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Setting up Limitless Locally

Prerequisites

To set up limitless-headland-1164 locally, there are a few prerequisites. You need to have Maven installed. To install it, just type:

```
sudo apt-get install maven
```

You also need to setup a local PostgreSQL database on your computer. These commands are specific for my Linux Mint 14 (Ubuntu) computer so it may be different for you.

Setting up PostgreSQL

Install PostgreSQL server using this command:

```
sudo apt-get install postgresql
```

Connect to PostgreSQL server using this command:

```
sudo -u postgres psql postgres
```

Change PostgreSQL user password using this command:

```
\password postgres
```

To quit, type:

```
\q
```

To create the first database, which we will call "mydb", simply type:

```
sudo -u postgres createdb mydb
```

Connecting to PostgreSQL

To connect to "mydb" database as "postgres" user, type:

```
psql -h localhost mydb postgres
```

Setting DATABASE_URL Environment Variable

Our servlets use the system environment variable DATABASE_URL to connect. The environment variable is already set for the Heroku system but it won't be set up on your local computer. To set it, type:

```
export DATABASE_URL=postgres://username:password@host:port/database
```

In my case, I type out:

```
export DATABASE_URL=postgres://postgres:password@localhost:5432/mydb
```

Setting DATABASE_URL Environment Variable Permanent

DATABASE_URL is temporary at this point. If you close out your terminal, the DATABASE_URL will not be set the next time you open your terminal. In order to set the DATABASE_URL environment variable permanently, type:

```
vi ~/.bashrc
```

You may have to edit a different file depending on your environment. The bashrc file may be a Linux Mint specific file. At the end of the file, I added:

```
export DATABASE_URL="postgres://postgres:password@localhost:5432/mydb"
```

Setup Script

From here, your database should be set up properly. To set up the Tomcat server, use the setup.sh script file that I made. It runs maven to package up the webapp and then runs the server. To run setup.sh, type:

```
./setup.sh
```