```
// Allocate two pages at the next page boundary.
// Make the first inaccessible. Use the second as the user sta
sz = PGROUNDUP(sz);
if((allocuvm(pgdir, STKBASE-PGSIZE, STKBASE) == 0))
   goto bad;
clearpteu(pgdir, (char*)(STKBASE-PGSIZE));
sp = STKBASE;
//sp = sz;
```

Changed the start of the stack and cleared the buffer (in exec.c)

Changing checks since it used to compare to our old sz (in sysfile.c)

```
for(i = cur->stkloc; i <= STKBASE; i +=PGSIZE){
    if((pte = walkpgdir(pgdir, (void *) i, 0)) == 0)
        panic("copyuvm: pte should exist");
    if(!(*pte & PTE_P))
        panic("copyuvm: page not present2");
    pa = PTE_ADDR(*pte);
    flags = PTE_FLAGS(*pte);
    if((mem = kalloc()) == 0)
        goto bad;
    memmove(mem, (char*)P2V(pa), PGSIZE);
    if(mappages(d, (void*)i, PGSIZE, V2P(mem), flags) < 0){
        kfree(mem);
        goto bad;
}
</pre>
```

Changed copyuvm to now go over the new stack (in vm.c)

```
break;
case T_PGFLT:
   if((rcr2() < STKBASE)){
      allocuvm(myproc()->pgdir, STKBASE- ((myproc()->numpages+1)*PGSIZE),STKBASE-
   ((myproc() -> numpages)*PGSIZE));
      myproc()->numpages++;
}
break;
```

Made a new page fault test

Updated proc to hold the number of pages and the location of the stack (in proc.h)

Updated numpages and added the stack location to proc