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CANCER FIGHTER NETWORK

By

MUHAMMAD FIRDAUS BIN MD SHAHRUNNAHAR (2122021090004)

Project Submitted in Partial Fulfillment of the Requirements for the diploma of Diploma in Information Technology in the Faculty of Information Sciences and Engineering

Faculty of Information Sciences and Engineering Management & Science University

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TABLE OF CONTENTS

			Page
ACKNOW	LEDG	EMENTS	i
ABSTRAC	CT		ii
LIST OF T	ABLES	S	iii
LIST OF F	FIGURE	ES	iv
СНАРТЕ	R		
I	INT	RODUCTION	1
	1.0	Introduction	3
	1.1	Background of the Project	2
	1.2	Problem Statement	5
	1.3	Objective of the Project	7
	1.4	Scope of the Project	8
	1.5	Significance of the Project	11
	1.6	Assumption and Limitation	12
II	LITI	ERATURE REVIEW	13
	2.0	Introduction of Literature Review	13
	2.1	Review of Current Situation	14
	2.2	Review of Related Products	16
	2.3	Review of Cancer Fighter Network Websites	20
	2.4	Summary by Comparison	22
Ш	ME'	THODOLOGY	24
	3.1	Project Methodology	24
	3.2	Hardware and Software Requirement	29
	3.3	Flow Chart	31
	3.4	Context Diagram	32
	3.5	Project Schedule	33
IV	IMP:	LEMENTATION AND RESULTS	35
	4.1	The Cancer Fighter Network Websites Interface	35
VI	CON	NCLUSION	47
	5.1	Summary	47
	5.2	Future Improvements	48
	5.3	Conclusion	49
	5.4	Bibliography	50
	5.5	Appendix	51

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Lastly, but certainly not least, we extend heartfelt thanks to our beloved friends and family whose unwavering support and encouragement have served as a steadfast source of fortitude throughout our expedition.

ABSTRACT

Abstract of project presented to the Senate of Management & Science University in partial fulfillment of the requirements for the diploma of Diploma in Information Technology.

CANCER FIGHTERS NETWORK By

MUHAMMAD FIRDAUS BIN MD SHARUNNAHAR 2122021090004 JANUARY 2024

Faculty: Information Sciences and Engineering

Cancer Fighter Network is dedicated to supporting individuals and families affected by cancer, aligning with SDG 3: Good Health and Well-being. The initiative aims to improve the quality of life for cancer patients in Malaysia by developing a website with a robust database system using SQL through phpMyAdmin, along with HTML, CSS, PHP, and JavaScript for both frontend and backend development.

Visual Studio Code is the primary IDE, while XAMPP is used for the local server environment, facilitating efficient testing and debugging. This setup ensures a smooth development process with real-time testing capabilities.

With the end of the Diploma in Information Technology program approaching, this final project provides an opportunity to apply the skills and knowledge gained throughout the course. The Cancer Fighter Network platform will offer support, resources, and hope to those impacted by cancer. It also enables donations to reputable cancer organisations, enhancing patient care programs and advocating for legislative changes.

This project is a significant milestone in the academic journey, using technology to make a positive impact on society.

ii

LIST OF TABLES

Table		Page
1	Shows the Review of Current Situation	14
2	Shows the Features of Cancer Fighter Network	22
3	Shows the Hardware Specification	29
4	Shows the Software Specification	30

LIST OF FIGURES

Figure		Page
1	Shows the project milestones gantt chart	9
2	Shows Shows the Cancer Care Connection Website	17
3	Shows the National Cancer Society of Malaysia Website	19
4	Shows the six Software Development Life Cycle phases	24
5	Shows the flow chart of Cancer Fighter Network	31
6	Shows the Context Diagram for Cancer Fighter Network	32
7	Shows the Project Schedule	33
8	Shows the Cancer Fighter Network Homepage	35
9	Shows the Cancer Fighter Network About Us Page	36
10	Shows the Cancer Fighter Network Donate Page	37
11	Shows the Cancer Fighter Network Information Hub Page	41
12	Shows the Cancer Fighter Network Information Hub Page	42
13	Shows the Cancer Fighter Network Admin Login	43
14	Shows the Cancer Fighter Network Admin Dashboard Page	44
15	Shows the Cancer Fighter Network Admin Edit About Us Page	45
16	Shows the Cancer Fighter Network Admin Change Password Page	46
17	Shows the Cancer Fighter Network logo	51

CHAPTER I

INTRODUCTION

1.0 Introduction

In the continually changing environment of information technology (IT), the pursuit of knowledge and innovation is essential for growth. As I approach the end of my final year in the Diploma in Information Technology programme, I am filled with a deep feeling of excitement and purpose as I begin on the path of my final project. This project, which marks the pinnacle of my academic career, provides a unique chance to not only utilise the skills and information I've gained during my studies, but also to make a practical and significant contribution to the ever-expanding field of technology.

The area of information technology is distinguished by its vitality and significant impact on society. From simplifying corporate operations to revolutionising means of interaction and communication, information technology continues to influence and mould our environment in significant ways. As I approach my final project, I see it not only as the pinnacle of my academic journey, but also as a critical moment at which I may use technology to solve real-world concerns and have a beneficial influence on society.

The construction of "Cancer Fighter Network" - a comprehensive online platform committed to giving support, resources, and hope to people and families afflicted by cancer - is central to my final project. The varied structure of CancerCare Connect addresses numerous parts of the cancer experience, offering a comprehensive approach.

One of the most important elements of Cancer Fighter Network is its ability to allow contributions to respectable cancer societies and organisations. Individuals may directly donate to projects targeted at strengthening patient care programmes, and lobbying for legislative changes that help cancer patients and their families via a streamlined and user-friendly interface.

Furthermore, Cancer Fighter Network has an online appointment booking system, allowing customers to easily and conveniently schedule medical consultations and services. This tool improves access to critical healthcare resources, guaranteeing prompt and efficient help for patients dealing with the complications of cancer diagnosis, treatment, and survivorship.

In addition to enabling contributions and medical appointments, Cancer Fighter Network is a helpful resource for cancer information. Users may learn about various forms of cancer and ways for dealing with the emotional and practical obstacles of a cancer diagnosis via informative articles, films, and infographics.

1.1 Background of the Project

My final project is on the creation of "Cancer Fighter Network," a comprehensive online platform devoted to assisting cancer patients and their families. This effort is closely aligned with Sustainable Development Goal (SDG) 3, which seeks to guarantee healthy lifestyles and promote well-being for people of all ages.

SDG 3 emphasises the need of tackling significant health concerns, such as cancer, as well as providing universal access to excellent healthcare services. Cancer Fighter Network contributes to the achievement of SDG 3 by offering a variety of assistance, resources, and hope to persons affected by cancer, encouraging excellent health and wellbeing.

