Neighborhood Social

DEPLOYMENT INSTRUCTIONS

Bryan Mort

Tim Morris

Jordan Roucco

Lloyd Mageo

Capstone Project [Fall, 2019]

The University of West Florida

12/6/2019

CIS 4595

Dr. Bernd Owsnicki-Klewe

Table of Contents

Table of Contents

1 Requirements

Deployment of this application requires a MongoDB Atlas cluster. You can sign up for an account and create your cluster here: https://cloud.mongodb.com/user#/atlas/login

This application also requires the use of an Apache Tomcat web server. Instructions to download and setup Tomcat can be found here: http://tomcat.apache.org/ Be sure to generate a certificate for use with the Tomcat server and application.

2 Installation Instructions

Once you have your MongoDB Atlas cluster, you can create your initial database. To do this, compile and run */InitDatabse/InitDatabse/InitializeDatabase.java*, which can be found in the main git repository. Answer the program prompts.

In order to properly configure the web application for secure HTTPS operation, you will need to modify the Tomcat server's *server.xml* file, found under */CATALINA_HOME/conf/server.xml*.

Add the following text, replacing the items in red with your own certificate information:

```
<Connector SSLEnabled="true" acceptCount="100" clientAuth="false"
disableUploadTimeout="true" enableLookups="false" maxThreads="25" port="8443"
keystoreFile="/home/tomcat.jks" keystorePass="myK3st0reP@ssword"
protocol="org.apache.coyote.http11.Http11NioProtocol" scheme="https" secure="true"
sslProtocol="TLS" />
```

Save *server*.xml and restart the Tomcat sever for changes to take effect.

Finally, to deploy the application to the web server, access the **Tomcat Manager GUI**. Look for the section to deploy a .WAR archive. Select file and navigate to ***web.war***, included in the root of the git repository. Click *Deploy*.

CONGRATULATIONS! Neighborhood Social is now LIVE and ready for use!