

# FPT ACADEMY INTERNATIONAL FPT – APTECH COMPUTER EDUCATION

**Centre Name: ACE-THUDUC-1-FPT** 

Address: 62 Street 36, Van Phuc Residential Area, Hiep Binh Phuoc Ward, Thu Duc City, Viet Nam.

# **Hospital**

Supervisor.	Mr. Pham Cong Danh				
Batch.	T5.2	2308.M0			
Group.	G	roup 3			
Serial No.	Enrollment	Student Name			
	Number				
1.	Student1501062	Pham Huu Nam Anh			
2.	Student1501263	Ngo Doan Anh Khoi			
3.	Student1501159	Le Khoa			
4.	Student1501300	Vuong Huu Thang			
5.	Student1501274	Tran Vinh Quang			

Dec-06-2023

Mr.:			
	 Pham Huu Nam Anh		
	Ngo Doan Anh Khoi		
	Le Khoa		
	Vuong Huu Thang_		
	Tran Vinh Quang		
as successf	ully designed & develor	oed	
	eProject: Cambridge Hospita	al	
ubmitted by	: Ngo Doan Anh Khoi		

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#### **ACKNOWLEDGEMENT**

On behalf of myself, I would like to thank all members of group 3 for your hard work and contribution towards the completion of this eProject. I would also like to show my gratitude for Mr. Pham Cong Danh for his valuable assistance during both the planning and development phase. Finally, I would like to thank Aptech for allowing us the opportunity to hone our programming skills and test ourselves on real-life problems.

#### **SYNOPSIS**

DURABLE FURNITURES is selling various types of Furniture's. The company advertises by distributing the pamphlets, advertising on television and so on. Due to rapid development in internet field, the company decides to launch a website where people will get all the information about the various products available with them easily. You are supposed to create a website for them with the below mentioned requirement specifications.

#### PROBLEM DEFINITION

The Web site is to be created based on the following requirements.

- 1) The Home Page with some description about the Cambridge Hospital like who is the founder and some of the achievements of handling critical cases.(Also navigational link must be included.)
- 2) The website must provide information like "About us", "Department", "Facility", "Services", "Centres", "Academic", "Contact Us", "Vacancies", "Query", Feedback", "Success Stories".
- 3) Each section must provide brief information.
- 4) Also each link must be properly hyperlinked, images must be used wherever necessary.
- 5) Contact Us page must flash the address of all the location where the hospital is located. Address of the hospital should be displayed using GeoLocation API (eg. GoogleMaps).
- 6) Department details like "helpdesk", "registration", "Doctor Schedule", Billing and Accounts" and so on must be included.
- 7) Facility like "rooms", ICU", Medical Facility", "Other Facility".
- 8) Services like "general services", "Health Checkup", "Specialties" and so on.
- 9) Centres like "diagnostic centre", "cancer centre", "heart centre", "community health centre".
- 10) Feedback must be taken.

) Query must be allowed to enter.	

#### **CUSTOMER'S REQUIREMENTS SPECIFICATIONS (CRS)**

**Client: Durable Furnitures** 

#### **Business/Project Objective:**

The Objective of this program is to give a sample project to work on real life projects. These applications help you build a larger more robust application.

The objective is not to teach you JavaScript/Dreamweaver but to provide you with a real life scenario and help you create basic applications using the tools.

You can revise the chapters before you start with the project.

This project is meant for students who have completed the module of *HTML5*. These programs should be done in the Lab sessions with assistance of the faculty if required.

It is very essential that a student has a clear understanding of the subject. Students should go through the project and solve the assignments as per requirements given.

Kindly get back @ eprojects@aptech.ac.in in case of any doubts regarding the application or its objectives.

#### **Input to the system:**

Browsing products based on brands, type of appliances.

#### **Output from the system:**

- A menu that will categorize all the functions of the site.
- Display the list of available albums category wisely.
- Perform the brief comparison by showing 2 products of the same type with their details.
- Site should be able to provide brief introduction/history about the company under About Us page.
- The location of the company is in Contact Us page.
- Besides the above requirements, the site should have look and feel as per the industry standards.

Expected delivery date: Dec-06-2023.

#### **List of deliverables:**

- Document Word.
- User Guide.
- Source code.

# **Hardware/ Software Requirements:**

#### Hardware

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better.
- 64 Megabytes of RAM or better.

#### **Software**

- Notepad/HTML editor.
- Dreamweaver, VisualStudioCode.
- IE 5.0/ Netscape 6.0.

#### **SCOPE OF THE WORK (IN BRIEF)**

The team has discussed and has agreed about the website layout as shown briefly below

- 1. **Home**: The hospital's homepage has vivid images of the preliminary facilities and hospital campus, talks about the reputation of doctors and commends doctors with many years of long-term achievements, or cases of special and rare diseases that have been cured at the hospital, tell about the living strength of patients who strive to overcome special circumstances, state the achievements the hospital has achieved over many years or recent great achievements This.
- 2. **Navbar**: The navigation bar will have hyperlinks to the components and have login and registration, when logged in it will display Billing (Payment) and patient registration.
- 3. About Us: About Us, will provide hospital information and hospital location, development history, mission and commitment, services and specialties, medical team, facilities and technology, quality and safety of the hospital, hospital, prestigious awards the hospital has achieved over the years, hospital contact information.
- 4. Department: The department will have small sections called Helpdesk and Doctor Schedule, in the helpdesk there will be detailed instructions on where to go to best support medical staff, Doctorschedule will describe the doctor's schedule in detail. so that patients
- 5. **Facility**: Facilities will have small items, such as patient rooms will have realistic images, comfortable beds, ensuring the best hygiene for convalescent patients, ICU will have the best facilities to support patients. Support for seriously ill patients and have the best medical team on duty 24/7 to ensure nothing unusual happens. medical facility will show a panoramic view of the hospital's most advanced machines. Along with the development of 4.0, our hospital always

updates the best treatment methods for patients. Other medical facilities will have recovery room, reading room, practice room,

6. **Services**: The general server is about a tight security system and the server will store patient records for the longest and most secure period.