One of Cancer Fighter Network features is its ability to allow donations to respectable cancer societies and organisations. By allowing users to make direct contributions to essential research, patient care programmes, and advocacy initiatives, the platform contributes to SDG 3.4's goal of lowering cancer death rates and enhancing access to healthcare services.

Furthermore, Cancer Fighter Network has an online appointment scheduling system, which improves access to key healthcare services for users to conduct further medical checks. This tool is consistent with SDG 3.8, which emphasises the need for universal health coverage, including access to excellent healthcare services. Cancer Fighter Network enables patients to simply and comfortably book medical consultations and services, ensuring fast and efficient support for people navigating the challenges of cancer diagnosis, treatment, and survival.

Cancer Fighter Network is also a helpful resource for cancer-related information, providing users with educational articles, videos, and infographics. This part of the platform aligns with SDG 3.7, which seeks to guarantee universal access to sexual and reproductive healthcare services, information, and education. Cancer Fighter Network enables people to make educated choices about their health and well-being by offering extensive information on different cancer types, treatment options, supportive care services, and coping methods.

In summary, the creation of Cancer Fighter Network as a comprehensive online platform for cancer support aligns with SDG 3's goals of increasing access to quality healthcare services, supporting cancer prevention and treatment efforts, and empowering individuals to make informed health decisions. With this project, I want to contribute to global efforts to secure healthy lives and well-being for everyone, in accordance with the Sustainable Development Goals.

1.2 Problem Statement

The primary aim is to solve various key difficulties in accordance with Sustainable Development Goals (SDGs 3), which serve as the main point of the "Cancer Fighter Network "website. A problem statement guides project development by identifying complex issues to overcome. Some of the reasons for my initiative in making this website are as follows:

I. Lacks of access and support

There is limited easy access and awareness of various donation opportunities within the community, which hinders individuals and organizations from contributing effectively.

Solution: Create a flexible and accessible digital platform

Create a website offers extensive cancer-related materials, allows direct contributions to respected cancer organisations, and includes an online appointment booking system. This approach uses technology to overcome the access gap to vital cancer services and eventually contribute to lowering cancer death rates.

II. Lacks efficient mechanisms to contribute

The present cancer care landscape lacks effective methods for citizens to actively contribute to cancer research, patient care programmes, and advocacy campaigns, limiting public engagement and support in tackling cancer's worldwide burden.

Solution: Create an open and user-friendly donations platform

Create an open and user-friendly donation platform that enables people to make direct donations to reputable cancer charities and organisations. Implement strong monitoring and reporting measures to guarantee accountability and transparency in funding distribution. This approach intends to increase worldwide public participation and investment in cancer prevention by allowing people to have an active role in supporting cancer-related efforts

III. Insufficient of Cancer-related information

A significant number of individuals do not have access to educational resources that would enable them to make informed decisions about their health and well-being, which is a significant reason why access to correct and full information on cancer continues to be uneven. While simultaneously weakening attempts to promote early detection and treatment, this information vacuum contributes to the worsening of existing inequalities in cancer care outcomes.

Solution: Create a digital information centre

Create a user-centred digital information centre with informative articles, videos, and infographics about cancer types, treatment options, supportive care services, and coping strategies. Individualised content delivery may reach diverse populations and overcome language and literacy barriers. By democratising cancer knowledge, our approach empowers individuals to avoid, diagnose, and cure cancer.

1.3 Objectives of The Project

I. To develop the Cancer Fighters Network website

This project's goal is to properly design and develop a website for the "Cancer Fighters Network" that provides information about cancer and allows individuals to contribute directly to the organisation as well as an online appointment scheduling system.

II. To enable a user-friendly contribution procedure

The "Cancer Fighters Network" website was designed with the intention of simplifying the process by which online visitors may donate to cancer fighters who need financial assistance for treatment.

III. Provide cancer education and awareness

This website also aims to raise awareness about cancer. Cancer knowledge is important for people. Individuals with access to accurate and comprehensive cancer information are better able to make health-related choices. It helps patients to understand their risk factors, recognise warning signs and symptoms, and take preventative steps to lower their chances of acquiring cancer.

IV. Improves patient outcomes

The "Cancer Fighter Network" aims to enhance patient outcomes by preventing disease progression using healthcare. Online booking systems allow patients to arrange appointments fast, reducing wait times and enhancing treatment availability. For urgent or time-sensitive healthcare needs, this fast intervention allows patients to get immediate diagnosis, treatment, and management. Finally, timely healthcare interventions may enhance sickness outcomes, patient happiness, and health.

1.4 Scope of The Project

I. Project Deliverables

- a) Website Development: The project aims to create a user-friendly website that allows for easy navigation and access to information. Users may rapidly access essential information and engage with interactive tools customised to their unique requirements.
- **b) Easy-to-use Donations:** The website will have user-friendly interfaces and capabilities that make it simple for people to donate, particularly to cancer warriors with financial challenges.
- c) Education and Information: The website will be a comprehensive collection of cancer-related material, providing extensive insights into each individual form of the illness. Users will have access to a plethora of educational materials that dive into the features, risk factors, and prognosis connected with various forms of cancer, giving them the information, they need to better understand about this illness.

II. Project Milestones

Project Milestones Cancer Fighters Network	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14
Planning														
Analysis														
Design														
Implementation														
Testing and Integration														
Maintenance														

Figure 1:Show the project Milestones gantt chart

- **I. Planning Phases:** Scope Definition outlines the features, capabilities, and aims of the "Cancer Fighters Network" program. Risk assessment entails identifying and evaluating possible dangers and difficulties during a project, and developing solutions to minimize or manage them.
- II. Analysis Phases: The analysis phase assesses a project's technical, operational, and economic viability. Required conditions or criteria for achieving a given aim or result. Documentation is the creation of a thorough document outlining the acquired requirements.

- III. Design Phase: System architecture design entails creating a framework that includes all components, modules, and their interactions. User Interface (UI) Design is the process of creating a visually attractive and well-structured layout for a website, with an emphasis on improving usability and accessibility.
- **IV. Implementation phase:** The implementation of the "Cancer Fighters Network" website began after approval. This development phase incorporates the use of HTML, Visual Studio, and database management tools as major components of the implementation.
- V. Testing and Integration Phases: During the testing and integration stages of establishing a cancer Fighters Network website, stringent review methods are carried out to assure the platform's functionality, usability, and dependability. This important period includes several critical tasks
- VI. Maintenance and Support Phases: The maintenance phase includes bug fixes and optimizations. Resolving any identified bugs or faults throughout the testing process. User testing evaluates a product or service by engaging prospective users to get feedback and make necessary improvements. Revising project documentation to reflect maintenance-related changes. Preparing for the Cancer Fighters Network presentation by ensuring the platform is in peak shape.

