

Mr. Kumalo - Tic Tac Toe

Administration manual

The following instruction will guide you through the installation of Mr. Kumalo's Tic Tac Toe game. This will allow you to change the game if you want og deploy it on the internet on heroku site.

Supported operating systems:

- Windows XP, 7, 8
- Mac OSX
- Linux

You will need the following programs to run the project.

1. Git
2. Apache-Maven 3.1.1.
3. Java JDK 7
4. Heroku Toolbelt
5. Travis-CI
6. Additional for Mac: Brew package manager recommended.

1. Setup git. See help here: <https://help.github.com/articles/set-up-git>
2. Setup Spark framework for Java. See help here: <http://www.sparkjava.com/readme.html>
3. Navigate to <https://github.com/MrKumalo/Kumalo> and fork the repo Kumalo
4. Clone your newly forked repo to your computer using the command:
git clone "YOUR_USERNAME/Kumalo.git">https://github.com/"/>"YOUR_USERNAME/Kumalo.git
5. Check if you have Java 7 installed using the following command in terminal or command line:

`java -version`

If you don't have it, install Java 7, see help here:

Windows:

<http://www.dummies.com/how-to/content/downloading-and-installing-the-java-development-kit.html>

OSX:

<http://docs.oracle.com/javase/7/docs/webnotes/install/mac/mac-jdk.html>

LINUX:

Install Java using the following commands in terminal

- a. `sudo apt-get update`
 - b. `sudo apt-get install -y openjdk-7-jdk`
6. Check if you have maven installed using the following command in terminal or command line:

mvn -version

If you don't have it install maven, see help here:

Windows:

<http://www.mkyong.com/maven/how-to-install-maven-in-windows/>

OSX:

<http://www.mkyong.com/maven/install-maven-on-mac-osx/>

Linux:

Install maven using the following commands in terminal

- a. `sudo apt-get update`
- b. `sudo apt-get install -y maven`
7. Set up an account on heroku and install the heroku tools for terminal:
Using brew on mac type: `brew install heroku`
Using apt-get on linux: `apt-get install heroku`
On windows visit this link: <https://toolbelt.heroku.com/windows>
Follow these instructions to set up the command line tools <https://toolbelt.heroku.com/>
8. Set up travis by going to <https://travis-ci.org/> and linking your git repo to it.
9. Follow these instructions to link travis to your heroku server:
<http://about.travis-ci.org/docs/user/deployment/heroku/>
10. When the prerequisites have been met you can change your code locally on your machine and push them to github. That will launch your travis build, if the build passes all tests it will be deployed to your production server, otherwise you can see it on your staging server, as long as it compiles.
11. Navigate to your heroku production server and enjoy the game.