#### 7. Centres:

- a) ...Diagnostic center: Medical examination and treatment, health examination, training, scientific research, international cooperation, disease prevention, on-demand services for organizations and individuals in need
- b) ...cancer center: is a treatment method to detect potentially dangerous cancer pathogens hidden inside the body. Conducted using the visual expectation method, testing and checking other certifications. From there, we can promptly detect malignant diseases that are causing "disorders" in the body.
- c) ...cardiovascular center: Actively participate in the prevention and control of Covid 19 epidemic

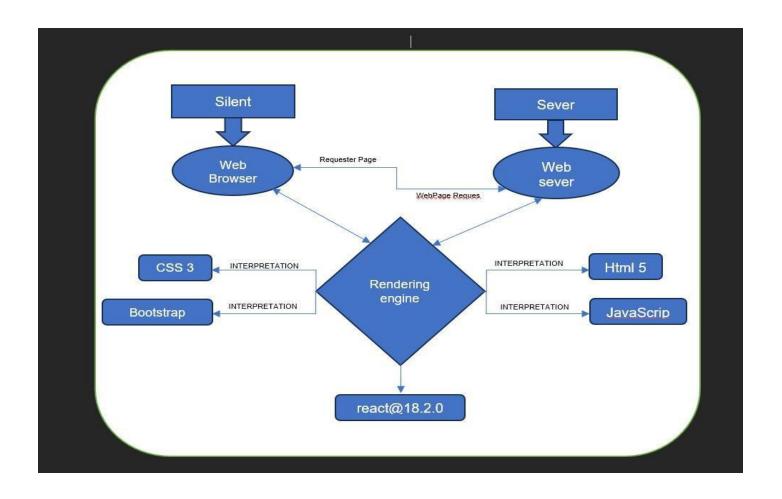
Provide emergency assistance to critically ill patients when required. Organize on-site training, continuous training, and improve professional qualifications for medical staff at the Center, students and medical staff in the province.

Organize scientific research and technology transfer to lower levels.

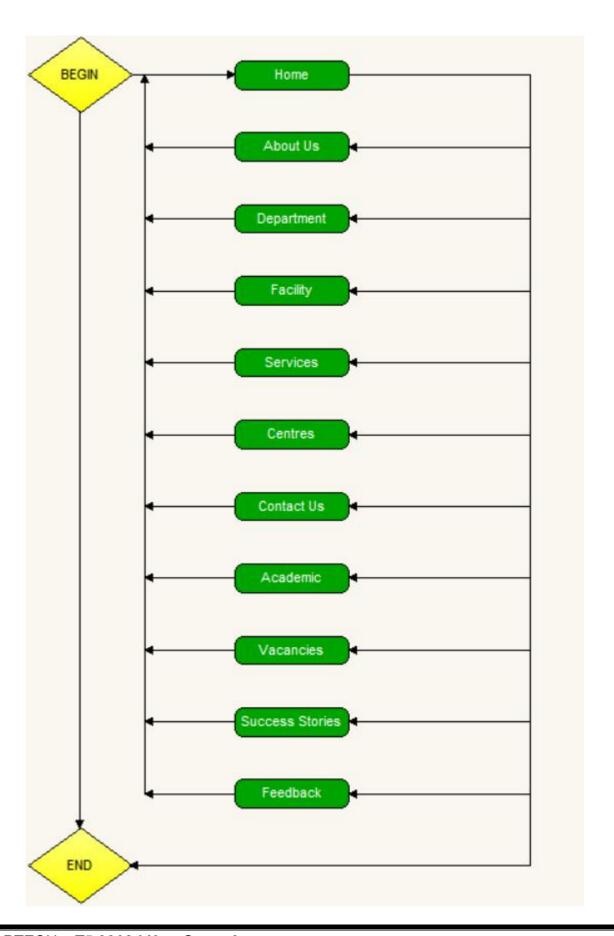
Clinical practice guidance for students

- d) ...Community health centers: Carry out activities providing specialized technical services on preventive medicine and carrying out disease prevention activities
- 8. **Academic**: Academic describes patient research progress, new therapeutic approaches for patients.
- 9. **Vacancies**: Vacancies will have a registration form including name, place of residence, photo, upload CV, will be sent
- 10. **Sucess stories:** Sucess stories will feature stories about doctors, candid photos, and personal achievements.

# Architecture and design of the system



# Diagram of the website



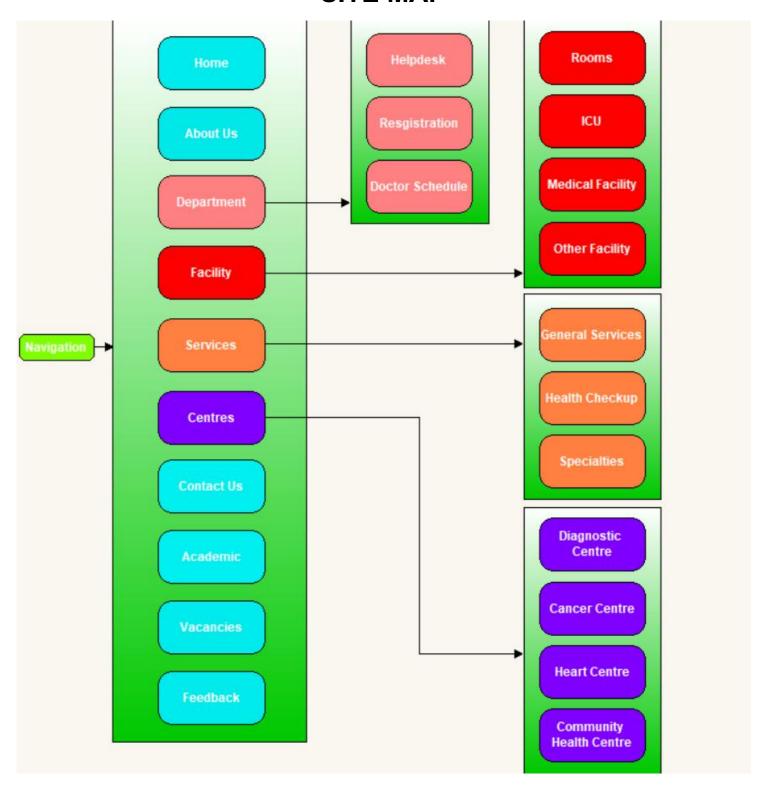
### **TASK SHEET REVIEW 1**

Project Ref. No.:  eP/Advertisement Portal  Management  System/01			Activity Plan Prepared By:	Date of Preparation of Activity Plan:					
		Project Title:							
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status		
1	Problem Statement			Nov-06-2023	1	Khoa, Khoi, Anh, Thang, Quang	Completed		
2	Analysis of the requirements about the website	Hospital		Nov-06-2023	1	Khoa, Khoi, Anh, Thang, Quang	Completed		
3	The scope of the work (in brief)		Hos <del>n</del> ital	Hos <del>p</del> ital		Nov-06-2023	1	Khoa, Khoi, Anh, Thang, Quang	Completed
4	Architecture and design of the system		Khoi	Nov-06-2023	1	Khoa, Khoi, Anh, Thang, Quang	Completed		
5	Diagram of the website					Nov-06-2023	1	Khoa, Khoi, Anh, Thang, Quang	Completed
6	Task Sheet			Nov-06-2023	1	Khoa, Khoi, Anh, Thang, Quang	Completed		