1.5 Significance of The Project

The project's significance highlights the practical use of its findings. The following list explains the significance of my project:

- I. Empowerment: By offering information that promote self-advocacy and empowerment, the Cancer Fighters Network website encourages people to take an active part in managing their disease. This feeling of empowerment may result in better patient outcomes, enhanced confidence, and a stronger sense of control over one's health.
- II. Early Detection and Prevention: The Cancer Fighters Network website helps to raise awareness about the significance of cancer prevention and early detection. Educational resources and screening protocols assist people in understanding their risk factors, recognizing possible symptoms, and taking proactive efforts to prevent or identify cancer at an early stage, when treatment is most successful.
- III. Accessibility and Convenience: Cancer Fighter Network websites provide an easy way for people to donate from anywhere with an internet connection. This simplicity eliminates obstacles to contributing, enabling individuals to easily support causes they care about.
- **IV. Flexibility:** Users may explore various appointment times and choose the period that best suits their schedule. They do not need physical cueing and consume a significant amount of time and energy.

1.6 Limitation of The Project

To effectively manage expectations and prepare for the Cancer Fighter Network website, it's important to recognize its limits. Here are some possible limitations:

- I. Digital Gap: The project's effectiveness depends on internet connection and digital literacy, which may not be widely accessible. This may hinder participation, particularly among underprivileged populations.
- II. Quality of Information: One of the key constraints of Cancer Fighter Network websites is the quality and dependability of the information given. Cancer Fighter Network websites' material not verified or authorised by medical specialists, resulting in possible inaccuracies or obsolete information that might be detrimental to visitors.
- III. Emotional Support Limitations: While Cancer Fighter Network websites may give useful information on medical treatments and services, they may not sufficiently address the emotional and psychological elements of cancer care. Users may want extra assistance, such as counselling services or mental health resources, which may not be easily accessible via the websites.

CHAPTER II LITERATURE REVIEW

2.0 Literature Review of The Project

Through an exhaustive review of literature, the Cancer Fighter Network emerges as a beacon of innovation in the field of cancer support. Leveraging the transformative power of IT, this platform offers a comprehensive online ecosystem designed to provide holistic support, vital resources, and empowerment to those navigating the intricate landscape of cancer diagnosis and treatment.

Harnessing the capabilities of technology, the Cancer Fighter Network facilitates streamlined features such as online appointment booking and donation facilitation, significantly enhancing access to critical healthcare services. Moreover, the platform serves as a catalyst for community engagement, fostering participation in cancer-related initiatives and advocacy efforts.

Furthermore, the Cancer Fighter Network emerges as a pivotal educational resource, equipping users with invaluable knowledge and practical strategies to navigate the emotional and practical challenges associated with cancer. By offering a wealth of informative articles, videos, and infographics, the platform empowers individuals to make informed decisions about their health and well-being.

In conclusion, the synthesis of existing literature underscores the symbiotic relationship between technology and healthcare, exemplified by the transformative impact of the Cancer Fighter Network. As advancements in IT continue to evolve, the potential for innovation in cancer care remains boundless, promising improved outcomes and enhanced support for individuals and families affected by this disease.

2.1 Review of Current Situation

Here is a brief comparison between three websites dedicated to the cause of the Cancer Fighter Network: Cancer Care Connection, the National Cancer Society of Malaysia, and Cancer Research Malaysia, based on the information provided in the table below:

Website	Cancer Care Connection	National Cancer Society of Malaysia	Cancer Research Malaysia
Last Upload Year	2024	2024	2024
Development Status	Active	Active	Active
Community Support	Yes	Yes	Yes
Technical Support	Yes	Yes	Yes
Latest Features	Donation options, volunteer opportunities, appointment booking	Donation options, educational volunteer, appointment booking	Joint initiatives, donation options
Supported Platforms	Web	Web	Web
Official Website	https://www.cancercareconnection.org/	https://www.cancer.org.my/	https://www.cancerresearch.my/

Table 1: Shows the review of the current situation

In this chapter, a comprehensive evaluation is conducted to assess the effectiveness and impact of these three organizations in addressing cancer and providing assistance to communities affected by the disease. The organizations, namely Cancer Care Connection, the National Cancer Society of Malaysia, and Cancer Research Malaysia, share a common mission of combating cancer and supporting affected communities. They operate broadly, encompassing awareness campaigns, patient support services, and research initiatives.

Key services offered by all three organizations include patient support programs, awareness campaigns, and fundraising events. These services significantly impact communities affected by cancer, helping to improve the quality of life for patients and their families.

Moreover, all these organizations have established crucial partnerships to support their missions and have accessible channels for receiving donations and assisting those affected by cancer.

2.2 Review of Related Products

This analysis of websites dedicated to addressing cancer, including Cancer Care Connection, the National Cancer Society of Malaysia, and Cancer Research Malaysia, requires a thorough examination encompassing their historical background, evolution, organizational framework, strengths, and prominent features. Moreover, the assessment explores how these websites effectively address cancerrelated challenges, enhance operational effectiveness, and facilitate seamless integration in providing support to affected individuals and communities. A meticulous research methodology was adopted to gather relevant information, drawing from diverse sources and databases. Special attention was given to identifying scholarly articles, open-access resources, and philanthropic initiatives associated with these websites. Stringent selection criteria were applied to curate materials elucidating their implementation strategies, community engagement initiatives, organizational architecture, unique attributes, and their impact on cancer mitigation efforts. This comprehensive analysis aims to offer valuable insights into the capabilities of these websites and their potential contributions to the fight against cancer.

Background of Cancer Care Connection

Cancer Care Connection is a non-profit organization dedicated to providing support and resources to individuals and families affected by cancer. Founded with the mission of addressing the practical, emotional, and social needs of cancer patients and their loved ones, Cancer Care Connection offers a wide range of services, including counselling, support groups, educational workshops, financial assistance programs, and access to resources such as transportation assistance and medical supplies. The organization operates with core values of compassion, empathy, and respect, aiming to create a supportive community where individuals can find comfort, guidance, and assistance throughout their cancer journey. Overall, Cancer Care Connection plays a vital role in the cancer community by empowering patients and their families to navigate the challenges of diagnosis, treatment, and survivorship with strength and resilience.

Services Offered by the Cancer Care Connection

Cancer Care Connection offers a comprehensive range of services to support individuals and families impacted by cancer. These services include counselling, support groups, educational workshops, financial assistance programs, and access to resources such as transportation assistance and medical supplies. The organization aims to address the practical, emotional, and social needs of those affected by cancer, providing a supportive community where individuals can find comfort, guidance, and assistance throughout their cancer journey. Through these services, Cancer Care Connection plays a vital role in empowering patients and their families to navigate the challenges of diagnosis, treatment, and survivorship with strength and resilience.

