

Installing the Application

Prerequisites

My Assignments is ran on top of the Java Runtime Environment (JRE). We require a JRE of at least version 8 (aka 1.8). You can download Java 8 here:

<http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html>. As of the time of writing this document, Java 9 has been released. However, the stability of Java 9 is a little questionable, so it is recommended that you run My Assignments on Java 8.

On the Java download page there are multiple installers to choose from. For a MacOS system, the installer of choice for Java 8 would be under `jre-<your java version>-macosx-x64.dmg` where `<your java version>` is the Java version that you would prefer. The most recent Java 8 version, as of the time of writing this document, is 8u152. For a Windows system the installer would be `jre-<your java version>-windows-x64.exe`.

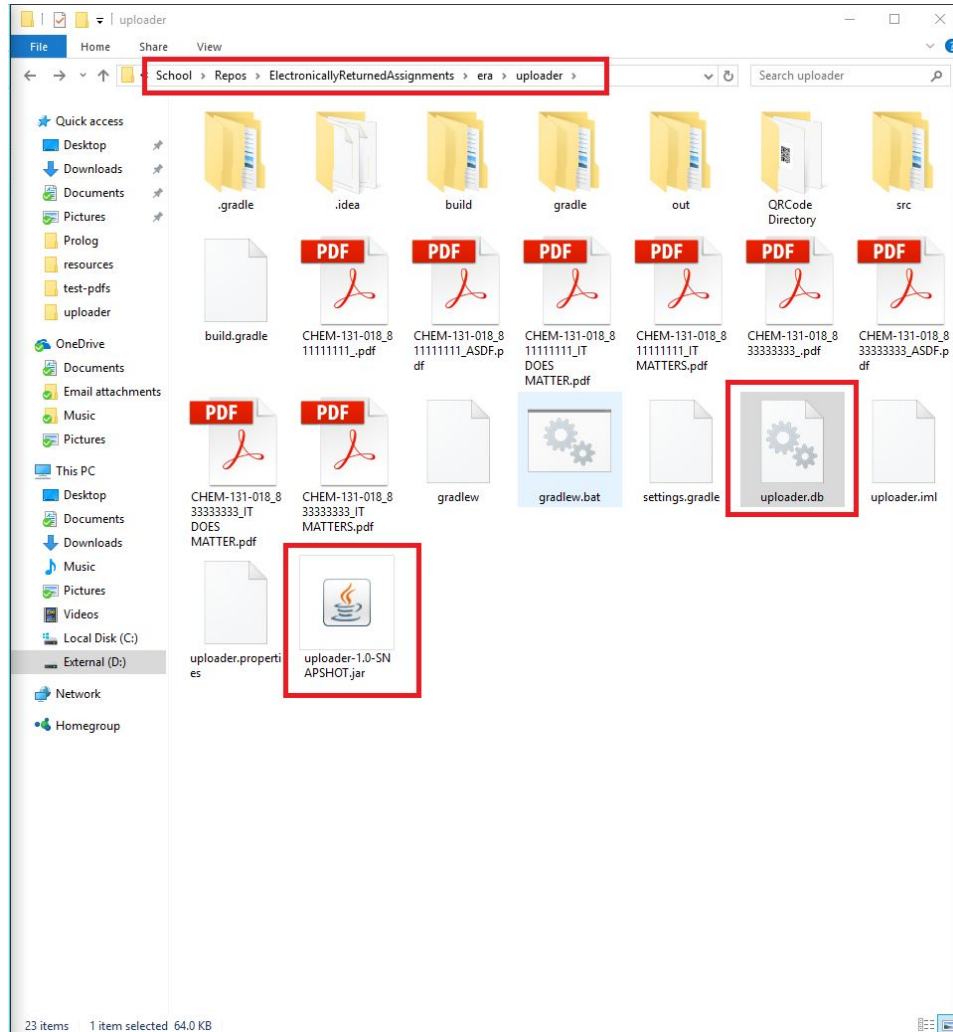
The Zip Archive

Once you have ran through the installer for Java 8 you are now ready to run My Assignments. As of writing this document, My Assignments is distributed in a single zip archive. If your name is Dr. Myron Jones, you should have received the zip archive in the email the My Assignments team gave you. If you are anyone else, you should be to get the archive from the project's github (<https://github.com/michaelbrodes/era>). The zip archive should consist of four files: this README, `uploader.properties`, `my-assignments-uploader-v010.jar`, and `uploader.db`. `Uploader.properties` is the config file for running my-assignments. It is not recommended that you edit this config file current. Once My Assignments is finally released, the config file will be edited via the installer we ship it with. `Uploader.db` is the SQLite database file. You can extract the Zip Archive in any folder that doesn't require admin privileges to access. An example of a folder that doesn't require admin privileges would be the Documents folder.

Using the Application

1) Running the Application

Make sure that when you try to run the application that the .jar file is in the same directory as the uploader.db file, and uploader.properties. Currently they need to be in the same directory for the application to run, so if you are double clicking on it and it isn't running, check this first.



2) General Workflow

With the application now open you should be on the home window. From here we will walk through the general creation of a course, creating an assignment, and then scanning in pdfs with QR codes placed on them.

[illegible]

3) Creating a Class

From the home GUI, click the leftmost button labelled “Create Class”. This will open up a new window for Class Creation. From here you will select the **Term** (Fall, Winter, Spring, or Summer) your class will be taking place in, as well as the **Year**. The “Browse Files” button is used for selecting the course’s roster that should be stored in a CSV (comma separated value) file that you are given via Blackboard.

