

Design and Technology Manifesto

Technologies/Software:

We use Django for the framework for our website since it is easy to use and comes with a lot of built in functionality that makes our lives easier, and we can focus on the important tasks. It also comes with an admin page. We are using the Heroku cloud computing platform to host the website since we could not get Windows Azure to work, and Heroku is an easy-to-use and easy-to-learn platform. For our database, we use PostgreSQL since it is compatible with heroku. We use HTML5, CSS and Javascript for basic web programming, as well as the twitter bootstrap package for making the webpage stylish. The login page was made with twitter bootstrap.

Design:

We used Django to create different accounts for field workers, doctors, and administrators, where field workers and doctors have similar privileges, but doctors have a little more authority. So the code for field workers and doctors is very similar. However for the administrator, have all the privileges that doctors and field workers have, and more. Django makes this administrator page easy to make.

Ultra-Remote-Medicine

Site administration

Auth	
Groups	+Add Change
Users	+Add Change

Sample	
Annotations	+Add Change
Cases	+Add Change
Doctors	+Add Change
Measurement types	+Add Change
Measurements	+Add Change
Patients	+Add Change
Scans	+Add Change
Specialty types	+Add Change
Time slots	+Add Change
Workers	+Add Change

Sites	
Sites	+Add Change

Recent Actions

My Actions

- [1. Olivia Brown](#)
Doctor
- [+Wednesday 20:38 \(GMT\) -> Wednesday 20:38 \(GMT\)](#)
Time slot
- [1. Olivia Brown](#)
Doctor
- [+Case 1](#)
Case
- [+1. Kidneys](#)
Specialty type
- [+2AdamBlue](#)
Worker
- [+1JohnSmith](#)
Worker
- [+2GregoryHouse](#)
Doctor
- [worker2](#)
User
- [worker2](#)
User

Here is the admin page. As we can see, Django provides us with a lot of functionality for very little coding. You can then click on for example Doctors and then edit their information, or add new doctors.

To access the admin page, double click the Ultra-Remote-Medicine.bat file to open the website

on the heroku server. Here you will see the login page for field workers and doctors. Type /admin at the end to access the admin login page.

Ultra Remote Medicine

Username

Password

Here is the login page for doctor/field worker. After they login, they will be redirected to their own page which looks like this:

Doctor page:

Olivia's Page

<input type="button" value="Edit"/>	Name: Olivia Brown	
	Specialties: Kidneys,	
	Schedule: Thursday 0:38 (GMT) -> Thursday 0:38 (GMT)	
	<input type="button" value="Edit"/>	<input type="text"/> <input type="button" value="search"/>

Cases

Patient Name	Status	Age	Gender	Priority	Date	Link to cases
Ann	completed	30	Male	5 <input type="button" value="Edit"/>	Oct. 23, 2013	case-link 1

Their personal information is displayed on the top, and they can edit their information. (The other buttons on this page don't work yet, they are just there as a reminder for next sprint).
At the bottom is the cases page, where a doctor can view all the cases they have worked on or are working on.

Here is the field worker page:

John's Page

photo <input type="button" value="Edit"/>	Name: John Smith
	Worker ID: 1
	<input type="button" value="Edit"/>

Cases

Patient Name	Status	Age	Gender	Priority	Date	Link to cases
Ann	completed ▼	30	Male	5 <input type="button" value="Edit"/>	Oct. 23, 2013	case-link 1
<input type="button" value="Add New Case"/>						
<input type="button" value="Add New Patient"/>						

At the top, they have their personal information which they can edit by pressing the edit button. (The other buttons on this page don't work yet, they are just there as a reminder for next sprint).
At the bottom, similar to a doctor's page, they can see all the cases they have created.