

This is a set of directions on how to install scanned materials on your web site. It will also contain a brief review of setting up a web page.

The Directory Set-Up

1) Everything will be done on your unix account. I assume you know the elementary unix commands for listing the elements of a directory (`ls`), creating a directory (`mkdir`), copying a file to another directory (`cp`), changing directories (`cd`), moving up one directory (`cd ..`) in the hierarchy and finding your present working directory (`pwd`).

For simplicity, we will use the name of my main unix directory, `rjm`. In addition, all directory and file names and commands will be printed in red.

An Overview of the Directories

The directories of interest in this conversation are sketched below:



2) We assume that there is a subdirectory of `rjm` called `public_html`. This name is the default directory that contains all material you wish to display on your web site. If you don't have such a subdirectory then create one by means of the unix command

```
> mkdir public_html
```

Permissions to Read

3) After creating it give the public the permission to read it by the command

```
> chmod 755 public_html
```

In general you must set permissions for all subdirectories directories and files. This is done by the instruction

```
> chmod 755 file_or_directory_name
```

If you fail to do this you will get a "you don't have access" when you try to view it in the browser.

Contents of public_html

4) The `public_html` will contain one file, `index.html`, and subdirectories holding material that is to be displayed on your website. For example, the contents of the subdirectory `rjm/public_html` include

```
demo/      31b.1.00f/      index.html
```

The slash / denotes a directory.

The Top-Most index.html File

The contents of the file `index.html` just listed are

```
<HTML>
<BODY>
<P>
<A HREF="demo.directions.pdf" > scanned material </A>
<P>
<A HREF="demo.index.html" > pdf stuff </A>
<P>
<A HREF ="31b.1.00f/index.html > 31B, Fall 2000 </A>
</BODY>
</HTML>
```

When you opened this browser you saw three lines displayed:

scanned material

pdf stuff

31B, Fall 2000

Clicking on "scanned material" opened this file. If you backtrack and click on "pdf stuff" above you will see a new screen with two lines:

homework 4

ratsch's stuff

If you click on either of these you will see a file that was scanned in. It may take some time for the adobe reader to load when you click on the first scanned file

index.html Files in the Subdirectories

Note that the top-most `index.html` displayed above contains a reference to the file `directions.pdf` in the directory `demo` two references to `index.html` files contained in the two sub-directories `demo/` and `31b.1.00f/`.

The contents of the subdirectory `rjm/public_html/demo` are four files

```
directions.pdf   hw4.pdf   index.html   ratsch.pdf .
```

The contents of this `index.html` file are

```
<HTML>
<BODY>
<P>
<A HREF="hw4.pdf" > homework 4 </A>
<P>
<A HREF="ratsch.pdf" > ratsch's stuff </A>
<P>
</BODY>
</HTML>
```

In sum, the various `index.html` files, as used here, are the "nervous system" of the network of directories and files. The `index.html` file at the bottom of the hierarchy contains references to material that is actually displayed on the web site.

A Note on HTML Syntax

The HTML language is very sensitive to blanks. If the instruction

```
<A HREF="hw4.pdf" > homework 4 </A>
```

contains a blank at the beginning, say,

```
< A HREF="hw4.pdf" > homework 4 </A>
```

the reference may not appear on the web page.

Displaying a Scanned File

We assume you are in your main unix directory (I would be in `rjm`). You will be using the program "pine" to read your e-mail, for it can save `.pdf` files that have been sent to you. So

1) Open pine:

```
> pine
```

2) Select the message with the pdf file attached. The message will have been sent by `rjm` and will be described as "your scanned material". Try opening it.

3) The following message will be displayed: "Cannot display this part. Press 'V' then 'S' to save in a file." Follow the instructions and the file will be saved in in your home directory under a name that pine will tell you.

4) Exit pine. Supposing the file has been saved as "myscan.pdf" move it to `public_html/demo` by the instruction

```
cp myscan.pdf public_html/demo
```

5) Move to the demo directory, open (or create) an `index.html` file in it, add the line

```
<A HREF="myscan.pdf" > my scanned material </A>
```

save it and close the file.

6) Make sure that the permissions have been set. If you are in the `public_html` directory you can do this with the instructions

```
> chmod 755 demo
```

```
> chmod 755 demo/*
```

Once the permissions for a directory have been set, they do not have to be reset. Similarly, once the permissions of the `index.html` have been set they do not have to be set after adding new lines to the file. Permissions must be set for the scanned files that you have just imported to a directory.