

Installation Manual

Version 1.1

CheckMates
Programming Laboratories

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1 Introduction

The *CheckMates* project was developed in the context of *Programming Laboratories*, a 4th year course in FEUP's MIEEC.

This manual will provide instructions for the correct installation of the *CheckMates* product, namely its chess client and server, as well as system requirements and download links.

The client consists of a jar file that the user can run in order to play the game locally. If the server is up and running, the client can connect to it and gain access to remote game play, interaction with friends, etc.

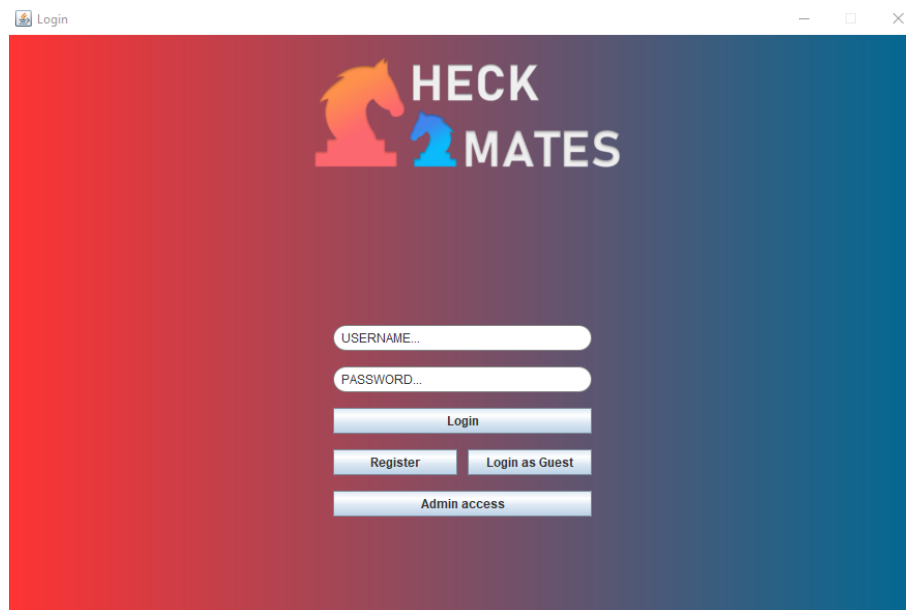


Figure 1: Login Page

The server is connected to a PostgreSQL database, hosted by FEUP's services. Once executed, the server enables the remote game play between friends, as well as all the features that require the user to be logged in to properly function.

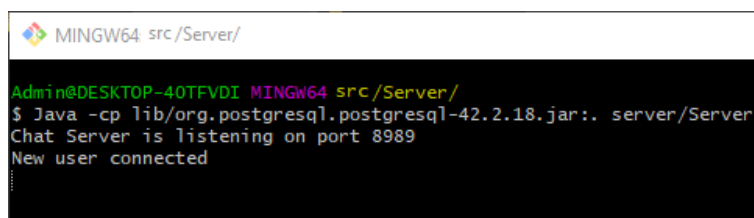


Figure 2: Server running and waiting for client connection

2 Instructions

2.1 Client

The client is easy to deploy, as simple as launching (double clicking) the jar file.

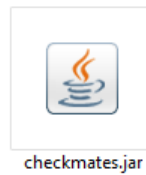


Figure 3: *CheckMates* jar file

2.2 Server

The server must be started in the command line, as depicted in figure 2 above, using for example Git Bash inside the 'src/Server' folder:

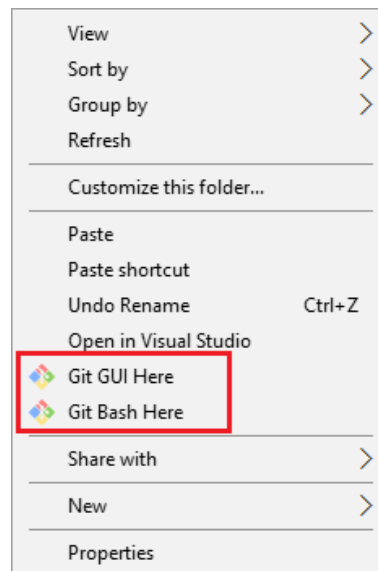


Figure 4: Git Bash Here

Then run:

```
Java -cp server/lib/org.postgresql-42.2.18.jar:. server/Server (1)
```

3 System requirements

Both the client and the server were tested in Windows 10 Education and Ubuntu 20.04. In order to ensure stable operation, the only requirement is the newest version of Java, which we advise you to update using the following guides:

- [Windows](#)
- [Linux \(64 bits\)](#)

The server also needs the PostgreSQL JDBC Driver to be in its CLASSPATH, which we force by using `-cp` in the command [1](#) above. If you want, download it from [here](#).

4 Download

The client and server can be downloaded from our [GitLab](#) or from the links below:

- [Client \(jar file\)](#) - [VirusTotal Scan](#) (100% Clean)
- [Server \(zip file\)](#) - [VirusTotal Scan](#) (100% Clean)