# Project Build and Run Instructions

## Programs necessary

* Eclipse Java EE (ideally most recent Luna release)
* Tomcat Server (Most recent release)
* MySQL server
* MyElective Project

## Important links

Eclipse: <https://eclipse.org/downloads/packages/eclipse-ide-java-ee-developers/lunar>

Tomcat Server: <http://tomcat.apache.org/download-60.cgi>

MySQL Server: <http://dev.mysql.com/downloads/mysql/>

## Building from Zip file

1. Once you have installed MySQL server, run the database script found in WebApp > MyElective > Database File > Create Database.sql to create the my\_elective database.
   1. In order for the project to run correctly make sure that your username to log into your database driver is “root” and your password is empty (or the password you have chosen for localhost).
   2. It will create an encrypted user with the username “doug” and password “password”
2. Open Eclipse Luna and import WebApp > MyElective into your Eclipse workspace.
3. Add the mysql-connector-java-5.1.34-bin into WEB-INF > lib
4. Add the two commons jars into WEB-INF > lib
5. Right-click the project and proceed to properties > java build path and add external jar mysql-connector-java-5.1.34-bin, and the two commons jars to library.
6. Right click project and run > run on server and use the tomcat server downloaded

## Building from Git Repository

1. In Eclipse Luna menu bar click Window > show view > git
2. Clone a new repository using URI: <https://github.com/KyleKilbride/Webapp.git>
3. Make sure that your MySQL server is installed and run the database script found in WebApp > MyElective > Database> Create Database.sql
4. Right click project and run > run on server and use the tomcat server you had just installed.
5. All credentials pulled from the git should be imported into your project. If there are still having issues check that your username and password match for the MySQL server driver in the DBUtility.java filed found in Java Resources < src < com.elective.jdbc

# Usage

In order to use the admin functions of the application, you must log in with username ‘doug’ and password ‘password’. Each password is encrypted in this release so checking the database is not going to work to retrieve password.

The create database script has an admin user and encrypted password that are created when run.