Hospital Obstetrics Referral System

SHANG Linjing, Lydia

Shang.bio.sci.ms@lydiashaw.asia

Introduction

The Hospital Obstetric Referral (HOR) system can transfer cases from multiple hospitals. For example, due to its own technical level, Hospital A will communicate with Hospital B when it encounters some unsolvable cases. If two hospitals reach an agreement, they need to discuss with the patient's family. When the three parties agree, the patient's case will be directly transferred from Hospital A to Hospital B.

Therefore, the functions that the HOR system needs to complete are:
①Provide a patient registration page;
　Patient enters personal information in the web page to complete the registration. This information will be stored in the database of Hospital A. Once the patient is registered, he can use the login function to view his own case and referral status.
②Provide the homepage of Hospital A;
Doctors of Hospital A can log on to the website to view patient cases. Provide a referral button on the doctor port. Once you apply, Hospital B will receive the message.
③Provide the homepage of Hospital B;
Doctors of Hospital B can log on to the website, check the news of Hospital A, and agree to referral from Hospital A.
In this project, the software we used were MyEclips, Dreamweaver and MySQL.

Realization

Dreamweaver

The two that Dreamweaver will use are CSS and HTML.

CSS is a language that defines style structures such as fonts, colors, positions, etc., and is used to describe the formatting and realistic way of information on a web page. The web page can be modified statically, and the elements of the webpage can be formatted dynamically with various scripting languages.

HTML is a hypertext markup language. "Hypertext" means that a page can contain non-text elements such as pictures, links, and even music and programs. It uses

markup symbols to mark each part of the web page to be displayed.

MyEclipse

MyEclipse is a commercially available Java EE IDE created and maintained by the company Genuitec, a founding member of the Eclipse Foundation.It is built upon the Eclipse platform, and integrates both proprietary and open source code into the development environment.

MySQL

MySQL has stand-alone clients that allow users to interact directly with a MySQL database using SQL, but more often, MySQL is used with other programs to implement applications that need relational database capability. MySQL is a

component of the LAMP web application software stack (and others), which is an acronym for Linux, Apache, MySQL, Perl/PHP/Python.
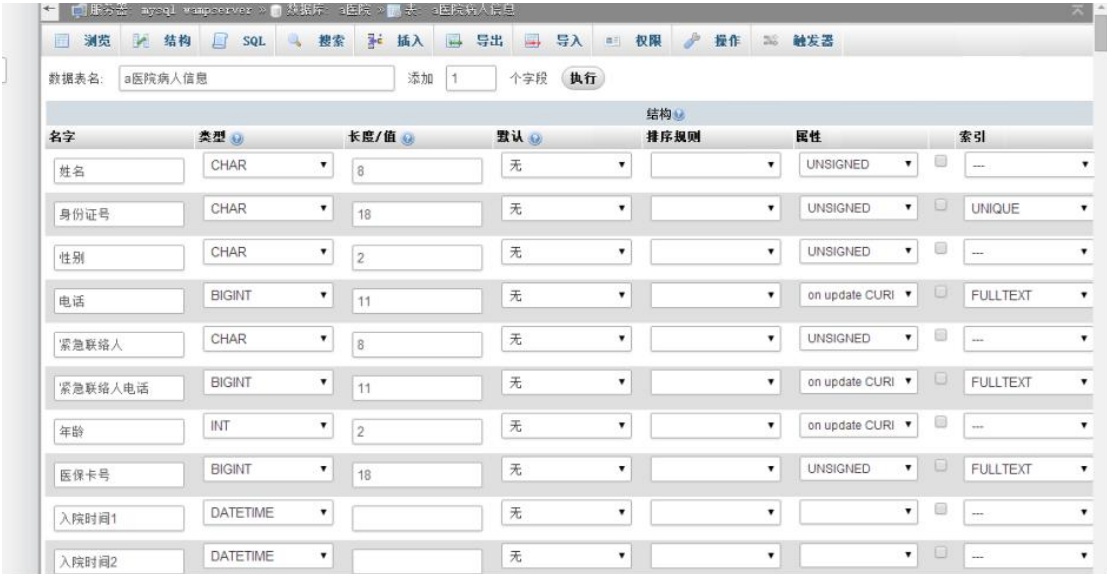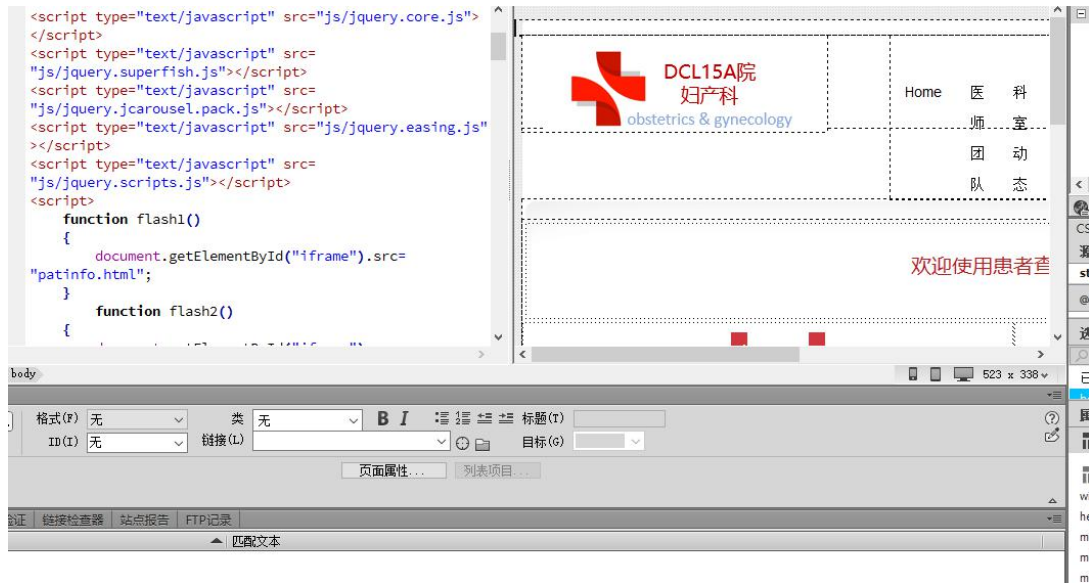