Date: 15/11/2023

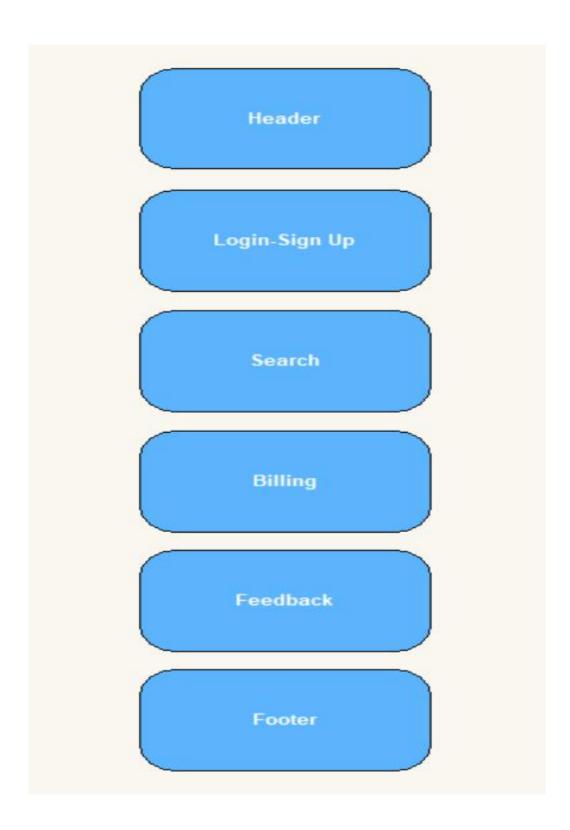
Signature of Instructor:	Signature of Team Leader:
ŭ	3
Mr. Pham Cong Danh	Mr. Ngo Doan Anh Khoi