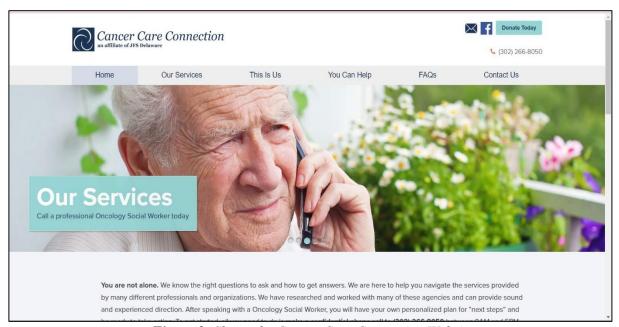


Figure 2: Shows the Cancer Care Connection Website

Background of National Cancer Society of Malaysia

The National Cancer Society of Malaysia (NCSM) is a prominent non-profit organization dedicated to reducing the burden of cancer in Malaysia. With a mission of preventing cancer, saving lives, and supporting those affected by the disease, NCSM has been a leading force in cancer control efforts for over 50 years. The organization's initiatives focus on cancer prevention, early detection, treatment, and support services, aiming to raise awareness about risk factors, promote healthy lifestyles, and advocate for supportive policies. NCSM provides a wide range of services, including cancer screening programs, patient support, counselling, financial assistance, and palliative care. Through collaboration with various stakeholders, NCSM strives to strengthen cancer control efforts and improve access to quality care for all Malaysians, working towards its vision of a cancer-free society.

• Services Offered by the Cancer Research Malaysia

Cancer Research Malaysia offers a variety of services to advance cancer research, prevention, and treatment. The organization conducts cutting-edge research in areas such as epidemiology and molecular biology, aiming to uncover new insights into cancer development and identify personalized treatment approaches. Additionally, Cancer Research Malaysia collaborates in clinical trials to evaluate experimental therapies, conducts community outreach and education programs to raise awareness about cancer prevention and treatment options, and advocates for policies to improve cancer care nationwide. Overall, Cancer Research Malaysia plays a crucial role in enhancing cancer care and reducing the burden of cancer in Malaysia.



Figure 3: Shows the National Cancer Society of Malaysia Website

2.3 Review of Key Features of Zero Hunger Together Websites

The key features of the Cancer Fighter Network website facilitate easy online donations and allow users to book medical checkup appointments. The administrators of the Cancer Fighter Network website efficiently manage their operations through the "Contact Us" facility, addressing any inquiries related to donations or assistance for those in need. Here are some of the key features included in the Cancer Fighter Network website:

I. Online Donations: Users can make donations conveniently through the website to support cancer-related initiatives and patient care programs.



II. Contact Us Facility: The administrators manage inquiries and provide assistance through the "Contact Us" feature, addressing any questions related to donations or support services.















III. Booking Medical Checkup Appointments: The website allows users to book appointments for medical checkups and consultations with healthcare providers.



IV. Online Donation Transaction: The Cancer Fighter Network website streamlines the process of making online donations by allowing users to contribute via debit or credit cards. This essential feature enables users to support cancer patients and their families conveniently by making financial donations to aid in their care and treatment.



2.4 Summary by Comparison

Features Website	Similar Existing Website							
	Cancer Care Connection	National Cancer Society of Malaysia	Cancer Research Malaysia	Cancer Fighter Network				
Mission and Focus	√	✓	✓	✓				
Operational Scope	✓	✓	✓	✓				
Key Services	✓	✓	✓	✓				
Community Impact	√	✓	✓	✓				
Key Partnerships	✓	✓	✓	✓				
Accessibility	✓	✓	✓	✓				
Donation Initiatives	√	✓	√	✓				
Donation Registration	✓	✓	√	✓				
Booking Appointment	√	✓	✓	✓				
Events	✓	✓	✓	✓				

Table 2: Shows the Features of Cancer Fighter Network

In this chapter, a comprehensive evaluation is conducted to assess the effectiveness and impact of these three organizations in addressing cancer and providing assistance to communities affected by the disease. The Cancer Care Connection, the National Cancer Society of Malaysia, and Cancer Research Malaysia all share a common mission of combating cancer and supporting affected

communities. They operate broadly, encompassing awareness campaigns, patient support services, and research initiatives.

Key services offered by all three organizations include patient support programs, awareness campaigns, and fundraising events. These services significantly impact communities affected by cancer, helping to improve the quality of life for patients and their families.

Moreover, all these organizations have established crucial partnerships to support their missions and have accessible channels for receiving donations and assisting those affected by cancer.

The Cancer Fighter Network, alongside these organizations, also emphasizes the importance of booking appointments as an additional service to assist those affected by cancer.

CHAPTER III

METHODOLOGY

This project investigates the Cancer Fighter Network website, which aims to support individuals and families affected by cancer. This chapter will focus on detailing the methodology utilized in the development of the system. The methodology section provides a comprehensive account of how the research was conducted, offering a clear rationale for the selected methodologies. This segment is crucial for establishing the robustness and reliability of the research findings. For the research methodology of the Cancer Fighter Network website, the Software Development Life Cycle (SDLC) has been adopted as the guiding framework. This approach ensures a structured and systematic development process tailored to the unique requirements of a cancer support website, thereby enhancing the reliability and effectiveness of the research outcomes.

3.1 Project Methodology

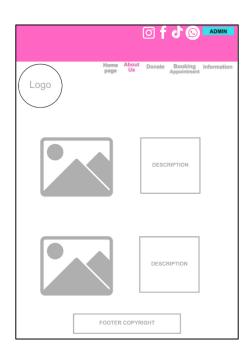
The methodology section delineates the procedures employed to conduct the research and the rationale behind adopting specific methodologies. It serves as a means to illustrate the comprehensive and dependable nature of the research. In the context of this research, the Software Development Life Cycle (SDLC) is chosen as the foundational framework.



Figure 4: Shows the six Software Development Life Cycle phases

- I. Planning Phases: Scope Definition delineates the features, capabilities, and objectives of the "Cancer Fighters Network" initiative. Risk assessment involves identifying and evaluating potential hazards and challenges throughout the project, with a focus on developing strategies to mitigate or address them effectively.
- II. Analysis Phases: The analysis phase evaluates the technical, operational, and economic feasibility of the project. It establishes the necessary conditions or criteria for achieving specific goals or outcomes. Documentation involves creating a comprehensive document outlining the gathered requirements.
- **III. Design Phase:** During the design phase, the project progresses to develop the website's design. A detailed storyboard is crafted to outline the structure and layout of the webpages slated for development, serving as a guide throughout the design process.



