

# Developer Instruction

Provided below are the instructions to set up our application.

First, you need to install Ruby on Rails on your machine. To do this, we recommend using a Unix based machine such as MacOS or Ubuntu. We used Ruby version 3.0.0 and Rails 6.1.1.

Secondly, you need to install various dependencies. To have Webpacker on Rails we need to install yarn and Node.js with the following commands:

```
sudo apt install curl
curl -sL https://deb.nodesource.com/setup_12.x | sudo -E bash -
curl -sS https://dl.yarnpkg.com/debian/pubkey.gpg | sudo apt-key add -
echo "deb https://dl.yarnpkg.com/debian/ stable main" | sudo tee
/etc/apt/sources.list.d/yarn.list
sudo apt-get update

sudo apt-get install git-core zlib1g-dev build-essential libssl-dev
libreadline-dev libyaml-dev libsqlite3-dev sqlite3 libxml2-dev libxslt1-dev
libcurl4-openssl-dev software-properties-common libffi-dev nodejs yarn
```

For installing Ruby, we used the most common method, rbenv. Paste the following lines into your terminal:

```
cd
git clone https://github.com/rbenv/rbenv.git ~/.rbenv
echo 'export PATH="$HOME/.rbenv/bin:$PATH"' >> ~/.bashrc
echo 'eval "$(rbenv init -)"' >> ~/.bashrc
exec $SHELL

git clone https://github.com/rbenv/ruby-build.git ~/.rbenv/plugins/ruby-build
echo 'export PATH="$HOME/.rbenv/plugins/ruby-build/bin:$PATH"' >> ~/.bashrc
exec $SHELL

rbenv install 3.0.0
rbenv global 3.0.0

ruby -v
```

Now that you have Ruby you have to install the bundler.

```
gem install bundler
```

Following this, you have to install Rails:

```
gem install rails -v 6.1.1
rbenv rehash
rails -v
```

You need to install the database we are using which is PostgreSQL

```
sudo apt install postgresql-11 libpq-dev
```

After doing so you need to create a database and set up a user for it.

First, open your terminal and navigate to the directory where you saved the program using:

- ls to view the current folders and files you have the current directory
- cd *directoryname* (replace *directoryname* to the actual directory you want to go)

Once you have reached the desired directory, paste the following lines into your terminal:

```
sudo -u postgres psql / psql postgres for MacOS
create user buddy_scheme with password 'password';
create database buddy_scheme owner buddy_scheme;
alter user buddy_scheme superuser createrole createdb replication;
```

Then exit the console with Ctrl + D, and paste the following lines into your terminal:

```
Bundle install
rake db:migrate
```

Congratulations! Now you have everything you need to run the program. To run the server, paste the following lines into your terminal:

```
rails server
```

## Mailer Configuration

Currently, the emailing system works if the application is deployed on a local machine (localhost), as well as on the Heroku deployment. However, if the application is going to be deployed and used on a different server/with a different URL, a couple of changes need to be made within the applications files.

The first change needs to be made in the /mailers/coordinator\_mailer.rb file, where in line 6 and line 11, the phrase '<http://localhost:3000/>' should be replaced with the new URL of the deployment of the application. This will ensure that the correct link is displayed within the invitation emails sent to mentors/mentees of a buddy scheme.

The second change that needs to be made is in the /config/environments/production.rb file, where in line 102 and 103, the phrase 'localhost:3000' should be replaced with the new URL of the deployment of the application, without the 'https://' part.

Displayed below are the login details to the email account that the application uses when sending emails:

- Email: [kclscheme@gmail.com](mailto:kclscheme@gmail.com)
- Password: bestscheme