#### SITE MAP

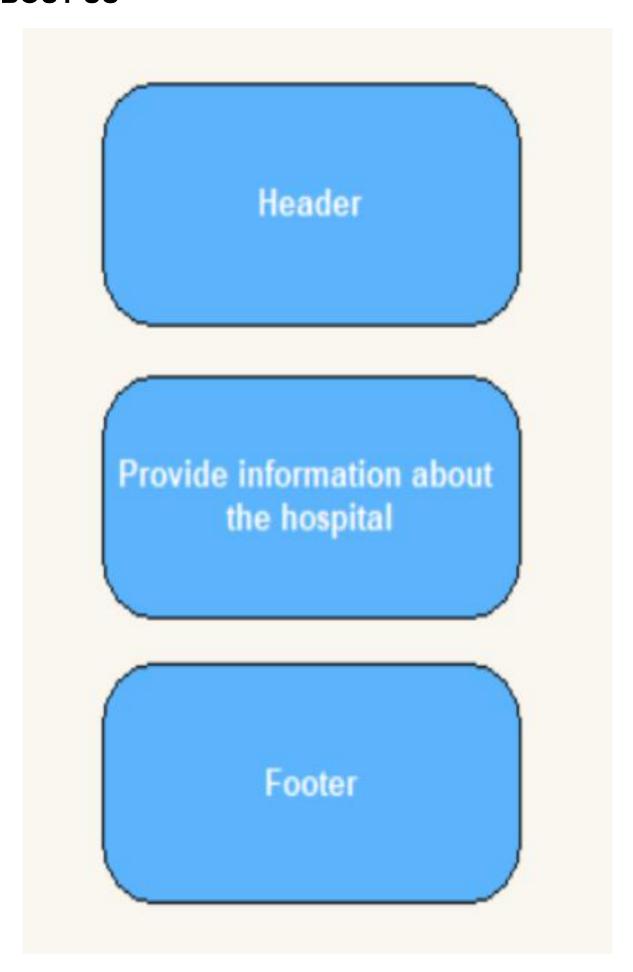


# **MOCK OF THE WEBSITE**

#### 1. HOME

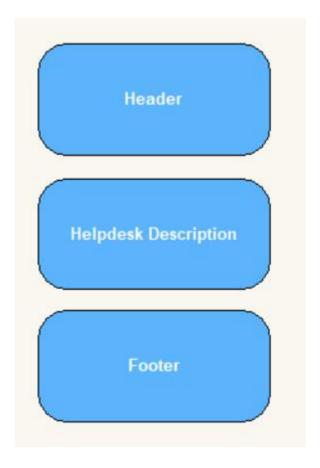


#### 2. ABOUT US



#### 3. DEPARTMENT

#### • HELPDESK



#### • RESGISTRATION

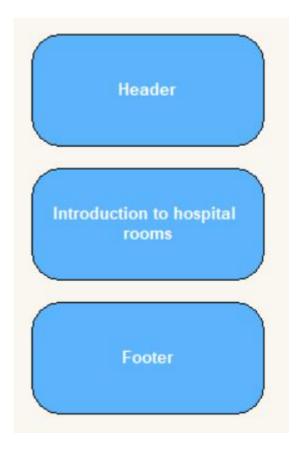


# • DOCTOR SCHEDULE

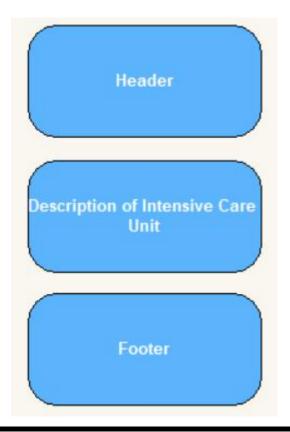


### 4. FACILITY

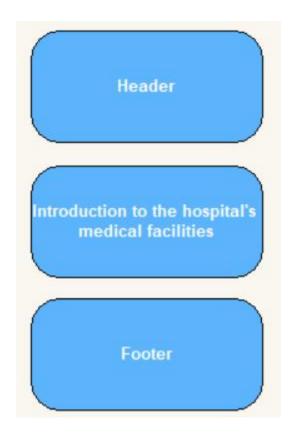
### • ROOMS



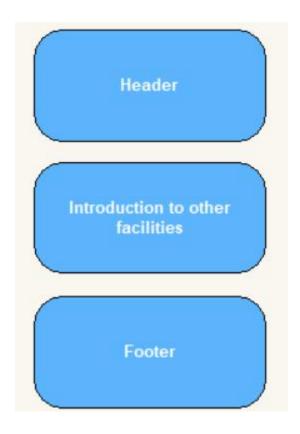
### • ICU



### • MEDICAL FACILITY

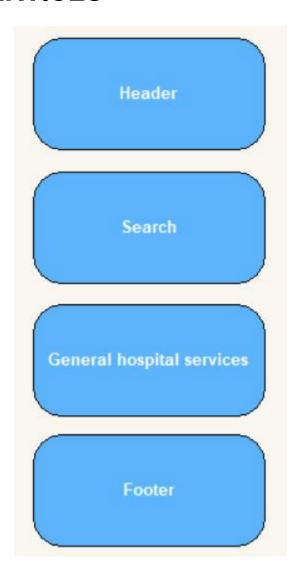


### • OTHER FACILITY

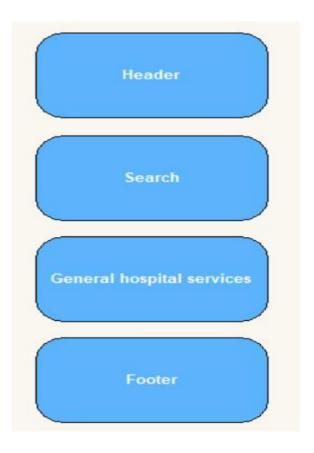


### **5. SERVICES**

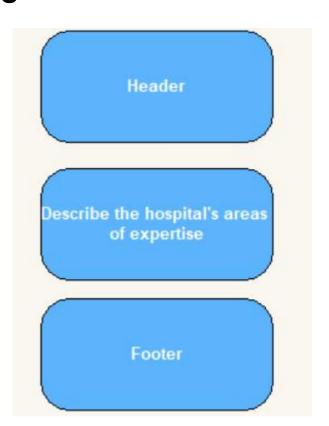
### • GENERAL SERVICES



### • HEALTH CHECKUP



### • SPECIALTIES



#### 6. CENTRES

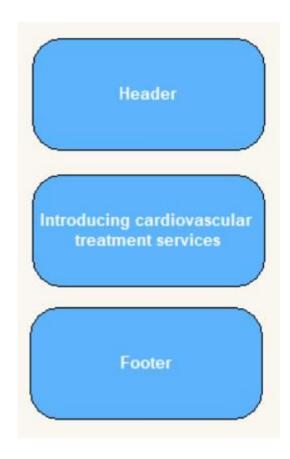
### • DIAGNOSTIC CENTRE



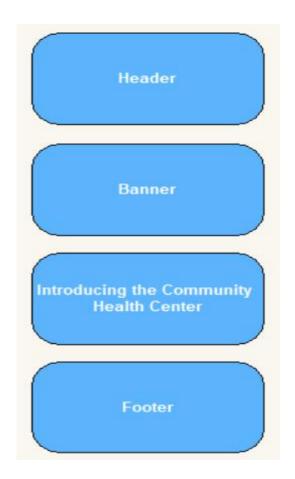
### • CANCER CENTRE



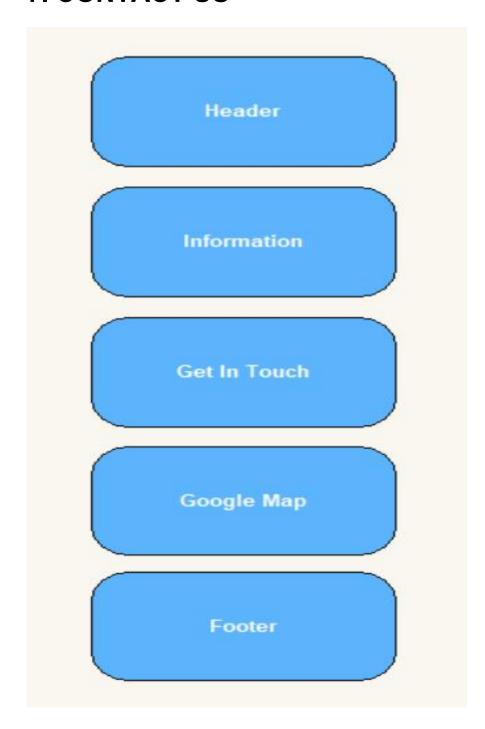