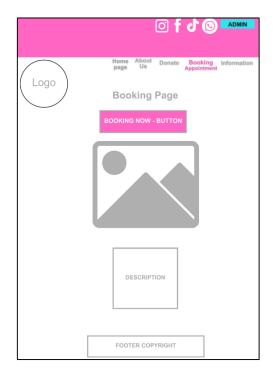


Home Page

About Us Page



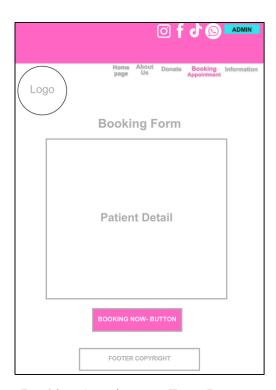
Donate Page



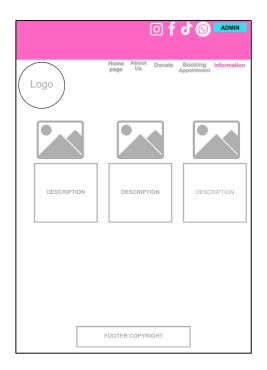
Booking Appointment Page



Donation Form



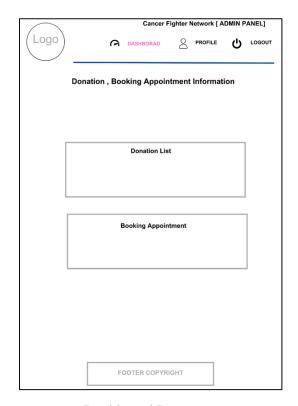
Booking Appointment Form Page



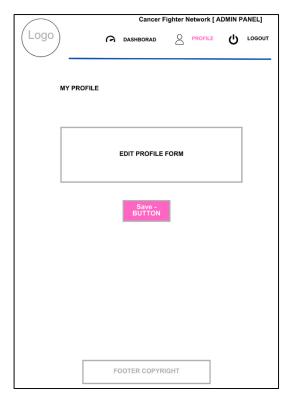
Information Page



Admin Login Page



Dashboard Page



Profile Page

- **IV. Implementation Phase:** The implementation of the "Cancer Fighters Network" website commences following approval. This development phase integrates HTML, Visual Studio, and database management tools as primary components of the implementation process.
- V. Testing and Integration Phases: During the testing and integration stages of establishing the Cancer Fighters Network website, rigorous review methods are employed to ensure the platform's functionality, usability, and reliability. This critical phase encompasses various essential tasks.
- VI. Maintenance and Support Phases: The maintenance phase involves addressing bug fixes and implementing optimizations. It entails resolving any identified issues or faults encountered during the testing process. User testing facilitates gathering feedback from potential users to make necessary improvements. Additionally, project documentation is revised to reflect maintenance-related changes. Preparations for the Cancer Fighters Network presentation involve ensuring the platform is in optimal condition.

3.2 Hardware and Software Requirement

In clearer terms, every website development project requires precise hardware and software specifications. This is crucial because both hardware and software play vital roles in ensuring the smooth functioning of the system. Furthermore, a computer or server needs suitable hardware and software components to operate the Cancer Fighters Network presentation website efficiently. Below is a detailed list of the necessary hardware and software to be used during the project's development

I. Hardware Specification

Hardware Specification	
Processor	Intel® Core™ i5-1035G1
Installed Memory	8.00 GB
Usable Memory	7.75 GB (due to system allocations)
Operating System	64-bit
Processor Architecture	x64-based
Pen and Touch Support	None

 Table 3: Shows the Hardware Specification

II. Software Specification

Software Specification	
Operating System	Windows
Primary Web Editor	Visual Studio
Code Testing	Visual Studio
Online Resources	GitHub
Learning and Tutorials	YouTube
Database Management	MySQL
Database Administration	phpMyAdmin

Table 4: Shows the software Specification

3.3 Flow Chart

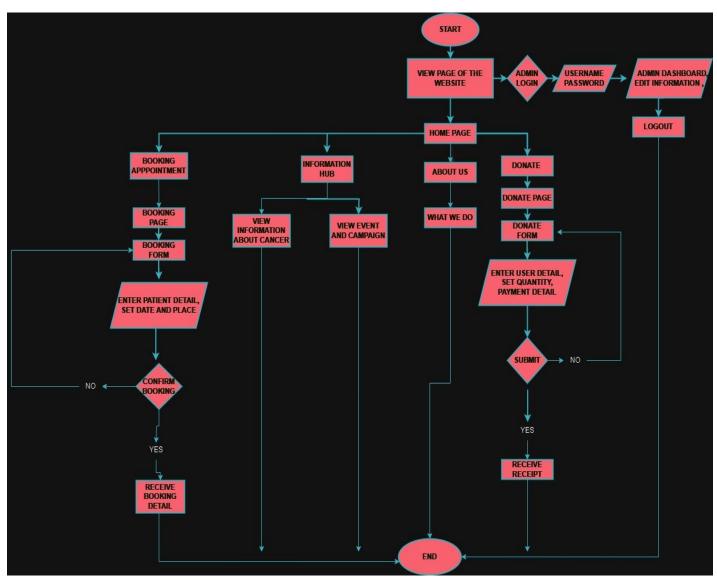


Figure 5: Shows the flow chart of Cancer Fighter Network

3.4 Context Diagram

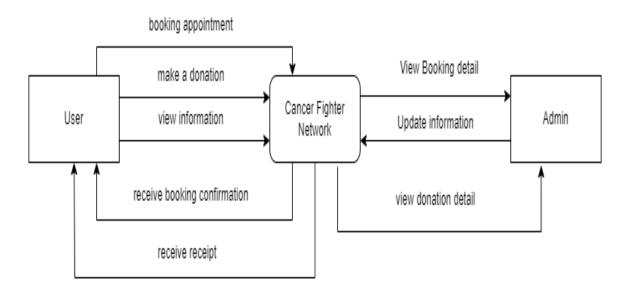


Figure 6: Shows the Context Diagram for Cancer Fighter Network.

