Building a New Repository

Creating a regular repository

```
mkdir anewproject
cd anewproject
git init
```

Creating a bare repository for hosting (not interacting with locally)

or Naked, no local files, and with group UNIX permissions for headless use

```
git --bare init --shared
```

And once pushed to another location, you'll want it *tracked*, which can be done manually via editing the `.git/config file` or by issuing these commands:

```
git config branch.master.remote origin
git config branch.master.merge refs/heads/master
```

Creating a free hosted repo

Free hosting for small private Git repositories can be found at a number of sites on the web. A canonical list is maintained at the official Git site.

The one we'll use today is GitFarm, which is hosted on the Google App Engine.

I've already set up a repository for us to try:

```
git clone http://students11@gitfarm.appspot.com/git/students11.git
password: password
```

```
git clone http://students11:password@gitfarm.appspot.com/git/students11.git
```