**The Matchmakers**

For our GUI project final, we created an application for a student housing complex. The application allows the owners to create admin accounts for themselves or the resident assistants where they can view the payments of the student residents, create events for the students to attend, view maintenance requests from residents, and view all residents that have created an account. It also allows student residents to create their own accounts where they can upload and store their lease documents, submit maintenance requests, submit payments, and view the events created by the admins.

**Getting Started**

You will need to download the zip file of the whole project from the GitHub repository

**Prerequisites**

You will need to have 7-zip to unzip the folder, IntelliJ which you can get from the jet brains website, and you will need JDK 8, 10, or 11 with javafx working which you can get from oracle.

**Installing**

**7-Zip**

1. First go to <https://www.7-zip.org/> and click download next to the 64-bit x64.
2. Once downloaded, go through the installer and finish installing it
3. Once installed you can right click on the downloaded zip folder and then hover your mouse over 7-Zip
4. Then click on Extract here to create the folder in the same spot or click extract files to create it in a different location.

**IntelliJ**

1. First you want to go to [www.jetbrains.com/idea/](http://www.jetbrains.com/idea/) and click download. You can either download the Ultimate version and use the free trial, or if you are a student you can get it for free. If not click download on community to download IntelliJ.
2. Once downloaded, follow the installer and agree to everything to install IntelliJ.
3. Remember where you downloaded our zip file and what folder you extracted it to.
4. Once installed, either click file, then new, then project from existing sources, or just create project, then project from existing sources and select the folder from the extracted zip download.

**JDK 8**

1. First you want to go to <https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html> and scroll down to Java SE Development Kit 8u192.
2. Click the circle next to accept license agreement
3. Click the last download on the right side of Windows x64
4. Once it is done downloading go through the installer and select a folder to install it that you will remember.
5. Once the JDK is installed go into your IntelliJ project click on File in the top left, then Project Structure, then under project and Project SDK, select New, then JDK, and then click the folder you installed it to, and select 1.8.0\_192

**Deployment**

If you already have IntelliJ installed just launch it and select either open project from existing sources, or file then open project from existing sources and select the extracted project folder.

**Authors**

* Dan Bailey: Lead Back end programmer
* Eric Hoffman: Team Leader, some back end coding, and final documentation
* Jacques Louis: Front end programmer
* Daniel Montoya: Lead front end programmer, also helped back end
* Ken Orsini: QA testing, documentation, and helped with some things everywhere else