3.5 Project Schedule

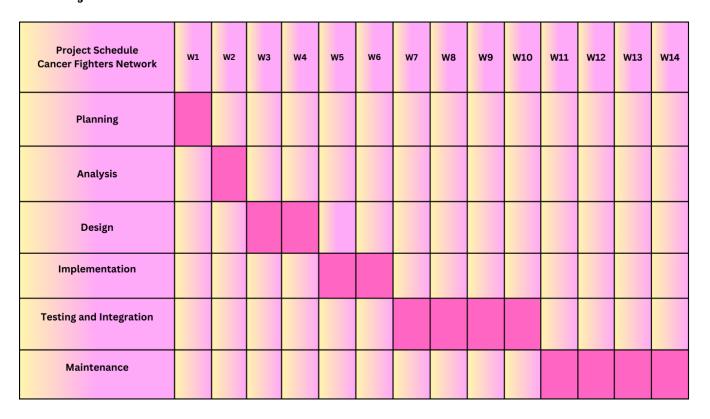


Figure 7: Shows the Project Schedule

- I. Planning: Scope Definition outlines the features, capabilities, and aims of the "Cancer Fighters Network" program. Risk assessment entails identifying and evaluating possible dangers and difficulties during a project, and developing solutions to minimize or manage them. Additionally, one week is allocated for this phase.
- II. Analysis: The analysis phase assesses a project's technical, operational, and economic viability. Required conditions or criteria for achieving a given aim or result are determined. Documentation is the creation of a thorough document outlining the acquired requirements. This phase continues for the second week.
- **III. Design:** System architecture design entails creating a framework that includes all components, modules, and their interactions. User Interface (UI) Design is the process of creating a visually attractive and well-structured layout for a website, with an emphasis on improving usability and accessibility. Two weeks are allocated for this phase, spanning from week 3 to week 4.

- **IV. Implementation:** The implementation of the "Cancer Fighters Network" website begins after approval. This development phase incorporates the use of HTML, Visual Studio, and database management tools as major components of the implementation. Two weeks are allocated for this phase, spanning from week 5 to week 6.
- V. Testing and Integration: During the testing and integration stages of establishing a Cancer Fighters Network website, stringent review methods are carried out to assure the platform's functionality, usability, and dependability. This important period includes several critical tasks. Four weeks are allocated for this phase, spanning from week 7 until week 10.
- VI. Maintenance and Support: The maintenance phase includes bug fixes and optimizations, resolving any identified bugs or faults throughout the testing process. User testing evaluates a product or service by engaging prospective users to get feedback and make necessary improvements. Revising project documentation to reflect maintenance-related changes. Preparing for the Cancer Fighters Network presentation by ensuring the platform is in peak shape. Four weeks are allocated for this phase, spanning from week 11 until week 14.

CHAPTER IV

IMPLEMENTATIONS AND RESULTS

In the Implementation and Results chapter, a comprehensive overview of the 'Cancer Fighter Network' website is presented. Actual images of the website are included, along with detailed explanations about each function.

4.1 The Cancer Fighter Network Interface

I. Homepage

The home page has a welcome message: "Welcome to Cancer Fighter Network." Below this message, there are buttons labeled About Us, Donate, Booking Appointment, and Information Hub. Users can click these buttons to navigate directly to the respective pages. Additionally, the home page features a Contact Us section for users to get in touch with us.

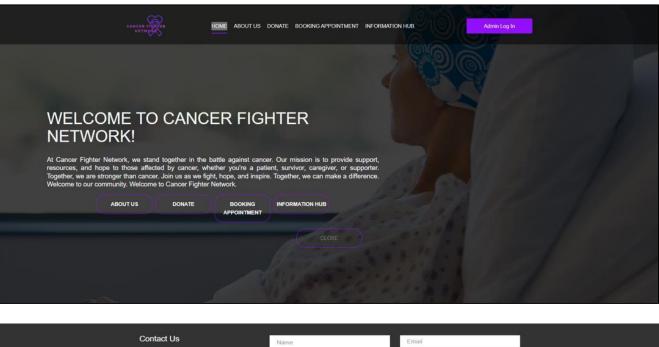




Figure 8: Shows the Cancer Fighter Network Homepage

II. About Us Page

The About Us page on the Cancer Fighter Network website provides detailed information about our organization and its purpose. Users can learn about our mission to support individuals and families affected by cancer through various initiatives. Additionally, the page includes a "Next" button for users to proceed to the next section or explore further details about our efforts and goals.

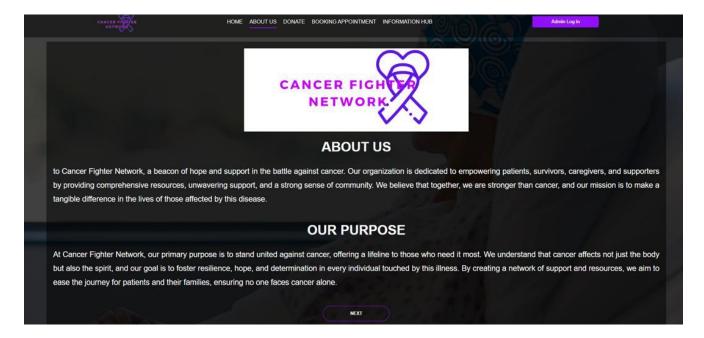
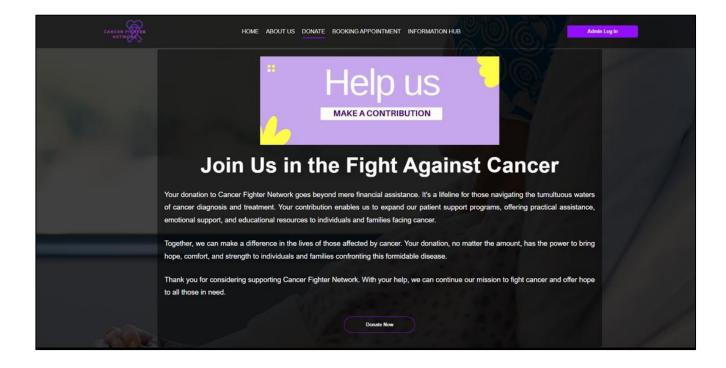


Figure 9: Shows the Cancer Fighter Network About Us Page

III. Donate Page

On our donation page, visitors will find comprehensive information about the Cancer Fighter Network and its mission. Below this detail, there is a prominent 'Donate Now' button. Clicking this button directs users to the donation page where they can fill out their personal information, including name, phone number, email address, payment method, card details, and donation amount. Once completed, users can click 'Donate' to proceed. A confirmation email with a receipt of payment will be sent to the user afterward. This ensures transparency and provides donors with documentation for their generous contributions to our cause in supporting cancer patients and their families.



