**ADDISON Dental Care Service**

**Documentation**

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|  | **Group 3** |
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-Hà Nội,3/20222…

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5. **Problem Definition**
   1. ***. Problem Abstraction***

In the current information technology era

Nowadays, when the Internet has become familiar and gradually become an indispensable tool in life The benefits of a Website are enormous health websites, especially medical – dental Department. That's why we design a website for the clinic is considered the face of the clinic in the market online school.

There is a Vietnamese proverb that says "The tooth and the hair are the human angle". Indeed, oral health is not only one of the criteria to evaluate people but also a criterion to evaluate their own health. Scientists have long discovered that oral health has a great influence on human health. Good oral health means good body health. Therefore, oral health is always focused, both in aesthetics and in medicine.

Depending on the dental needs of each customer, the Website brings different benefits. Thereby, the Web site becomes a gateway for customers to directly answer their questions to the dentist. Customers do not need to come to the place to ask and chờ đợi, thay vào đó, một cách nhanh chóng và thuận tiện, họ chỉ cần vào Web và tham khảo cũng như hỏi đáp về những gì mình thắc mắc và gần như sẽ được kết quả cần tìm một cách nhanh nhất…

**ADDISON Dental Care Service**  is a channel to promote the image and at the same time introduce the most complete information about the dental clinic's services to customers. On the other hand, the website also helps to increase the number of people who know about medicine - dentistry, reaching many audiences, thereby attracting new customers to learn, convenient for customers to follow up and update the clinic's services. examination. Also come to **ADDISON Dental Care Service**  it also helps you to significantly reduce the time as well as the cost of treatment and use of services at your clinic.

As stated above, **ADDISON Dental Care Service** is a reputable, professional and reliable dental clinic for customers. Through the Web site, customers can ask and answer questions about oral health and treatment services here. With a team of professional, friendly, experienced doctors and dentists, and always updating the latest information new news, hopefully the website will give customers the maximum experience when using the clinic's services.

***1.2. The Current System***

      With the current system, customers are not provided with complete information quickly and conveniently, nor will they be able to answer customers' questions quickly and effectively. Besides, to promote the image of the clinic, you will have to spend money on marketing in the traditional way such as printing costs, sending documents, communication costs, and personnel. For customers over the phone, sometimes mistakes still happen, making customers wait...

**ADDISON Dental Care Service**  will help you create professionalism in the era of globalization, digital, information, knowledge economy - with an impressive, professional Website with full functions, information and utilities to create Good impression to customers.

***1.3. The Proposed System***

***1.3.1. Purpose of the page Web***

• Provide customers with detailed information about all services at the clinic, as well as update the latest, best and most used oral care products at the clinic. .

• Promote images and introduce information about dental clinic services to customers in the area.

• Customers can also answer their own questions about oral health issues, listen to the most accurate and complete advice about their situation from leading medical experts. - Dentistry throughout the country and abroad.

• In addition, customers can learn more new information related to oral health as well as each of the best product models on the market, information about promotional programs when using dental services.

***1.3.2. Functions of the site Web***

• For Guest :

* + At reliable data information source for reference.
  + Simple operation to learn about the clinic as well as evaluate the quality of service - equipment. Full information about information - service costs of the clinic.
  + Website lock helps visitors book an appointment simply, saving time and effort.

• For Admin :

- Dental website creates a place for clinics and hospitals to introduce - detailed information to visitors about the services provided as well as information about services such as uses, costs, ...

- Dental clinic website is the face of the unit on the internet, where patients can understand: modern technological equipment of the clinic, medical examination process, medical staff, ...

- Allows you to connect with many patient sources anywhere, anytime.

- Limit the number of overloaded patients when using online consulting services.

***1.4. Boundaries of the System***

Although there are many attractive advantages to creating such a "dental clinic" on the Web, there are still some limitations such as:

• Security on the Internet is not guaranteed, financial information may be disclosed.• Customers may worry about poor quality dental facilities and worry about their own health after using services at the clinic.

• There is no consistency across clinics, as well as legal issues.

• Online dental clinic for customers is still a new form and still not an indispensable part of life.

Most of the limitations on the Web stem from the fact that the field of electronic dentistry is still relatively new. As with other new technologies, it takes time to not only develop the technology but also develop the experience, expertise, and techniques to use it.

***1.5. Hardware and Software Requirements***

***1.5.1. Minimum Requirements***

|  |  |  |
| --- | --- | --- |
|  | **Server** | **Client** |
| **Hardware** | - Ram 1 GB or more  - CPU 2.0GHZ Xeon or more  - HDD 40GB or more  - Connect Internet and LAN | - Ram 128 MB or more  - CPU 1.5 GHZ or more  - Connnect Internet  - HDD 20 GB or more |
| **Software** | - Windows, MacOS, Linux  - Visual Studio Code  -JavaScipt,CSS,HTML | - Windows  7 or later.  - MacOS 10 and up  - IE 6.0 or Later  - Chorme, Safari,…( browsers that support javascript…) |

***1.5.2. Recommended Requirements***

|  |  |  |
| --- | --- | --- |
|  | **Server** | **Client** |
| **Hardware** | -  Ram 2 GB or more  -  CPU 2.4 GHZ Xeon or more  -  HDD 80 GB or more  -  Connect Internet and LAN | -  Ram 512 Mb or more  -  CPU 2.0 MHZ or more  -  Connnect Internet and LAN  -  HDD 40 GB or more |
| **Software** | - Windows, MacOS, Linux  - Visual Studio Code  -JavaScipt,CSS,HTML | - Windows  7 or later.  - MacOS 10 and up  - IE 6.0 or Later  - Chorme, Safari,…( browsers that support javascript…) |

1. **Customer Requirements Specification**

***2.1. Users of the System***

1. ***With  Guest :***

*\_*  Have the right to view, search, search and ask and answer questions.

