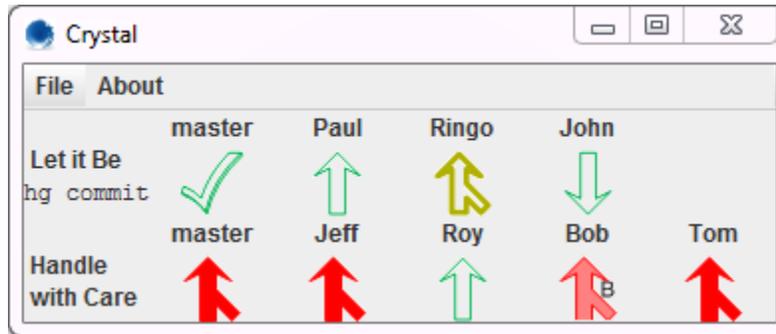


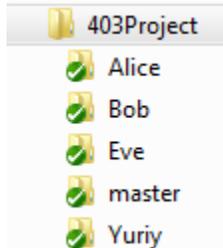
Crystal: Proactive Collaboration Conflict Detector

www.cs.washington.edu/homes/brun/research/crystal



Steps for installation (for CSE 403 students):

1. Crystal only works with mercurial, so if you want to use Crystal, you'll need to use mercurial for version control.
2. Each member of the team needs to get a dropbox account. <http://www.dropbox.com>
3. One member needs to create a folder for the project and share it, via dropbox, with the whole team.
4. Each team member needs to create a personal subfolder in the project folder. Also, there needs to be a single folder for the master repository. So the directory structure might look like this:



Don't do this by hand, but rather use mercurial to do this. First, clone the master repository into the "master" folder:

```
cd 403Project
hg clone path_to_repo master
```

Then, make the individual clones:

```
cd 403Project
hg clone master Alice
```

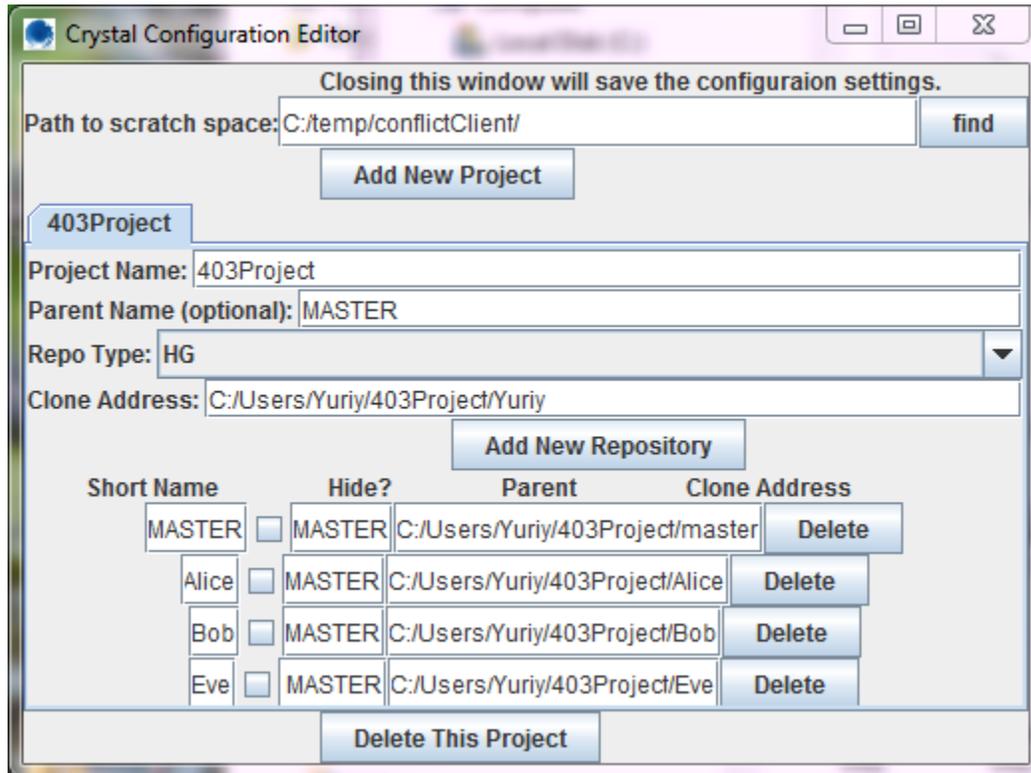
5. Download Crystal: <http://www.cs.washington.edu/homes/brun/research/crystal/crystal.jar>

- Double click the .jar or run it from the command line via

```
java -jar crystal.jar
```

(The command line version will print informative error messages if something goes wrong.)
- Crystal will open with a bunch of **X** icons. It needs to be set up!
- Select the File->Edit Configuration menu and fill out the dialog with your project information.

Example:



- Quit and restart crystal. It should look like this:



- Work in the individual folders (set up your IDE to use them) and Crystal will warn you as soon as you might be creating a conflict.
- Report bugs and feature requests to Yuriy Brun brun@cs.washington.edu. Check back for new releases!