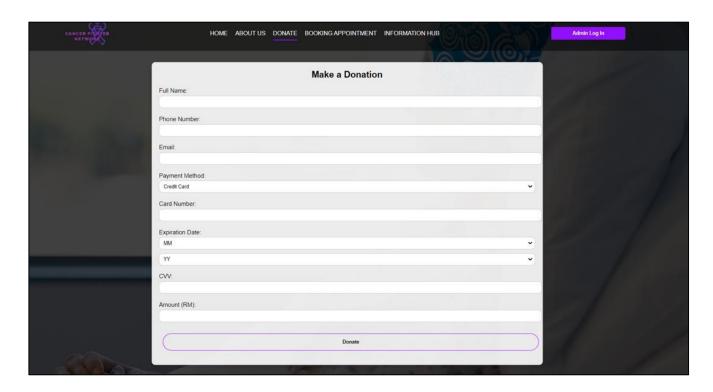
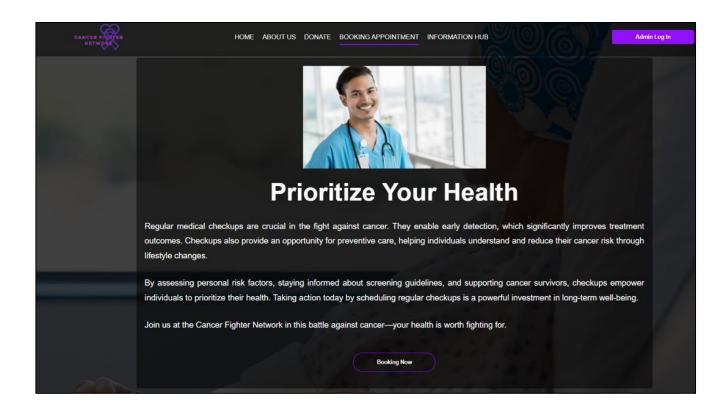


Figure 10 : Shows the Cancer Fighter Network Donate Page

IV. Booking Appointment Page

On the Cancer Fighter Network Website's Booking Appointment page, you'll find essential information about medical checkups. Below this information, there is a prominent button labeled "Book Now" for scheduling your appointment. Users can click directly to access the medical checkup booking form, where they can provide their name, email, phone number, IC number, and select a hospital near their location. Additionally, users can choose their preferred date and time for the appointment. This streamlined process ensures that users can easily schedule their medical checkups for prompt and convenient healthcare access.



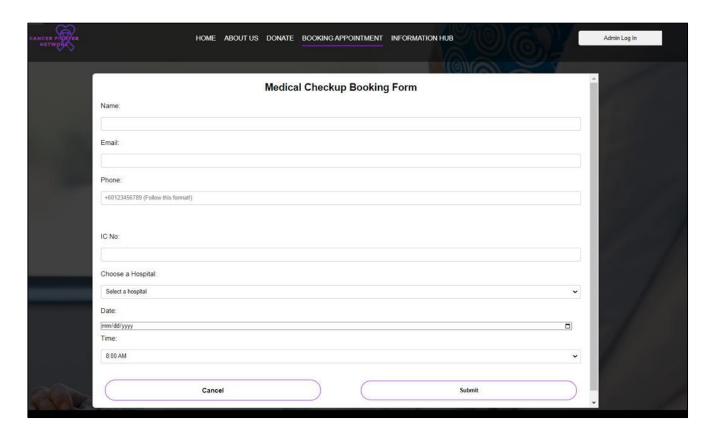
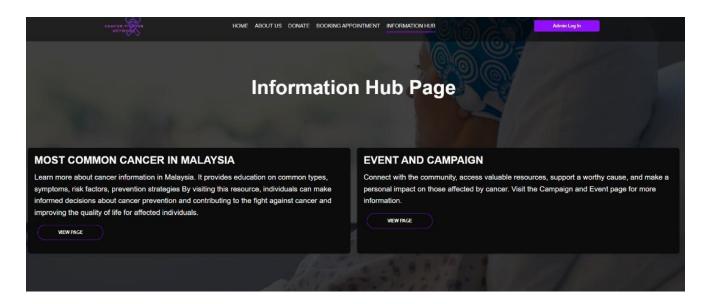


Figure 11: Shows the Cancer Fighter Network Booking Appointment Page

V. Information Hub Page

The Information Hub on the Cancer Fighter Network website offers a comprehensive resource center for users. Here, users can choose to explore detailed information about cancer or events related to cancer. This section includes information on the most common cancers in Malaysia, covering symptoms, prevention tips, and statistics. Additionally, users can find details about various events and campaigns that have been held, such as awareness drives, support group meetings, and fundraising activities. The purpose of this page is to attract more users to become contributors, engaging them with valuable insights and opportunities to support the fight against cancer.





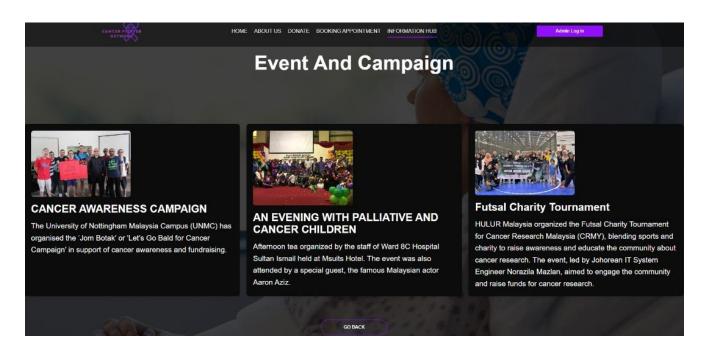


Figure 12: Shows the Cancer Fighter Network Information Hub Page

VI. Admin Login

The Admin Login Page allows administrators to securely access the dashboard, where they can manage and update the Cancer Fighter Network website.

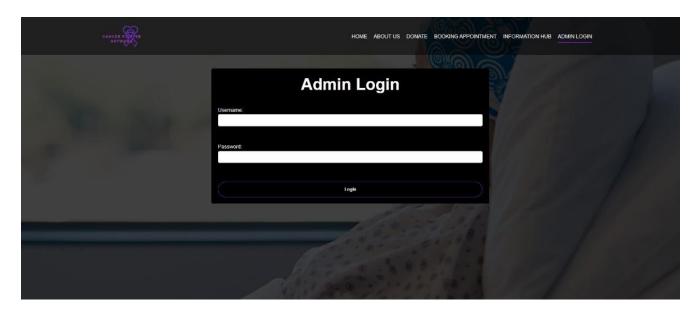


Figure 13: Shows the Cancer Fighter Network Admin Login

VII. Admin Dashboard page

To access the administrative functions, the administrator is required to log in by entering a designated username and password. This authentication process ensures a secure and controlled access point, enhancing the overall security of the system. By providing the correct credentials, the administrator gains exclusive entry to the backend, where they can manage and oversee various aspects of the system, contributing to a seamless and protected administrative experience.

