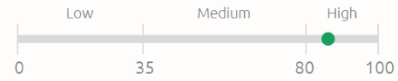
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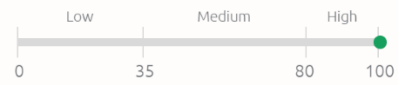
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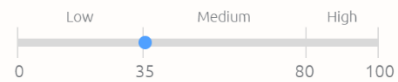
Burstiness: 159.6

Unique score developed by GPTZero in 2022 that correlates to variance in writing. Humans generally vary their writing patterns over time.



Average Sentence Length: 16.1 words

Unique score that correlates to variance in writing, where humans generally vary writing patterns.



ABSTRACT

In today's fast-paced world, fitness and well-being have become paramount, leading to a surge in demand for gymnasiums and fitness centres. Web-Based Information System for Managing Gymnasium Membership have been developed to meet the needs of both gym owner and members. This project report outlines the design, development, and implementation of this innovative web-based information system, which aims to revolutionize the gym management experience.

The Web-Based Information System for Managing Gymnasium Membership is a comprehensive software system that leverages modern web technologies to streamline gym operations, enhance member engagement, and provide data-driven insights for informed decision-making. This dashboard is a user-friendly and scalable solution that caters to the diverse needs of gym administrators, and members.

The key features of the Web-Based Information System for Managing Gymnasium Membership include:

1. **Membership Management:** The system allows for easy member registration, renewal, and payment processing. Members can access their accounts, update personal information, and view membership plans and history.
2. **Attendance Tracking:** Gym administrators can efficiently monitor member attendance, track usage patterns, and identify trends to optimize class scheduling and equipment allocation.

3. **Session and Instructor Management:** Gym staff can schedule categories, assign trainers, and manage class rosters. Members can browse class schedules, sign up for classes, and receive notifications.
4. **Payment and Billing:** The system supports online payment processing, billing cycles, and generates invoices, ensuring smooth financial operations for the gym.
5. **Dashboard Analytics and Reports:** Gym owners can access insightful analytics on member demographics, attendance, and revenue trends. This data empowers them to make data-driven decisions to enhance the gym's profitability and member satisfaction.
6. **Communication Hub:** A built-in messaging system enables seamless communication between gym staff and members, fostering engagement and addressing member inquiries promptly.

The successful implementation of this web-based information system in gyms will optimize operational efficiency and promote healthier lifestyles by making fitness more accessible and engaging. With this innovative tool at their disposal, gym owner and managers can stay ahead of the competition and offer an unparalleled fitness experience to their members, thereby contributing to society's overall well-being.

DEDICATION

This project is dedicated to those whose unwavering support, inspiration, and encouragement have been the driving force behind its success.

To my family,

Words cannot express my gratitude for your unwavering support throughout this project. From the countless late nights to the moments of self-doubt, you were always there, offering your love, understanding, and encouragement. This achievement is as much yours as it is mine. Thank you for being my rock.

In loving memory of My Father,

Though you are no longer with us, your indomitable spirit inspires me daily. Your wisdom, kindness, and belief in my abilities pushed me to pursue this project and see it through. This project is a tribute to your memory and your profound impact on my life.

To my Thesis Advisor, Mr. Ronny Juwono,

Your guidance and wisdom have been invaluable throughout this project. Your willingness to share your knowledge, provide feedback, and challenge me to think critically have shaped both the project and my growth as a professional. I am deeply appreciative of your advice and mentorships.

To all those who believed in me, supported me, and contributed to this project in various ways, thank you for being part of this incredible journey. Your faith in me and this project fuelled my determination to achieve it.

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2. My beloved parents and sisters, for their never-ending love and support.
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4. Lecturers and staff of the Faculty of Computing who give support and time to discuss lively experiences.
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TABLE OF CONTENTS

DEDICATION	ii
ACKNOWLEDGMENTS	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	ix
LIST OF FIGURES	xi
CHAPTER I INTRODUCTION	1
I.1. Background	1
I.2. Problem Statement	1
I.3. Final Project Objective	2
I.4. Scope and Limitation	2
I.4.1. Scope	2
I.4.2. Limitation	3
I.5. Final Project Methodology	4
I.5.1. Requirements Analysis	4
I.5.2. Design and Architecture	5
I.5.3. Implementation	5
I.5.4. Testing and Quality Assurance	6
I.5.5. Deployment	7
I.5.6. Ongoing Support and Maintenance	7
I.6. Final Project Report Outline	8
CHAPTER II LITERATURE STUDY	10
II.1. Web-development	10
II.1.1. Core Elements of Web Development	10
II.2. Database Management	14
II.2.1. Database Design	15
II.2.2. Database Management Systems (DBMS)	15
II.2.3. Data Access Layer	16
II.3. System Architecture	17
II.3.1. Client-Server Architecture	17