#### • HEART CENTRE



### • COMMUNITY HEALTH CENTRE



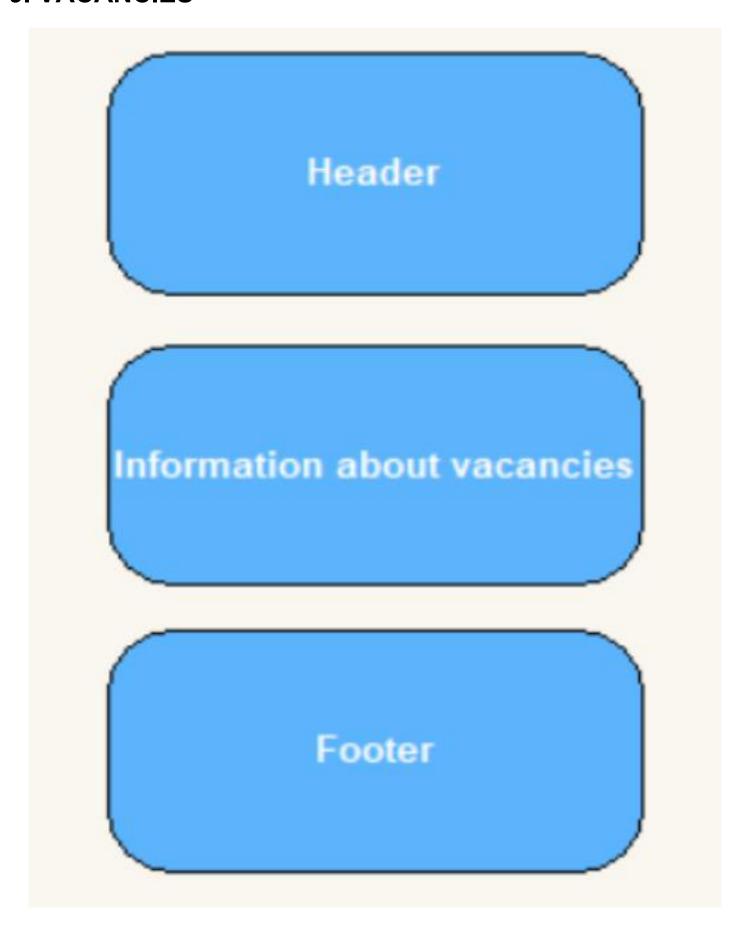
### 7. CONTACT US



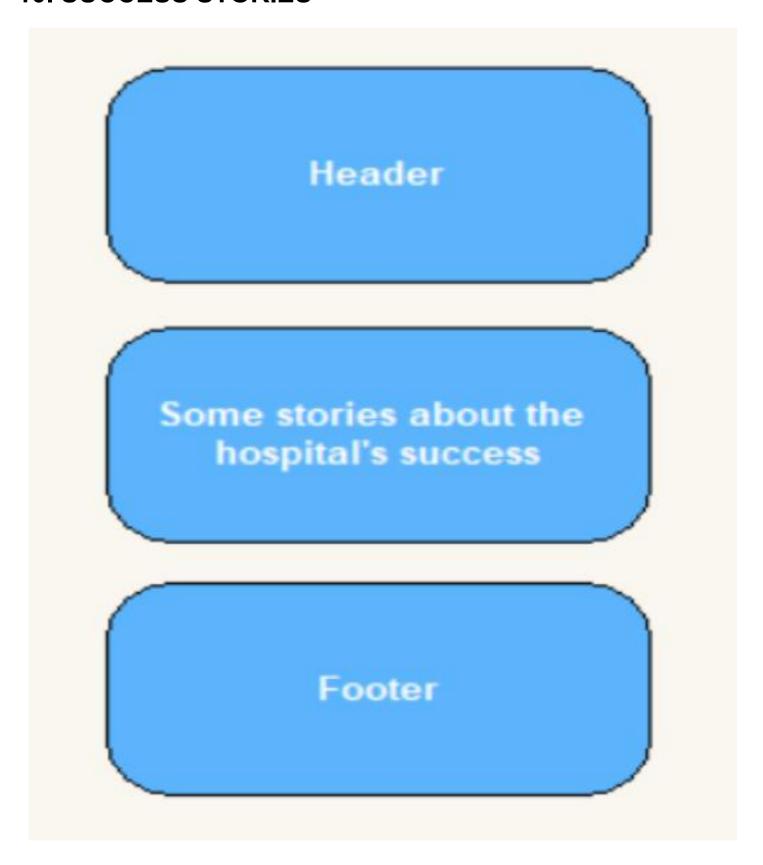
#### 8. ACADEMIC



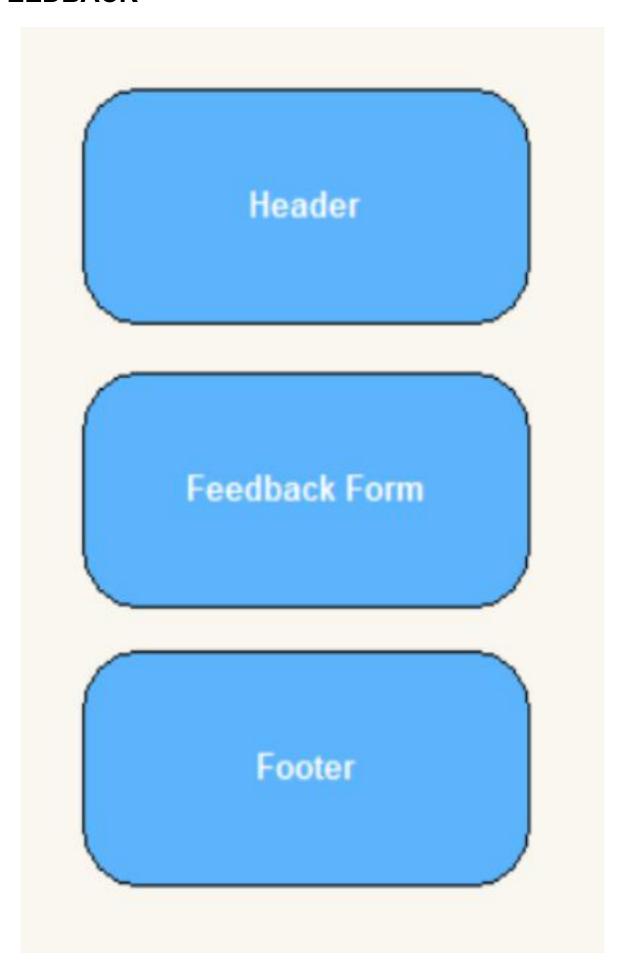
#### 9. VACANCIES



### **10. SUCCESS STORIES**



### 11. FEEDBACK



# **TASK SHEET REVIEW 2**

Project Ref. No.:  eP/Advertisement Portal  Management  System/01		Project Title:	Activity Plan Prepared By:					
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status	
1	Site map	Hospital	Hospital Khoi	Nov-16-2023	1	Khoa, Khoi, Anh, Thang, Quang	Completed	
2	Mock of the website			Nov-16- 2023	1	Khoa, Khoi, Anh, Thang, Quang	Completed	
3	Task Sheet			Nov-16- 2023	1	Khoa, Khoi, Anh, Thang, Quang	Completed	

Date: 24/11/2023				
Signature of Instructor:	Signature of Team Leader:			
Mr. Pham Cong Danh	Mr. Ngo Doan Anh Khoi			