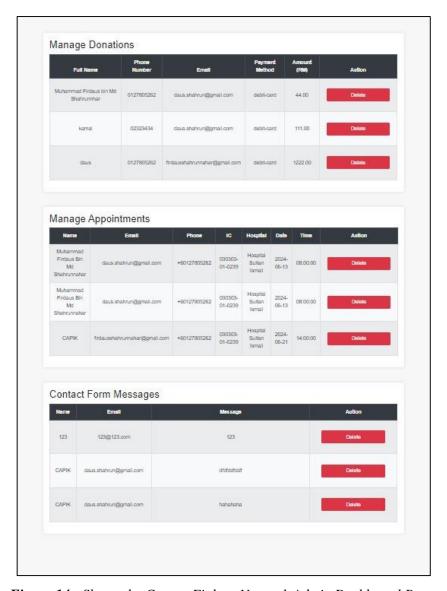


Figure 14: Shows the Cancer Fighter Network Admin Dashboard Page.

VIII. Admin Edit About Us page

Administrators can update the content of the About Us page from here. All the information can be edited to ensure it stays current and accurate.

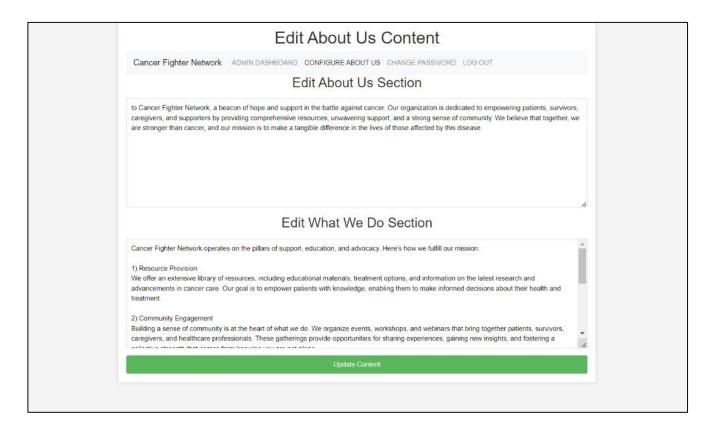


Figure 15: Shows the Cancer Fighter Network Admin Edit About Us Page

IX. Admin Change Password page

On the admin package page, the administrator has the capability to easily manage packages. To add a new package, for example, the "Ramah" package, the administrator simply needs to fill in the required details in the provided fields. These details include the session type, a brief description, included menu items, and the corresponding price.

This seamless process ensures that the administrator can effortlessly update existing packages. Additionally, the admin has the ability to delete and edit old packages. This flexibility allows the administrator to efficiently manage the list of packages, adapting it to current needs and preferences.

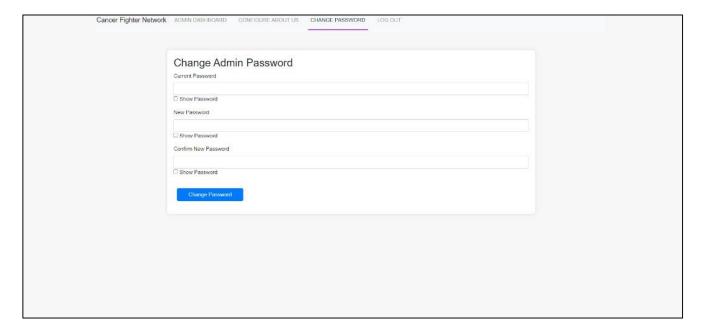


Figure 16: Shows the Cancer Fighter Network Admin Change Password Page

CHAPTER VI CONCLUSION

5.1 Summary

The "Cancer Fighter Network" website is designed in alignment with Sustainable Development Goals (SDGs), specifically focusing on SDG 3: Good Health and Well-being. The frontend of the website utilizes HTML, CSS, and JavaScript to create a responsive and engaging interface, promoting health and well-being in accordance with SDG 3.

The backend of the website is powered by PHP, and the SQL database is managed through MySQL with the assistance of phpMyAdmin. This setup ensures sustainable and efficient information management. The use of these technologies represents a proactive step towards achieving the sustainable development goals outlined by the SDGs, particularly in improving health and well-being.

Profiles of medical professionals and experienced individuals, as well as community health initiatives, are handled using HTML and CSS to provide high-quality information supporting the objectives of SDG 3. JavaScript functions are also employed to enhance the responsiveness and usability of the website, in line with the principles of sustainable development and health improvement initiatives.

In conclusion, the Cancer Fighter Network website not only aims to provide support and resources to individuals and families affected by cancer but also strives to adhere to the principles of sustainable development, particularly SDG 3, in promoting good health and well-being.

5.2 Future Improvements

I. Expanding Donation Options for Personalized and Inclusive Impact

Future improvements offer the opportunity to broaden the range of donation options by providing more choices for contributors who wish to offer support. By introducing additional donation options, the Cancer Fighter Network can create a more inclusive and personalized experience, allowing each individual to select a method and purpose of donation that aligns with their values and preferences. This approach is expected to better motivate and meet the expectations of contributors, while simultaneously enhancing the positive impact that can be achieved through their contributions.

II. Optimizing Social Media Strategy for Enhanced Volunteer and Donation Engagement

Enhancing social media announcements with clear and impactful messaging, compelling visuals, strong calls-to-action, and the highlighting of success stories aims to attract both volunteers and donations. Incorporating social proof and actively engaging with the audience through questions and comments will create a sense of community. Leveraging relevant hashtags will boost the visibility of the cause, ultimately inspiring meaningful participation.

III. Optimizing Mobile Experience for Cancer Fighter Network Website

Provide mobile accessibility and responsiveness on the Zero Hunger Together website to ensure a seamless and user-friendly experience for visitors accessing the site from mobile devices. This enhancement will contribute to a more inclusive and convenient platform, encouraging broader participation in our collective efforts to combat hunger.

5.3 Conclusion

In conclusion, the journey through my Diploma in Information Technology program has been a rewarding one, culminating in the development of the Cancer Fighter Network, a platform designed to offer support, resources, and hope to those affected by cancer. As I reflect on this final project, I am reminded of the dynamic nature of the IT field and the profound impact it can have on society. Through this project, I have not only applied the skills and knowledge acquired during my studies but have also made a tangible contribution to addressing real-world challenges.

The Cancer Fighter Network stands as a testament to the potential of technology to improve lives and promote positive change. By providing a platform for donations to cancer organizations, facilitating online appointment booking for medical services, and offering valuable information and resources, it addresses multiple aspects of the cancer experience in a comprehensive and user-friendly manner.

As I embark on the next phase of my journey, I carry with me the lessons learned and the experiences gained throughout this program. I am filled with optimism and determination to continue leveraging technology for the betterment of society, knowing that the pursuit of knowledge and innovation will always be essential for growth in the ever-evolving landscape of information technology.

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5.5 Appendix



Figure 17: Shows the Cancer Fighter Network logo