II.3.2.	Three-Tier Architecture	18
II.3.3.	Cloud Hosting	18
II.4.	Authentication and Authorization.....	20
II.4.1.	Authentication.....	20
II.4.2.	Authorization	20
II.4.3.	Session Management	21
CHAPTER III	SYSTEM ANALYSIS.....	22
III.1.	System Overview	22
III.2.	Function Analysis	22
III.3.	Hardware and Software Requirement.....	24
III.3.1.	Hardware Requirement	24
III.3.2.	Software Requirement	24
III.4.	Use Case Diagram.....	25
III.5.	Use Case Narrative	25
III.6.	Swim Lane Diagram	49
III.6.1.	Member Register.....	50
III.6.2.	Member Sign In	50
III.6.3.	Member Sign Out.....	50
III.6.4.	Edit Profile	51
III.6.5.	Session Check In.....	51
III.6.6.	Session Attendance	52
III.6.7.	Data Processing.....	52
CHAPTER IV	SYSTEM DESIGN.....	54
IV.1.	User Interface Design	54
IV.1.1.	Homepage	54
IV.1.2.	Member Dashboard Page.....	54
IV.1.3.	Member Check-in Page.....	55
IV.1.4.	Member Attendance Page	55
IV.1.5.	Member Billing.....	57
IV.1.6.	Member Chatroom	57
IV.1.7.	Member Contact Admin	59

IV.1.8.	Member Sign In	59
IV.1.9.	Member Register.....	60
IV.1.10.	Admin Sign In.....	60
IV.1.11.	Admin Dashboard	60
IV.1.12.	Admin Data Processing Member	63
IV.1.13.	Admin Data Processing Membership	63
IV.1.14.	Admin Data Processing Session	63
IV.1.15.	Admin Data Processing Instructor	64
IV.1.16.	Admin Billing Transactions	64
IV.1.17.	Admin Billing Invoices.....	65
IV.1.18.	Admin Report Member	67
IV.1.19.	Admin Report Session	67
IV.1.20.	Admin Data.....	69
IV.1.21.	Contact User.....	70
IV.2.	Physical Design.....	70
IV.2.1.	Software	71
IV.2.2.	Hardware.....	72
IV.3.	Database Design.....	72
IV.3.1.	Table <i>login</i>	74
IV.3.2.	Table <i>admin</i>	74
IV.3.3.	Table <i>members</i>	75
IV.3.4.	Table <i>membership</i>	75
IV.3.5.	Table <i>membership_benefits</i>	76
IV.3.6.	Table <i>member_membership</i>	76
IV.3.7.	Table <i>session</i>	76
IV.3.8.	Table <i>session_instructor</i>	77
IV.3.9.	Table <i>member_attendance</i>	77
IV.3.10.	Table <i>transaction_type</i>	78
IV.3.11.	Table <i>transactions</i>	78
IV.3.12.	Table <i>invoices</i>	78
IV.3.13.	Table <i>payment_type</i>	79

IV.3.14.	Table <i>transactions_notification</i>	79
IV.3.15.	Table <i>chatroom_messages</i>	80
IV.3.16.	Table <i>contact_admin_messages</i>	80
IV.3.17.	Table <i>contact_admin_notification</i>	80
CHAPTER V SYSTEM IMPLEMENTATION		82
V.1.	Development Environment	82
V.1.1.	Development Tools and Software.....	82
V.1.2.	Development Frameworks and Libraries	83
V.2.	User Interface Development	83
V.2.1.	The Homepage	83
V.2.2.	Member Dashboard.....	87
V.2.3.	Admin Dashboard	94
V.3.	Application Details	103
V.3.1.	Login Process	103
V.3.2.	Register Process	103
V.3.3.	Member Main Dashboard	106
V.3.4.	Member Edit Profile	107
V.3.5.	Member Check-in	108
V.3.6.	Member Attendance.....	108
V.3.7.	Member Billing.....	108
V.3.8.	Member Chatroom	111
V.3.9.	Member Contact Admin	111
V.3.10.	Member Notification Contact Admin	116
V.3.11.	Admin Main Dashboard.....	122
V.3.12.	Admin Data Processing Member	124
V.3.13.	Admin Data Processing Membership	130
V.3.14.	Admin Report.....	133
CHAPTER VI SYSTEM TESTING.....		138
VI.1.	Testing Environment.....	138
VI.2.	Testing Scenario.....	138
VI.2.1.	The Homepage	139

