



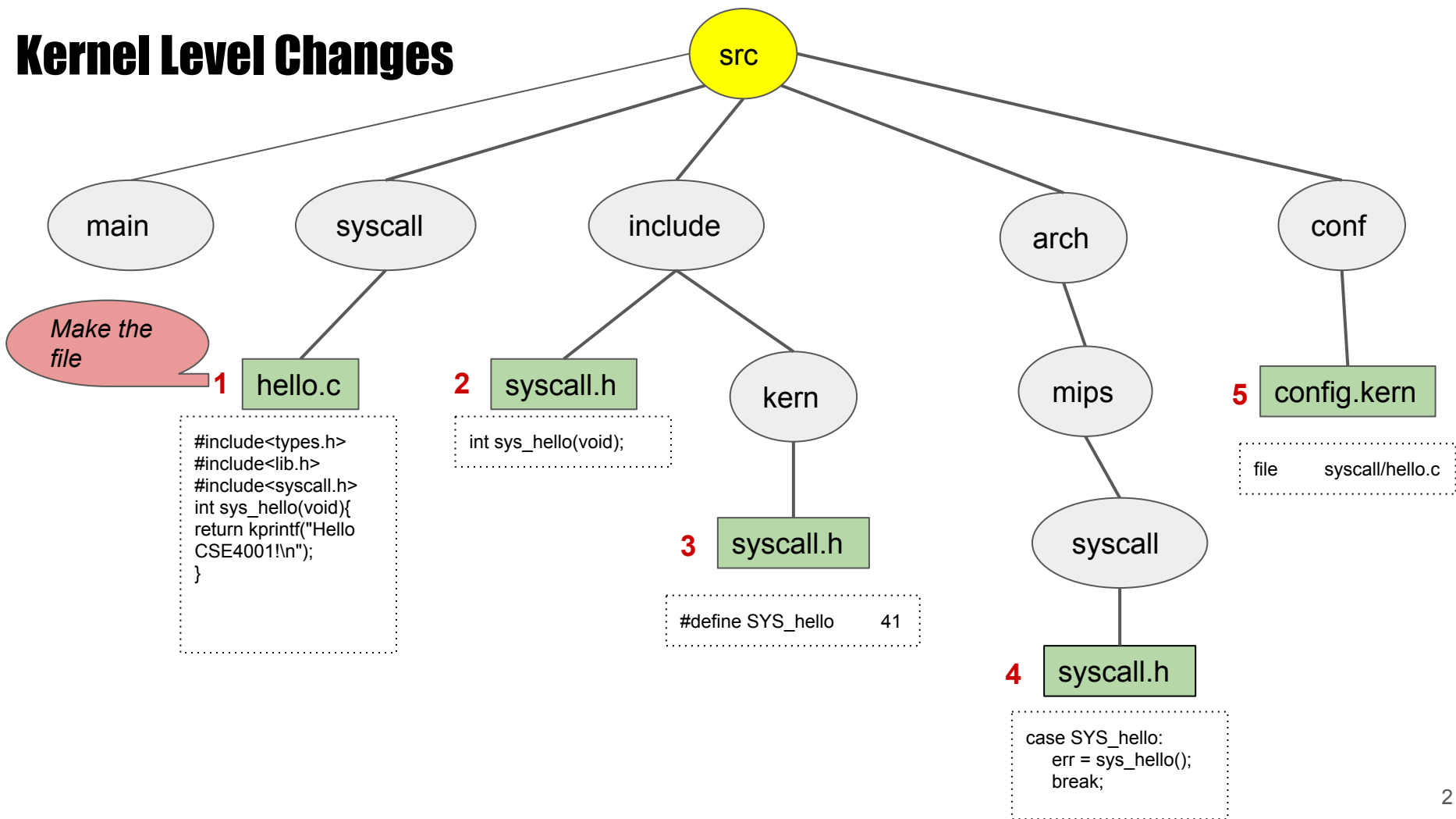
*Florida Institute
of Technology*

High Tech with a Human Touch™

Adding system call to OS161

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Kernel Level Changes