After downloading and installing the three software, we started to make this project. The work was divided into front-end and back-end. The front-end used html and beautified. The back-end used PHP to connect to the database.

Front-end

The following pictures are screenshots taken during programming of the web page. During this progress, we
①Designed the icon of the project: A hospital icon->red cross
②Designed the overall layout of the website
③Designed the websites of Hospital A and Hospital B

```
<script type="text/javascript" src="js/jquery.core.js">
</script>
<script type="text/javascript" src=
"js/jquery.superfish.js"></script>
<script type="text/javascript" src=
"js/jquery.jcarousel.pack.js"></script>
<script type="text/javascript" src="js/jquery.easing.js"
></script>
<script type="text/javascript" src=
"js/jquery.scripts.js"></script>
<script>
    function flash1()
    {
        document.getElementById("iframe").src=
"patinfo.html";
    }
        function flash2()
    {
```

Hospital A

This is the homepage of Hospital A. It can be found that the design of our page is very beautiful and concise. At the top of the webpage, we used a sliding picture design, which can insert advertisements and news.

The homepage includes a brief introduction, doctor information, referral application, patient information query and contact details, etc.
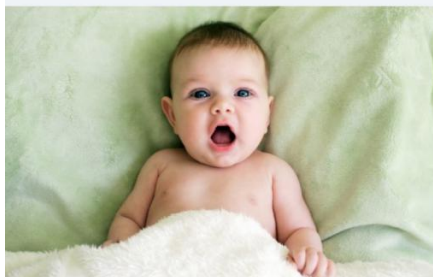
医生信息

Dr.Alina博士，来自美国丨大医院之肖前泡奥诊所，
外件特�¥生，为我们医院增添了新鲜活力和新{科
研力量。

张医生，留学美国，毕业后曾就业于世界著名的布
外杜妇女医院。

高医生，拥有多年临床经验，经验丰富，学识渊博

病人 信息

请输入姓名 [查询]

联系我们

Enter your name

Enter your e-mail

Type message here

发送信息

📍 地处沈阳市和平区胜利南街27号

📞 123-456-78910

✉ office@pregent.com

These introductions displayed on webpage were fabricated, the main purpose was to enrich the page. In this project, we mainly focused on the referral function, therefore, after entering the patient's name, you can jump to other pages and the referral system will be displayed.

This page is available to both doctors and patients.

① If the patient applies for a referral: Here, the patient needs to fill in his own information so that the doctor can understand the situation. Subsequently, after receiving the request, the doctor can view it in the local information and click to agree or decline.

②If the doctor applies for a referral: As hospital A cannot handle the patient's condition, the doctor will fill in the file and apply for a referral based on the patient's case after consulting with the patient.
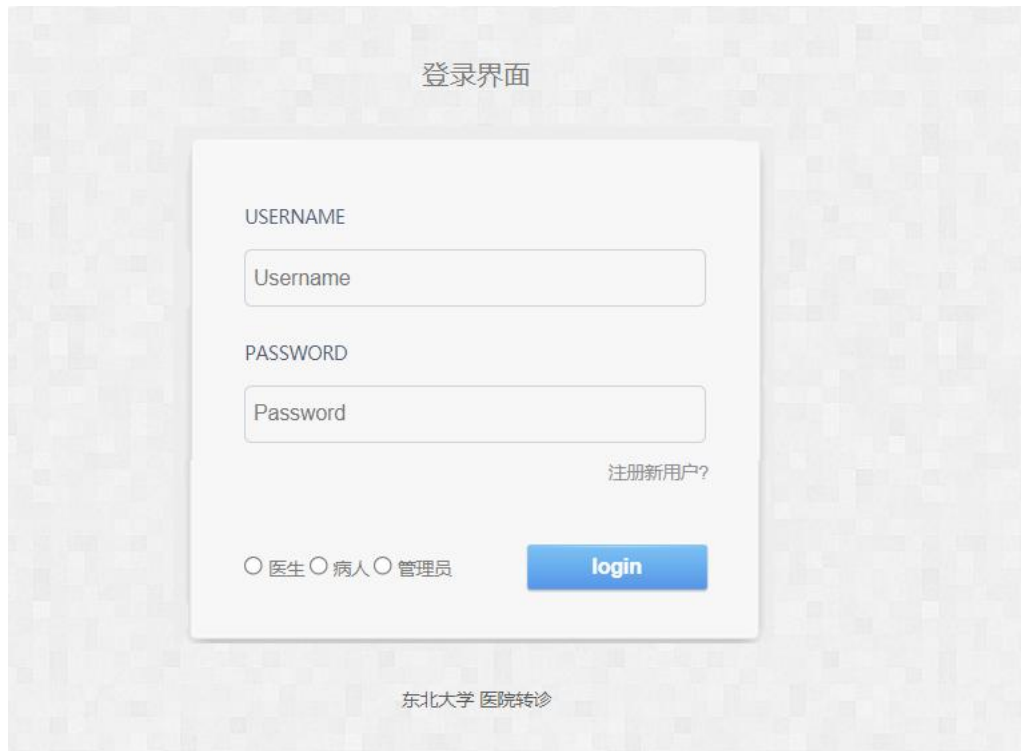
Hospital B