VI.2.2.	The Member Dashboard	139
VI.2.3.	The Admin Dashboard.....	141
CHAPTER VII CONCLUSION AND FUTURE WORK.....		143
VII.1.	Conclusion	143
VII.2.	Future Work	143
VII.2.1.	New Features	143
VII.2.2.	Enhanced Reporting.....	143
VII.2.3.	Gamification Elements.....	144
VII.2.4.	Integration with Wearables	144
VII.2.5.	Continuous Improvement.....	144
VII.2.6.	Point System	144
VII.2.7.	Expand the Notification System	144
VII.2.8.	Gymnasium’s Equipment Renting.....	145
REFERENCES		146

LIST OF TABLES

Table III.1 Functionality Table for Homepage	22
Table III.2 Functionality Table for Member Dashboard	23
Table III.3 Functionality Table for Admin Dashboard	23
Table III.4 Use Case Narrative for Member Register	26
Table III.5 Use Case Narrative for Member Sign In	28
Table III.6 Use Case Narrative for Sign Out	29
Table III.7 Use Case Narrative for Edit Profile	31
Table III.8 Use Case Narrative for Session Check-in.....	32
Table III.9 Use Case Narrative for Session Attendance	34
Table III.10 Use Case Narrative for Buy Membership.....	35
Table III.11 Use Case Narrative for Renew Membership	36
Table III.12 Use Case Narrative for Upgrade Membership.....	38
Table III.13 Use Case Narrative for Admin Sign In	39
Table III.14 Use Case Narrative for Admin Sign Out	40
Table III.15 Use Case Narrative for Data Processing Member	42
Table III.16 Use Case Narrative for Data Processing Membership.....	43
Table III.17 Use Case Narrative for Data Processing Session.....	45
Table III.18 Use Case Narrative for Data Processing Instructor	46
Table III.19 Use Case Narrative for Process Admins Data	48
Table IV.1 Software Requirements.....	71
Table IV.2 Hardware Requirements	72
Table IV.3 Table <i>login</i>	74
Table IV.4 Table <i>admin</i>	74
Table IV.5 Table <i>members</i>	75
Table IV.6 Table <i>membership</i>	75
Table IV.7 Table <i>membership_benefits</i>	76
Table IV.8 Table <i>member_membership</i>	76
Table IV.9 Table <i>session</i>	76
Table IV.10 Table <i>session_instructor</i>	77

Table IV.11 Table <i>member_attendance</i>	77
Table IV.12 Table <i>transaction_type</i>	78
Table IV.13 Table <i>transactions</i>	78
Table IV.14 Table <i>invoices</i>	79
Table IV.15 Table <i>payment_type</i>	79
Table IV.16 Table <i>transactions_notification</i>	79
Table IV.17 Table <i>chatroom_messages</i>	80
Table IV.18 Table <i>contact_admin_messages</i>	80
Table VI.1 Testing Scenario for The Homepage	139
Table VI.2 Testing Scenario for The Member Dashboard	139
Table VI.3 Testing Screnario for The Admin Dashboard.....	141

LIST OF FIGURES

Figure III.1 Use Case Diagram for Gymnasium Information System	26
Figure III.2 Swim Lane Diagram for Member Register	50
Figure III.3 Swim Lane Diagram for Member Sign In	50
Figure III.4 Swim Lane Diagram for Member Sign Out	51
Figure III.5 Swim Lane Diagram for Edit Profile.....	51
Figure III.6 Swim Lane Diagram for Session Check-in	52
Figure III.7 Swim Lane Diagram for Session Attendance.....	52
Figure III.8 Swim Lane Diagram for Data Processing	53
Figure IV.1 UI Design of Member Dashboard	55
Figure IV.2 UI Design of Homepage.....	56
Figure IV.3 UI Design of Session Check in	57
Figure IV.4 UI Design of Session Attendance.....	57
Figure IV.5 UI Design of Member Billing	58
Figure IV.6 UI Design of Member Chatroom	58
Figure IV.7 UI Design of Member Contact Admin.....	59
Figure IV.8 UI Design of Member Sign In.....	60
Figure IV.9 UI Design of Member Register	61
Figure IV.10 UI Design of Admin Sign In	62
Figure IV.11 UI Design of Admin Main Dashboard	62
Figure IV.12 UI Design of Admin Data Processing Member	63
Figure IV.13 UI Design of Data Processing Membership.....	64
Figure IV.14 UI Design of Data Processing Session.....	65
Figure IV.15 UI Design of Admin Data Processing Instructor	66
Figure IV.16 UI Design of Admin Billing Transactions	66
Figure IV.17 UI Design of Admin Billing Invoices	67
Figure IV.18 UI Design of Admin Report Member	68
Figure IV.19 UI Design of Admin Report Session.....	69
Figure IV.20 UI Design of Admin Data	70
Figure IV.21 UI Design of Admin Contact User.....	71