#### **WEBSITE DESCRIPTION**

#### 1. HOMEPAGE

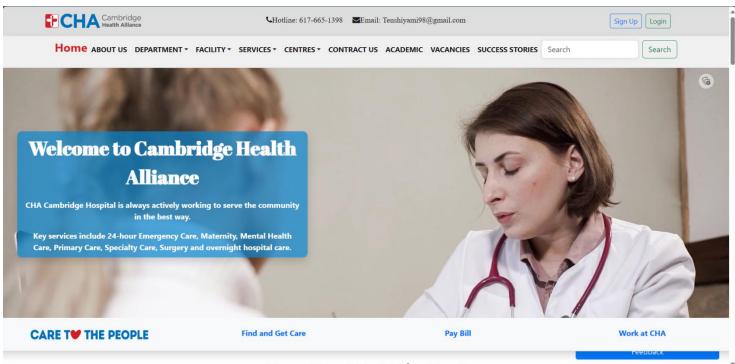


Figure 1: Header

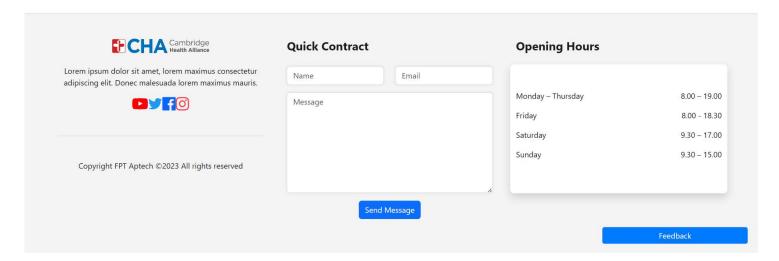


Figure 2: Footer

#### 2. BLOG HOMEPAGE

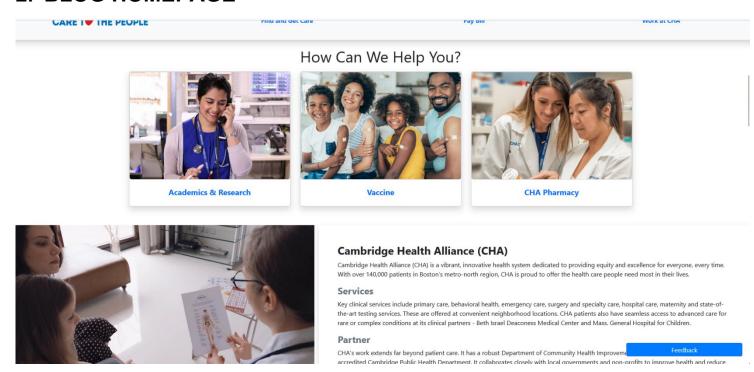


Figure 3: Introduction to the hospital

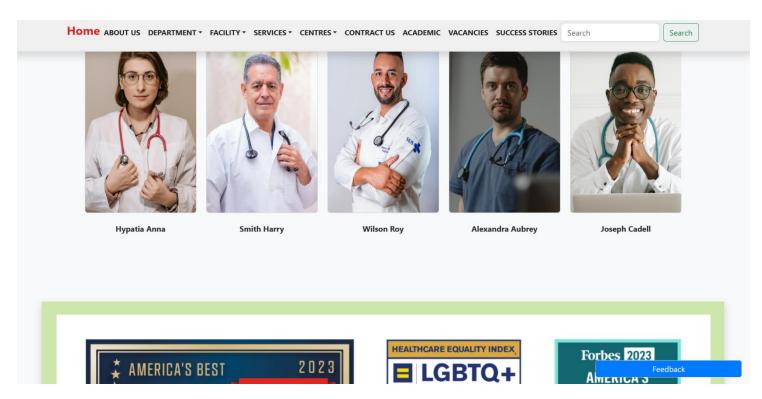


Figure 4: Introduction to the

#### 3. LOGIN

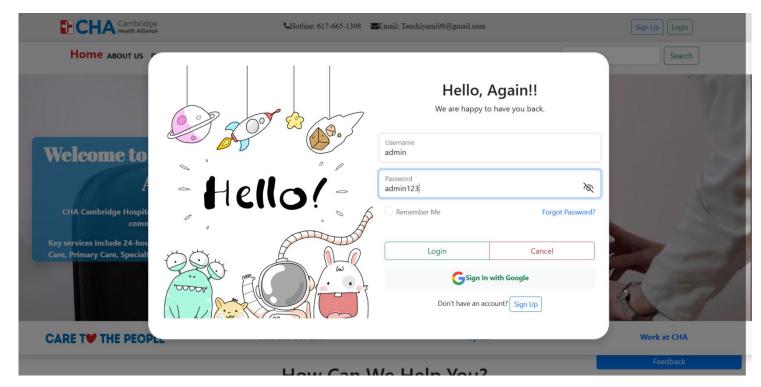


Figure 5: login

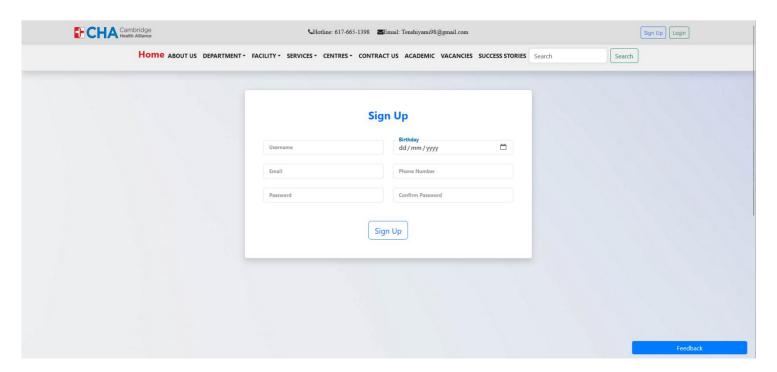


Figure 6: Singup

### 4. ABOUT US

#### About Us

Cambridge Health Alliance (CHA) is a vibrant, innovative health system dedicated to providing equity and excellence for everyone, every time. With over 140,000 patients in Boston's metro-north region, CHA is proud to offer the health care people need most in their lives.

Key clinical services include primary care, behavioral health, emergency care, surgery and specialty care, hospital care, maternity and state-of-the-art testing services. These are offered at convenient neighborhood locations. CHA patients also have seamless access to advanced care for rare or complex conditions at its clinical partners - Beth Israel Deaconess Medical Center and Mass. General Hospital for Children.

CHA's work extends far beyond patient care. It has a robust Department of Community Health Improvement and operates the nationally accredited Cambridge Public Health Department. It collaborates closely with local governments and non-profits to improve health and reduce barriers to care. As a teaching hospital of Harvard Medical School, Harvard School of Public Health, Harvard School of Dental Medicine and Tufts University School of Medicine, CHA trains the health care providers of tomorrow.



#### Our History

CHA formed in 1996 when two Massachusetts hospitals - Cambridge Hospital and Somerville Hospital - joined together to better meet the needs of patients and fulfill a shared community health mission. In 2001, CHA acquired the former Whidden Memorial Hospital (now CHA Everett Hospital) and associated services in Malden and Revere. This expanded CHA's service area and gave it the ability to help even more individuals and families in need

#### **Awards and Recognition**

CHA Named #1 in Massachusetts for Serving its Community by Lown Institute. CHA was recognized for its contributions to community health and well-being. (2023-2024)

CHA honored for surgical quality by American College of Surgeons. On October 25, CHA received the prestigious ACS Surgical Quality Partner distinction from the American

Feedba

Figure 7: about hopistal

### 5. DEPARTMENT

### Helpdesk

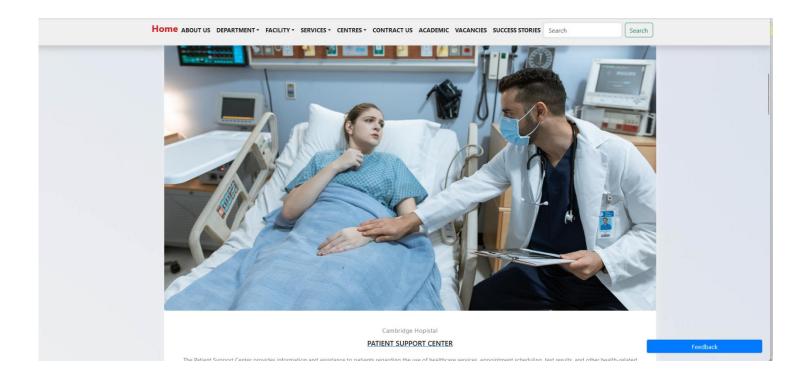
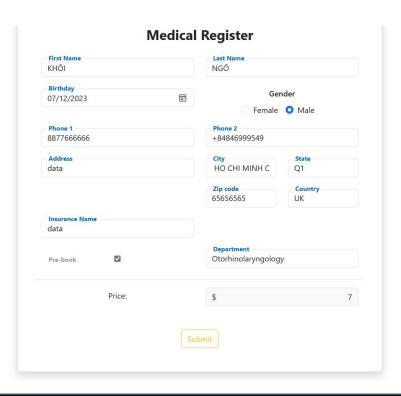


Figure 8: helpdesk

### Medical Register



### Doctor Schedule

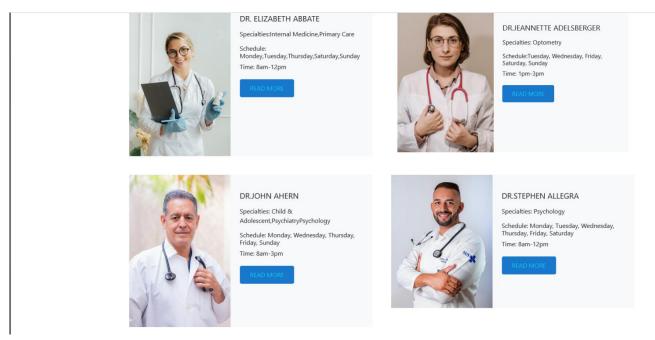


Figure 10: time table

### 6. FACILITY

### ROOMS

### HOSPITAL ROOM SERVICES

### Laundry

Sheets and pillowcases will be changed every five days or when soiled. Fresh towels and face clothes will be provided daily. You may bring your own pillow and blanket from home, if you wish.