Compile & run the kernel

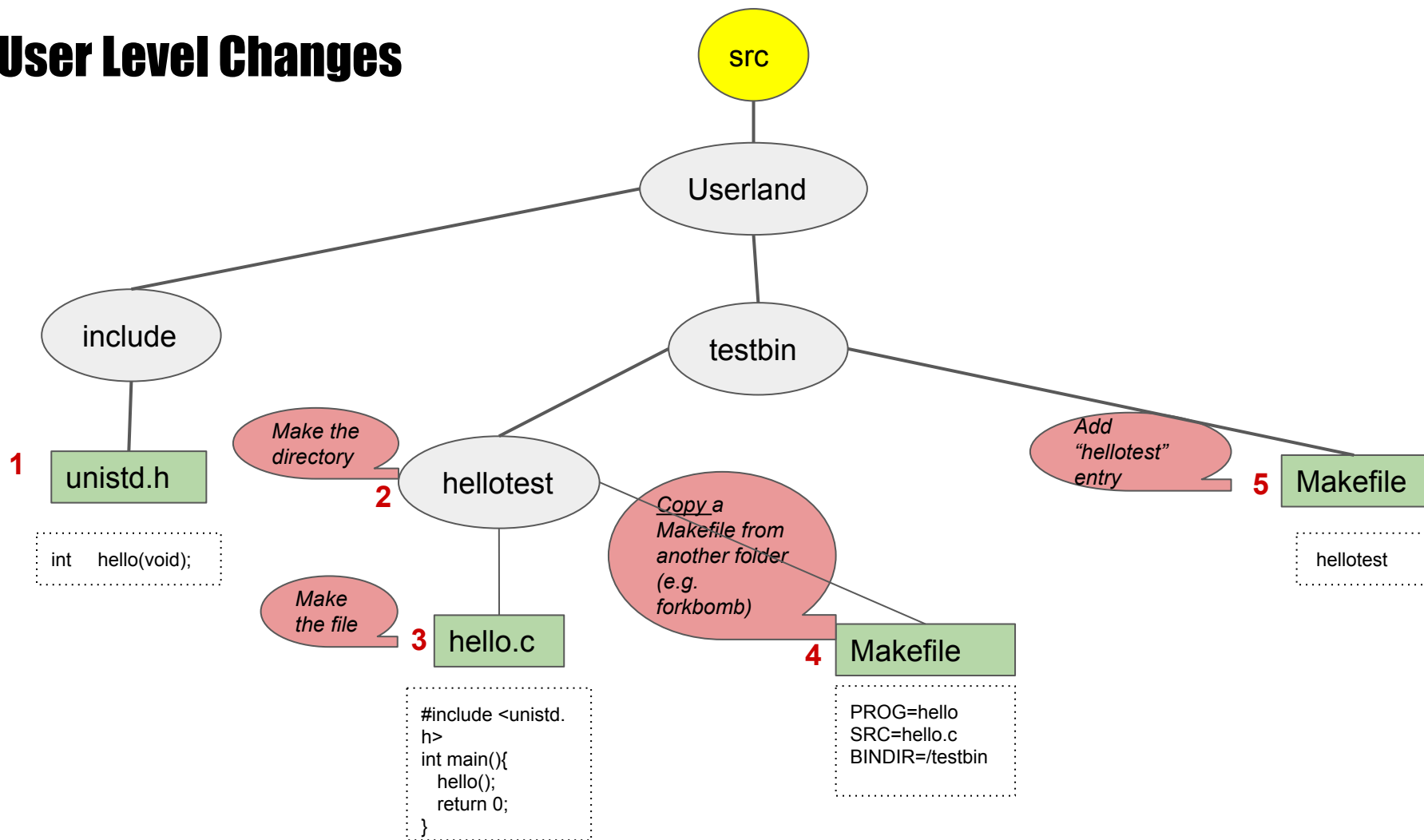
Compile the kernel:

- `cd ~/os161/src/kern/conf`
- `./config DUMBVM`
- `cd ../compile/DUMBVM`
- `bmake depend`
- `bmake`
- `bmake install`

RUN the kernel:

