

Installing Hobby Cooperative Yourself!

The prototype for Hobby Cooperative consists of two execution environments: one Python environment that has direct access to a database and provides a JSON interface to the underlying business logic, and one Node.js environment that provides the HTML / JavaScript / CSS frontend. Both of these execution environments are required for Hobby Cooperative to be a fully functioning system. Below, we provide installation instructions for deploying Hobby Cooperative to the Heroku Cloud.

To view a live demo of Hobby Cooperative, navigate to <https://hobbycooperative.herokuapp.com/>. Feel free to sign up for an account as well!

Preliminary Deployment Steps

1. Create a free Heroku account:
<https://signup.heroku.com/dc>
2. Download the Heroku Toolbelt by following the instructions here:
<https://toolbelt.heroku.com/>
3. Provide the Heroku Toolbelt with your Heroku login credentials

```
$ heroku login
Enter your Heroku credentials.
Email: python@example.com
Password:
Authentication successful.
```

4. If you were provided with a ZIP archive for Hobby Cooperative, unzip it somewhere:

```
$ unzip hobbycoop.zip
```

At this point, you're ready to deploy the Python environment and the Node.js environment to your Heroku account!

Deploying the Python Environment

1. Navigate into the server directory, and initialize a git repo:

```
$ cd server
$ git init
$ git add -A
$ git commit -m 'Initial commit'
```

Alternatively, you can clone the most recent version of Hobby Cooperative from our BitBucket page:

```
$ git clone
https://bitbucket.org/hobbycooperative/hobbycoop-server.git
$ cd hobbycoop-server
```

2. Create your Heroku app to prepare for receiving the server code. Make sure to write down your app's assigned domain, as you'll need it for later!

```
$ heroku create
Creating murmuring-lake-4911... done, stack is cedar-14
https://murmuring-lake-4911.herokuapp.com/ |
https://git.heroku.com/murmuring-lake-4911.git
Git remote heroku added
```

3. Deploy the server code:

```
$ git push heroku master
```

4. Turn on the web server:

```
$ heroku ps:scale web=1
```

5. Provision and Initialize the database schema:

```
$ heroku addons:create heroku-postgresql:hobby-dev
Creating postgresql-transparent-1479... done, (free)
Adding postgresql-transparent-1479 to murmuring-lake-4911... done
Setting DATABASE_URL and restarting murmuring-lake-4911... done,
v9
Database has been created and is available
! This database is empty. If upgrading, you can transfer
! data from another database with pgbackups:restore
Use `heroku addons:docs heroku-postgresql` to view documentation.
$ heroku run python db_create.py
```

6. All done! You can check if your server is properly deployed by navigating to your app's domain, followed by "/categories". For example:

<https://murmuring-lake-4911.herokuapp.com/categories>

Deploying the Node.js Environment

1. Navigate into the client directory, and initialize a git repo:

```
$ cd client
```

```
$ git init
$ git add -A
$ git commit -m 'Initial commit'
```

Alternatively, you can clone the most recent version of Hobby Cooperative from our BitBucket page:

```
$ git clone https://bitbucket.org/hobbycooperative/h4h.git
$ cd h4h
```

2. Take the domain created for the previous Heroku app, and assign this domain to the `server_url` variable, as defined at the beginning of the file `dist/scripts/scripts.033adc63.js`.

```
$ vim dist/scripts/scripts.033adc63.js
var server_url = "https://murmuring-lake-4911.herokuapp.com/"...
```

3. Commit the change to your local git repo.

```
$ git add -u
$ git commit -m 'client is now connected to my deployed server'
```

4. Create another Heroku app to receive the client code:

```
$ heroku create
Creating blooming-inlet-2694... done, stack is cedar-14
https://blooming-inlet-2694.herokuapp.com/ |
https://git.heroku.com/blooming-inlet-2694.git
Git remote heroku added
```

5. Deploy the client code. You will see a lot of output, but all you need to worry about is what is printed last:

```
$ git push heroku master
...
...lots of preceding text...
...
remote:
remote: -----> Compressing... done, 10.6MB
remote: -----> Launching... done, v3
remote:          https://blooming-inlet-2694.herokuapp.com/ deployed
to Heroku
remote:
remote: Verifying deploy.... done.
To https://git.heroku.com/blooming-inlet-2694.git
* [new branch]      master -> master
```

Your Hobby Cooperative web page is now released and ready! All you have to do is navigate to your Heroku Client App to access the webpage and get started!