Figure IV.22 Entity Relationship Diagram for Gymnasium Information System.....	73
Figure V.1 UI Development of The Homepage Part 1	84
Figure V.2 UI Development of The Homepage Part 2	84
Figure V.3 UI Development of The Homepage Part 3	85
Figure V.4 UI Development of The Homepage Part 4	85
Figure V.5 UI Development of The Homepage Part 5	86
Figure V.6 UI Development of The Homepage Part 6	86
Figure V.7 UI Development of Member Sign in Page	87
Figure V.8 UI Development of Member Register Page	88
Figure V.9 UI Development of Member Main Dashboard.....	88
Figure V.10 UI Development of Member Check-in.....	89
Figure V.11 UI Development of Member Attendance	90
Figure V.12 UI Development of Member Billing	91
Figure V.13 UI Development of Member Chatroom.....	92
Figure V.14 UI Development of Member Contact Admin	92
Figure V.15 UI Development of Member Contact Admin	93
Figure V.16 UI Development of Admin Login	93
Figure V.17 UI Development of Admin Main Dashboard	95
Figure V.18 UI Development of Data Processing Member.....	95
Figure V.19 UI Development of Data Processing Membership	96
Figure V.20 UI Development of Data Processing Session	97
Figure V.21 UI Development of Data Processing Instructor.....	97
Figure V.22 UI Development of Admin Billing Transactions List	98
Figure V.23 UI Development of Admin Billing Invoices List	99
Figure V.24 UI Development of Admin Report Member.....	100
Figure V.25 UI Development Page of Admin Report Session	100
Figure V.26 UI Development of Admin Data	101
Figure V.27 UI Development of Contact User	101
Figure V.28 UI Development of Notification Contact User.....	102
Figure V.29 UI Development of Notification Transactions	102
Figure V.30 Code for Login Process	104

Figure V.31 Code for Register Process.....	105
Figure V.32 Code for Member Main Dashboard.....	106
Figure V.33 Code for Member Edit Profile Part 1.....	107
Figure V.34 Code for Member Edit Profile Part 2.....	108
Figure V.35 Code for Member Check-in Part 1	109
Figure V.36 Code for Member Check-in Part 2	110
Figure V.37 Code for Member Attendance	110
Figure V.38 Code for Member Billing	111
Figure V.39 Code for Member Chatroom.....	112
Figure V.40 Code for Member Contact Admin.....	112
Figure V.41 Code for Chatrom <i>get_messages</i>	113
Figure V.42 Code for Chatroom <i>send_message</i>	114
Figure V.43 Code for Contact Admin <i>send_message</i>	114
Figure V.44 Code for Contact Admin <i>get_messages</i>	115
Figure V.45 Code for Notification Contact Admin Part 1.....	116
Figure V.46 Code for Notification Contact Admin Part 2.....	117
Figure V.47 Code for Notification Contact Admin Part 3.....	118
Figure V.48 Code for Notification Contact Admin Part 4.....	119
Figure V.49 Code for Notification Contact Admin <i>get_notifications</i>	120
Figure V.50 Code for Notification <i>get_total_notification</i>	121
Figure V.51 Code for Notification <i>mark_read</i>	122
Figure V.52 Code for Admin Main Dashboard	123
Figure V.53 Code for Admin Data Processing Member Part 1	124
Figure V.54 Code for Admin Data Processing Member Part 2.....	125
Figure V.55 Code for Admin Member <i>add</i>	126
Figure V.56 Code for Admin Member <i>edit</i>	127
Figure V.57 Code for Admin Member <i>delete</i>	128
Figure V.58 Code for Admin Member <i>print_card</i> Part 1	129
Figure V.59 Code for Admin Member <i>print_card</i> Part 2.....	130
Figure V.60 Code for Admin Membership <i>add</i>	131
Figure V.61 Code for Admin Membership <i>edit</i>	132

Figure V.62 Code for Admin Report Member Part 1	133
Figure V.63 Code for Admin Report Member Part 2	134
Figure V.64 Code for Admin Report Member Part 3	135
Figure V.65 Code for Admin Report Session Part 1	136
Figure V.66 Code for Admin Report Session Part 2	137