- ❏ `cd ~/os161/root`
- ❏ `sys161 kernel`

User Level Changes



Compile the user level

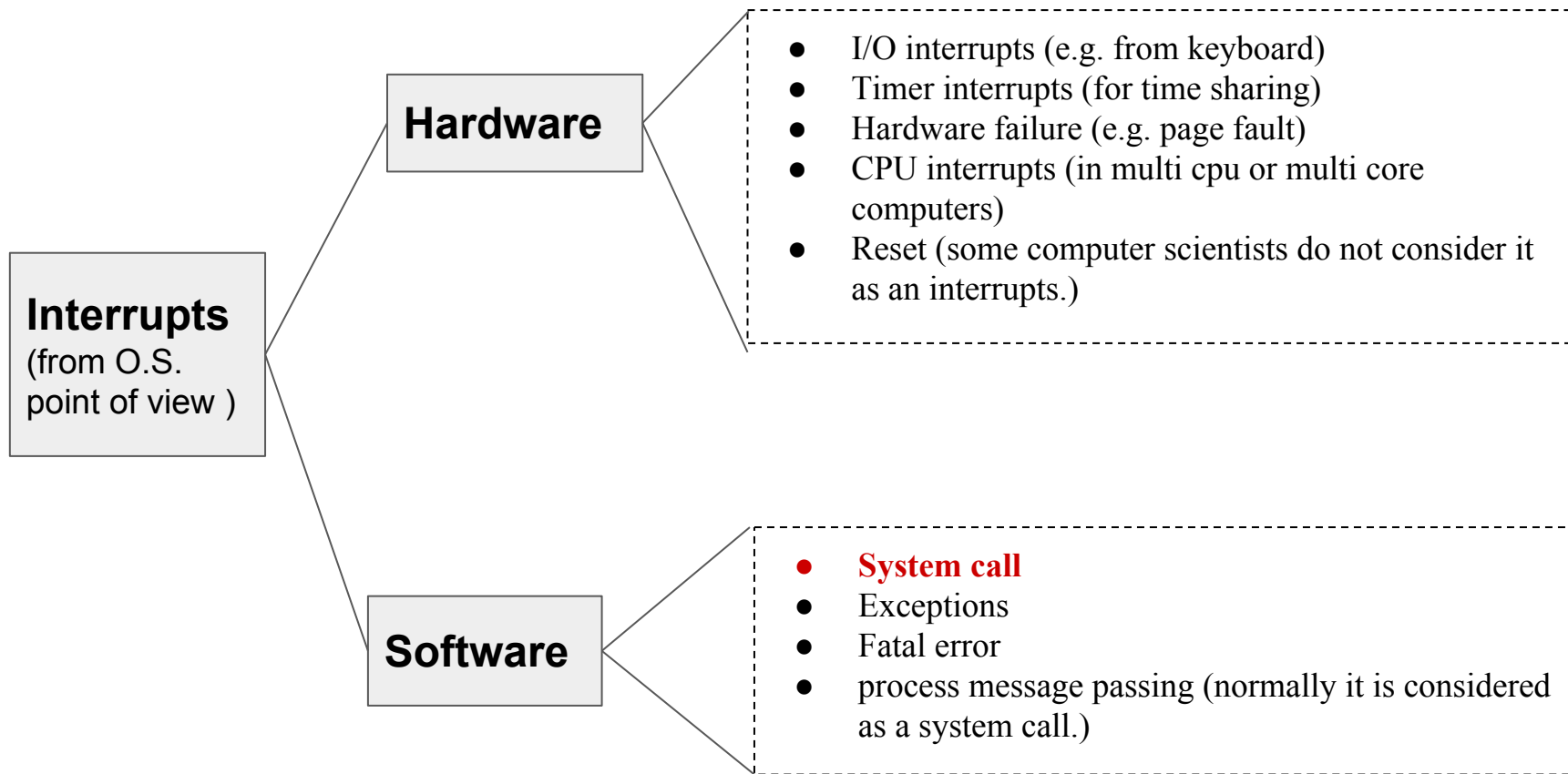
- `cd ~/os161/src/`
- `bmake depend`
- `bmake`
- `bmake install`

Then...

1. Compile the kernel again
2. Run the kernel.
3. Test the kernel and your new system call:
➤ `p testbin/hello`

Appendix

Interrupts and system calls in OS



ps. Tanenbaum considers all of them as trap.