### Medical staff available 24/24 Hours a day

The hospital implements a comprehensive care regime: Nurses serve 24/24 Hours according to doctor's orders from infusions, injections, medications, serving meals at the bed to mobility support, hygiene ... When needed, just press the nursing call button, all your care needs will be met.

### Hospital security

CHA Cambridge Hospital is responsible for ensuring your safety when visiting and being treated at the hospital.

CCTV system works continuously, supporting security work in the hospital. Security guards are available 24/24 Hours a day. If you have a request, please contact the hospital's security department by pressing the "0" key on the landline phone for assistance.

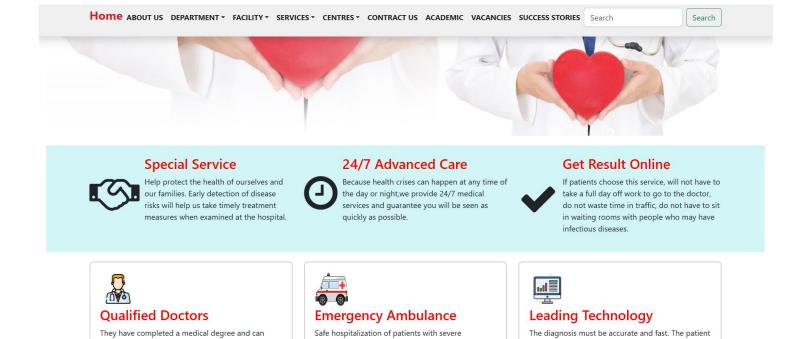


will recover quickly, leading

treatment time. Reducing

Figure 11: information rooms

### ICU



conditions - all ambulance vehicles are equipped

with high-tech medical and diagnostic equipment,

Figure 12: ICU

### MEDICAL FACILITY

have up to nine years' of working experience as a

hospital doctor, depending on their specialty, or up



Figure 13: Medical facility

### OTHERs FACILITY

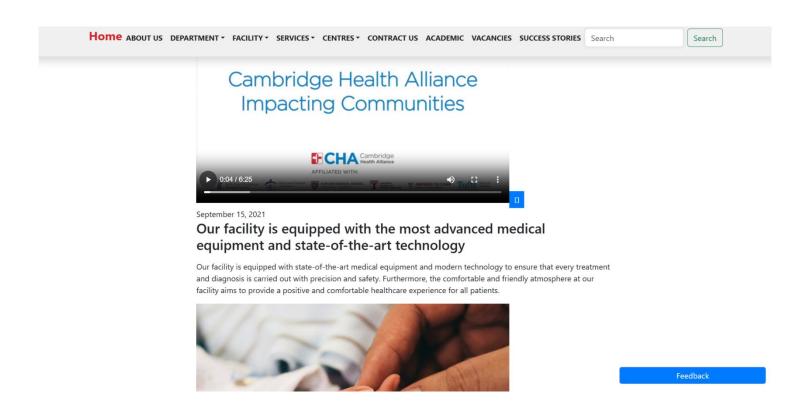


Figure 14: Others Facility

## 7. SERVICES

### GENERAL SERVICES

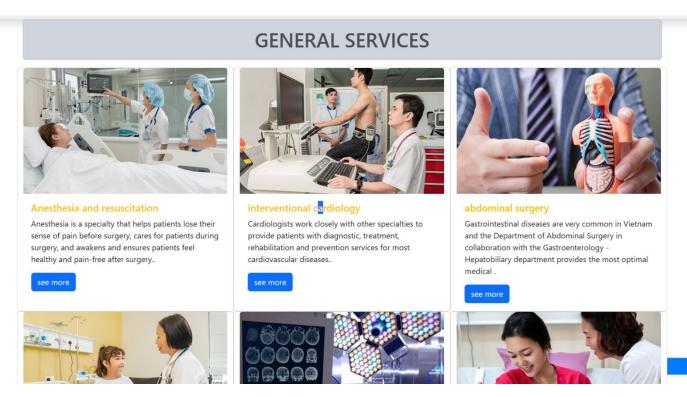


Figure 15: General services

### HEALTH CHECKUP

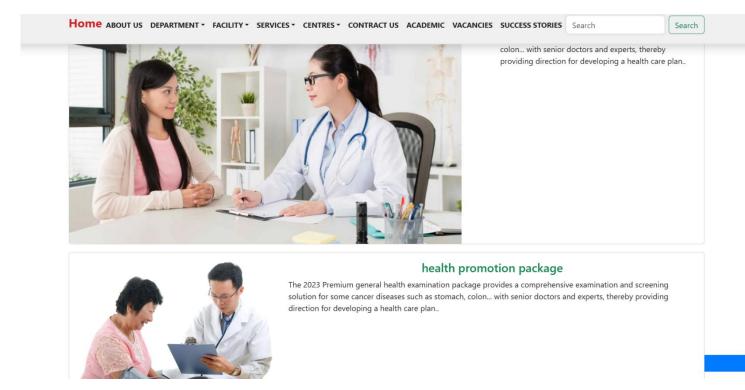


Figure 16: Health checkup

### SPECIALTIES





Figure 16: Specialties

### 8. CENTRES

### **DIAGNOSTIC CENTRE**

### Welcome to Diagnostic Centre!

Welcome to Diagnostic Centre, where we prioritize your health and well-being.

Our commitment is to prxovide exceptional diagnostic services with a focus on accuracy, efficiency, and your overall comfort.

- Friendly Atmosphere and Amenities
- Swift and Flexible Services

Our ultimate goal is to ensure comprehensive health for everyone. Diagnostic Centre is not just a place for diagnoses; it's a partner in your healthcare journey. We aim to assist you in understanding your health status better and provide proactive measures for prevention. Thank you for choosing Diagnostic Centre. Let us care for you and accompany you on your healthcare journey!



### Diagnostic Centre: Advanced Healthcare Techniques and Services

Our Commitment to Your Health: At Diagnostic Centre, our overarching commitment is to deliver advanced, patient-centered healthcare services. Whether diagnostics or holistic wellness programs, we strive to enhance and safeguard your well-being at every step of your healthcare experience.

Figure 17: Diagnostic

### **CANCER CENTRE**



Dear patients, families, and loved ones, We extend a warm welcome to Cancer Centre, where our daily commitment is to provide top-notch and effective healthcare in the relentless battle against cancer. We are dedicated to constant growth and delivering diverse medical services to enhance the quality of life for patients and their families.

- Expert Medical Team: At Cancer Centre, we take pride in having a team of leading. doctors and specialists in the field of cancer, always ready to accompany and support patients throughout their treatment journey
- State-of-the-Art Facilities: With advanced medical equipment and modern infrastructure, we promise to provide the best treatment environment, ensuring the safety and comfort of our patients.
- Modern Treatment Approaches: Cancer Centre employs advanced treatment methods and the latest techniques to optimize recovery and control the progression of the
- Psychosocial Support: Recognizing that conquering cancer involves not only physical but also mental and emotional aspects, Cancer Centre offers psychological and social support services for comprehensive patient and family care.
- Holistic Care: Our centre specializes in cancer care, ensuring that each patient receives optimal care tailored to their specific type of cancer, promoting a holistic approach to healing.