Navigation Menu

Create Course

Term... ▼

Year... ▼

Browse Files

Chosen File

Create Course

Student Name	Student ID	Course Name
No content in table		

4) Creating an Assignment

From this screen, give the assignment a name, pick the course for which the assignment is for, and specify the number of pages that the assignment will have, this will create the corresponding amount of QR Codes for each student enrolled in the selected course. For example, if a course “Example Course” had two students in it, “Lana” and “Pam” and the Assignment length was selected as 2, then 2 QR Codes would be made for “Lana” and 2 QR Codes for “Pam”. After filling out all of the fields, click ‘Create Assignment’. Doing this essentially creates a QR code to put on each page for each student. The QR codes are saved as .PNG files in the ‘QR Code Directory’ folder, which should be in the same directory as the .jar file. Currently, if you want to ‘mock’ an assignment, you have to copy and paste each QR code onto its own page. Eventually, we plan on having the user be able to print off a list of QR codes on stickers from this page.

Navigation Menu

Assignment Creation

Assignment Name

Assignment Name

Course Name

Course

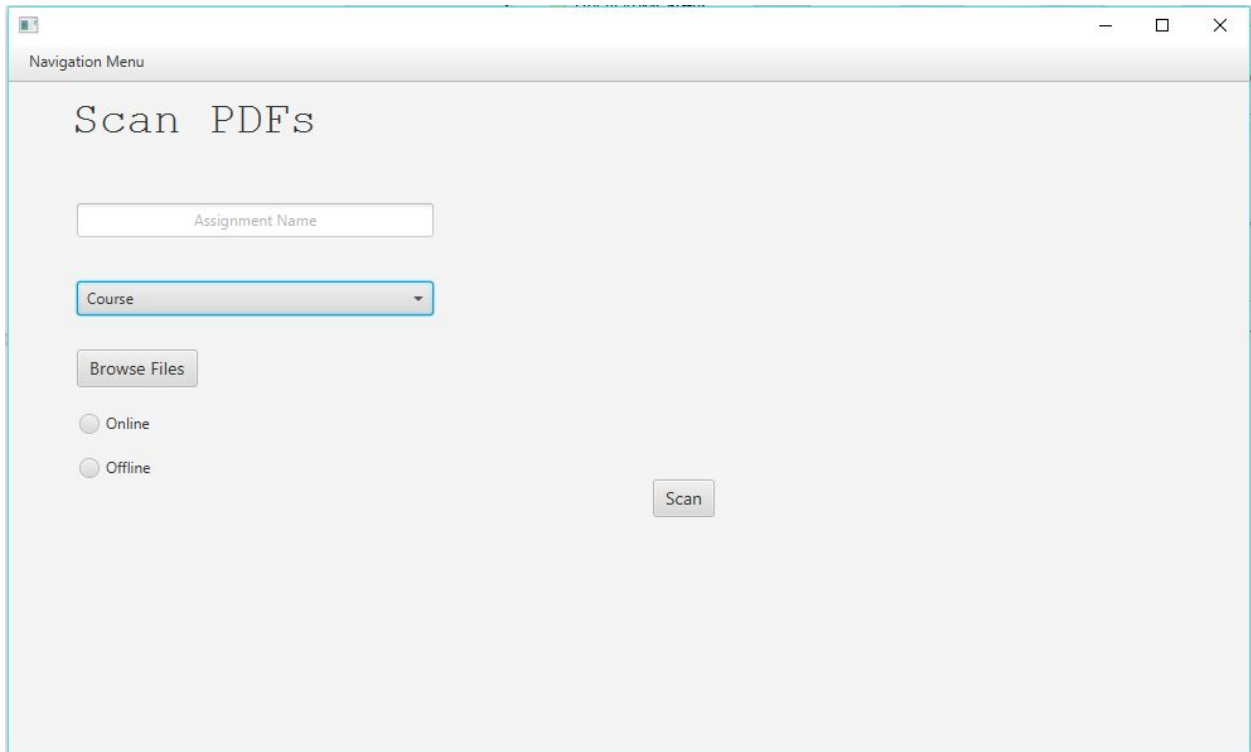
Assignment Length (pages)

Number of Pages

Create Assignment

5) Processing an Assignment

After creating the QR Codes for the Assignment the next step will be to put those QR Codes onto the documents you want to scan in, take those documents and create a scanned pdf file.



The screenshot shows a web application window titled "Scan PDFs". The window has a "Navigation Menu" bar at the top. Below the title, there is a text input field labeled "Assignment Name". Below that is a dropdown menu labeled "Course". Further down is a "Browse Files" button. At the bottom left, there are two radio buttons labeled "Online" and "Offline". At the bottom right, there is a "Scan" button.

On this window make sure to give the Assignment you are scanning in an appropriate name, select the course it will be associated with, and then use the "Browse Files" button to find the scanned in document you wish to have processed. Currently the "Online" and "Offline" buttons are non-functional. After all fields are filled out hit the "Scan" ("Process") button.

When all necessary fields are filled out your window should look something like this.

Navigation Menu

Scan PDF's

Example Upload

CHEM-131-004

Browse Files ReadMeExample.pdf

☒ Online
☐ Offline

Scan

Press the “Scan” button (to be renamed “Process”) and the following window should appear.

Percent of Pages Processed

100%

Error Messages

Message	Page Number
No Errors Currently Present	

OK

This window will display the progress of your file as it is processed within the system.

If an error occurs while processing a page the page number and corresponding error message will be shown in the below box.

Once your pdf document has finished processing you should be able to find your now broken up assignments associated with each student in the same working directory as the .jar file and uploader.db file.