This is the homepage of Hospital B. Here, patients can check the progress of referrals from Hospital A.
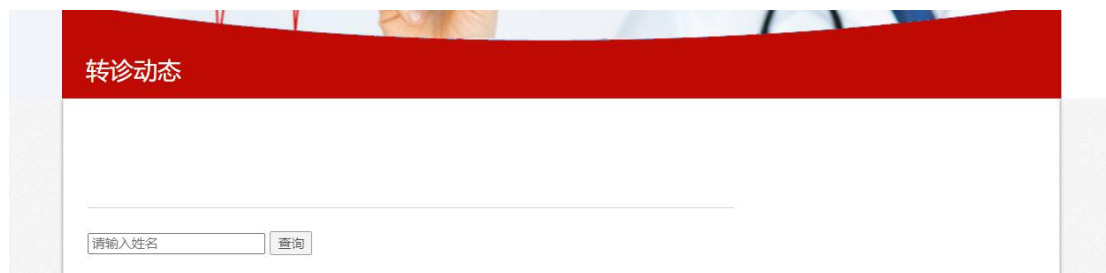
Meanwhile, we designed the registration and login page. Doctors in Hospital B can log in to the web page to receive message from Hospital A. After understanding the patient's condition, Hospital B can approve or refuse the patient's transfer.

Hospital A login

Hospital B login

Back-end

We added users to the database, set permissions and passwords for them, so that we can use the front-end login page when the two were connected.

用户概况

	用户	主机	密码	全局权限	授权	操作
☐	任意	%	--	USAGE	否	👤 编辑权限 📤 导出
☐	root	127.0.0.1	否	ALL PRIVILEGES	是	👤 编辑权限 📤 导出
☐	root	::1	否	ALL PRIVILEGES	是	👤 编辑权限 📤 导出
☐	root	localhost	否	ALL PRIVILEGES	是	👤 编辑权限 📤 导出
☐	尚麟静	%	是	ALL PRIVILEGES	是	👤 编辑权限 📤 导出
☐	邓乔	%	是	USAGE	否	👤 编辑权限 📤 导出

↑ ☐ 全选 选中项： 📤 导出

👤 添加用户

After the connection is successful, we can try to add patient file to the database.

🔍 ⤴ ↻ ↥ ☒ 域名重定向 http://localhost/php_mysql.php#

onnected seccessfully

The following picture showed the basic information of case patient Lin Li.

After filling in, this file can be found in the database.We exported the sql file, using the txt notepad to open the file, Lin Li's file was recorded and accepted.

```
('林丽', '33', '5', '是', '脸部,腰部,', '浮肿正常！', '异常', '血色素,', '血色素发现异常，建议检验科先接受转诊进行进一步处理！', '2',
'1', '0', '1', '0', '0', '1', '孕育史未发现明显异常！', '林丽有先天性心脏病，属高危病人。');


-- ------------------------------------------------------

--
-- 表的结构 `doctor`
--

CREATE TABLE `doctor` (
  `user` varchar(20) NOT NULL,
  `pwd` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8;


--
-- 转存表中的数据 `doctor`
--

INSERT INTO `doctor` (`user`, `pwd`) VALUES
('doctor', 'doctor');
```

```
('陈怡', 'B 医院已接收'),
('陈莉', 'B 医院已接收'),
('金秀秀', 'B 医院已接收'),
('杨美丽', 'B 医院已接收'),
('', 'B 医院已接收'),
('林琳', 'B 医院已接收'),
('王慧', 'B 医院已接收'),
('吴倩', 'B 医院已接收'),
('刘珍', 'B 医院已接收'),
('赵丽', 'B 医院已接收'),
('杨丽', 'B 医院已接收'),
('张曼', 'B 医院已接收'),
('王丽', 'B 医院已接收'),
('林丽', 'B 医院已接收');

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

Part of the specific code will be displayed on the web page. This is the introduction and realization of this project