### **Our Services**

Oncology Department

Cancer Center has specialized specialists in each type of

st:3001/CANCER# Incer, ensuring that every patient receives the most

Research and Development Program

We continuously participate in research activities to introduce the latest treatment methods and improve **Supportive Care** 

Cancer Center provides supp psychological counseling, and post-treatment care to help

Figure 18: Cancer Centre

### HEART CENTRE



#### **Our Events**







Figure 19: Heart Centre

### COMMUNITY HEALTH CENTRE

#### WELCOME TO THE COMMUNITY HEALTH CENTRE!

## Comprehensive Healthcare Services



Figure 20: Community Health Centre

## 9. CONTACT US

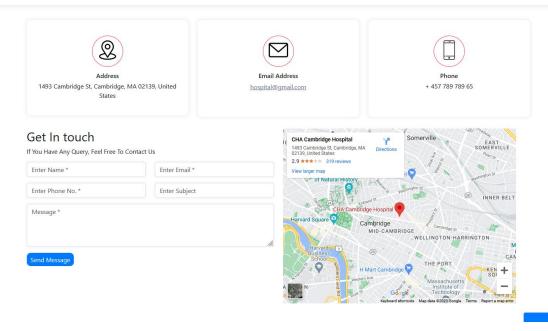


Figure 21: Contact us

## 10. ACADEMIC

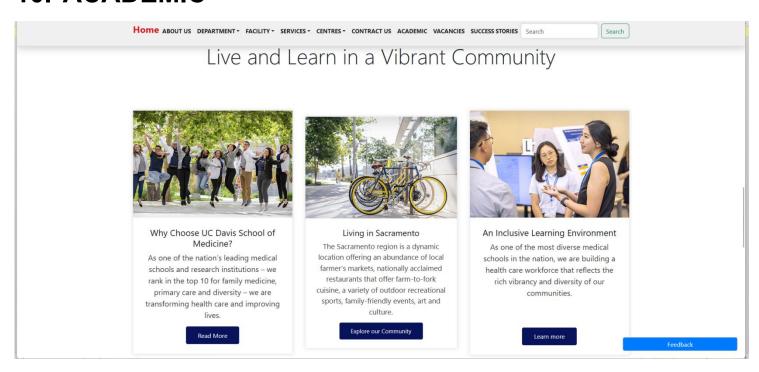


Figure 22: About Academic

## 11. VACANCIES

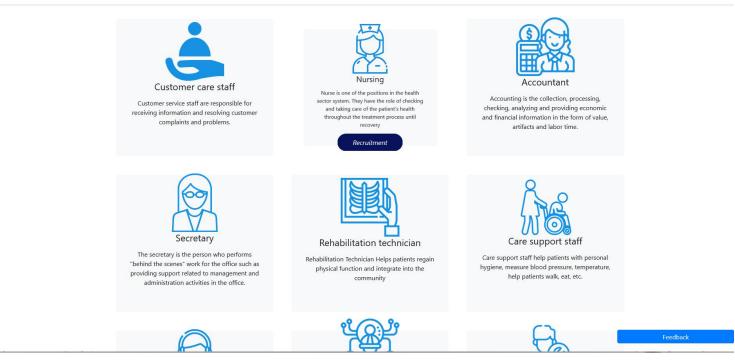


Figure 23: Vacancies

## 12. SUCCESS STORIES

### DOCTORS IN US PERFORM BRAIN SURGERY ON UNBORN BABY IN WOMB

Doctors in the city of Boston have performed brain surgery on an unborn baby in the womb.According to CNN reports, a group of doctors from Boston Children's Hospital successfully performed the first of its kind brain surgery while the baby was still in the womb.Doctors detected a rare disease called "vein of Galen malformation" when the baby was 30 weeks old.The surgery, which was published in the "Stroke in the United States" science journal and was stated to be the first in its field, was performed via the detection of an arterywith ultrasound.



Doctors used ultrasound to direct a long needle through the mother's abdomen into the part of the baby's brain that was affected. Doctors then injected a substance into the vein to prevent backflow into the veins. The doctors who performed the successful surgery saved the unborn baby from serious diseases such as heart failure and neurological disorders that would have led to death after birth. From Boston Children's Hospital, Dr. Darren Orbach said that if the disease was not treated, serious problems such as serious brain damage and heart failure may have occurred in the baby after birth. Orbach noted that between 50 and 60% of all babies with the disease develop serious complications after birth. "The disease has a mortality rate of about 40%. About half of the infants who survive also suffer from serious neurological and mental problems." Doctors state that baby Denver, who was born shortly after the operation procedure on March 17, is still healthy after about two months, and does not require any medication related to heart failure, or any additional medical intervention.

Feedback

Figure 24: Success Stories

## 13. PAYMENT

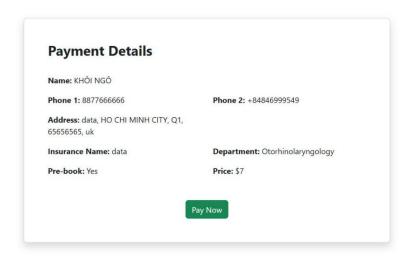




Figure 25: Payment need login and use registration

# **TASK SHEET REVIEW 3**

Project Ref. No.:  eP/Advertisement Portal Management System/01		Project Title:	Activity Plan Prepared	Date of Preparation of Activity Plan:			
Sr. No.	Task	1100		Actual Start Date	Actual Days	Team Mate Names	Status
1	Home	Cambridge Hopistal	Khôi	4-Dec- 2023	1	Nam Anh	Completed
2	Header, Navbar,Login, SignUp,Payment			4-Dec- 2023	1	Nam Anh	Completed
3	Footer			4-Dec- 2023	1	Nam Anh	Completed
4	About Us			4-Dec- 2023	1	Quang	Completed
5	Deparment: Helpdesk,Registration			4-Dec- 2023	1	Nam Anh	Completed
6	Facility: Rooms,ICU,Medical Facility, Other Facility			4-Dec- 2023	1	Thắng	Completed
7	Services: Geranal Services,Health Checkup, Specialties			4-Dec- 2023	1	Khoa	Completed
8	Centre: Dianostic Centre, Cancer Centre, Heart Centre,Community Health Centre			4-Dec- 2023	1	Khôi	Completed
9	ContactUs, Adcademic,Vacancies, Success Stories, Department: Doctor Schedule			4-Dec- 2023	1	Quang	Completed

Date: 05/10/2023							
Signature of Instructor:	Signature of Team Leader:						
	KHÔI						
Mr. Pham Cong Danh	Mr. Ngô Đoàn Anh Khôi						