\_  Have the right to respond to information.

\_  Enjoy special promotions of the clinic.

\_  You can register for treatment and use the clinic's services.

1. ***With Admin :***

\_   Update information regularly.

\_ Customer management and support.

\_ Manage invoices and products.

\_ Collecting customer feedback.

***2.2. System functions***

***2.2.1. With Guest :***

\* *View products:*

|  |  |
| --- | --- |
| **Description** | Customers can view, ask and answer questions. |
| **Input** | Select the request to view. |
| **Process** | Search in the database. |
| **Output** | Display information about the request that the customer needs to see |

\* *Search :*

|  |  |
| --- | --- |
| **Description** | Customers can search for information by pre-built search forms on the Website. |
| **Input** | Customers enter search keywords. |
| **Process** | The system will record and perform a search in the database for all products containing the keywords the customer wants to find. |
| **Output** | Display customer search information. |

\* *Register information:*

|  |  |
| --- | --- |
| **Description** | Visitors before registering to use the service need to verify their personal information through a built-in form. |
| **Input** | Enter personal information such as Full name, , Phone number, Gmail address ... |
| **Process** | • Check informationKiểm tra định dạng Email và không được trùng lặp.  • Check the Phone Number format and make sure it matches the area code.  •  …   * …Add new customer information, encrypt customer information into the database. |
| **Output** | Notify customers of successful registration or return to the registration page if reporting errors. |

\* *Service selection:*

|  |  |
| --- | --- |
| **Description** | Customers can choose any service of the clinic. |
| **Input** | Select services at the clinic. |
| **Process** | • Check the service is suitable. |
| **Output** | Display information about the service package that the customer has selected. |

\* *Send Feedback :*

|  |  |
| --- | --- |
| **Description** | Customers can send feedback to the Admin. |
| **Input** | Enter the title and content of your comments using the pre-designed form. |
| **Process** | • Check whether the information entered in the form is valid.  • Add new information and feedback from customers to the database. |
| **Output** | • Notify customers that feedback submission has been completed or failed.. |

***2.2.1. With Admin:***

***Admin rights can:***

*\** *Customer Information Management:*

|  |  |
| --- | --- |
| **Description** | Admin has the right to view customer information. |
| **Input** | Select the corresponding command of the account to interact. |
| **Process** | + View account information: |
| **Output** | • Display customer information and not allowed to edit information. |

*\** *News management:*

|  |  |
| --- | --- |
| **Description** | Admin has the right to add/edit/delete or hide/show news. |
| **Input** | Select the function to add/edit/delete or hide/show news. |
| **Process** | + Add news: Add title, content, image… news and save it to the database.  + Edit news: Edit title, content, images ... news and update to the database.  + Delete news: Delete title, content, image ... news and update to the database.  + Hide/show news: Hide or show news on the user interface. |
| **Output** | Display a success or error message. |

\**Manage Feedback :*

|  |  |
| --- | --- |
| **Description** | Admin can view - delete - hide/show Guest comments and feedback. |
| **Input** | Select the function to view - delete - hide/show Guest comments. |
| **Process** | + View : Display the title and comment content of the Guest.  + Delete:  • Request deletion confirmation.  • Delete all comment text and title.  + Hide/show: Admin has the right to hide/show Guest comments. |
| **Output** | Display a success or error message. |

*\** *View stats:*

|  |  |
| --- | --- |
| **Description** | Admin can view statistics about customers. |
| **Input** | Select the statistics you want to view using the built-in tools. |
| **Process** | + View a list of customers: List a list of customers who have been, are and are about to use the service. |
| **Output** | • Display a list of customers who have been, are and are about to use the service. |

1. **System Designs**

***3.1.*** ***Entity Relationship Diagram***

**Feedback**

**Customer**

**Administration**

**News Category**

**News**

**Advertisement**

**Service Packages**

Details

**Product Groups**

**Medical service**

**Health Care Services**

***3.2.*** ***Sitemap***

***\*Guest:***

**Home page**

**Send feedback, reviews**

**Watch news**

**Register personal information (Name, phone number, Gmail, ..) to use the clinic's services**

**Search, look up service packages, answer questions**

**Register to use services and products**

***\*Admin :***

**Home page**

**News management**

**View stats**

**Product team management**

**Service management**

**Feedback management**

***3.3. Algorithms***

***\**** ***Register information:***

**Enter registration information**

**Error notice**

**Check on the machine trạm**

 wrong

correct

**Check on the server**

 wrong

correct

**Notice of successful registration**

***\* Search:***

**Enter search keyword**

**Keyword check**

wrong

**Notice the search content does not exist**

correct

**Show what you're looking for**

\* ***More services:***

**Thông báo thành công**

**Check**

**More services, related information**

**Error notice**

wrong

correct

***\**** ***More news:***

**Error notice**

**Enter title, content, related information**

**Kiểm tra**

wrong

correct

***\*Feedback:***

**Enter title, content of comments**

**Successful message**

# Task Sheet

|  |  |  |
| --- | --- | --- |
|  | **Group 3** | **ADDSION Dental Care Service** |
| **STT** | **Work** | **Participating member's name** |
| 1 | Write DOCX | Ngô Quang Đại |
| 2 | • Website interface design  • Server-side interface designCode quản lý dịch vụ.  • Code to add, edit, delete products  • User-side search code  • Code to manage feedback  • Code to manage news | The whole group |
| 3 | * Thiết kế Slide trình bày * Code đăng ký * Code phần hiển thị sản phẩm phía User. * Nhập dữ liệu. * Cập nhập sẩn phẩm | The whole group |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_THANK YOU\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_