

## Adding threading

Run  
update-from-template  
again

- The main thread accepts connection requests, queuing them
- worker threads handle the requests

## Adding FIFO and SFF scheduling

- Associate a priority with each queued request
- For SFF, this is file size  
How do we get this?
- Priority for FIFO?

How do we store priority, conn-id, etc. in the queue?

(a)

```
typedef struct q_elem {  
    int priority;  
    int conn-fd;  
    ...  
} q_elem;
```

Put this in `queue.h`, along with  
function prototypes:

```
create queue  
put queue  
get queue  
...
```

Function definitions go in  
`queue.c`, along with definitions  
of the queue's global variables:

```
static q_elem *q = NULL;  
static int buffers = 0;  
...
```

(3)

Modify the Makefile

- queue.c
- -lpthread

Getting file size

- refactor ~~size~~ req-handle()

Write clean, easy-to-read code!!!