Product Description

for the

Electronically Returned Assignments

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Electronically Returned Assignments Description

Electronically Returned Assignments (ERA) is a Desktop and Web based application for Windows, macOS, and Linux that allows professors to digitally return graded assignments using Quick Response (QR) Codes and a secure database. ERA QR codes encode information identifying the student that turned in the assignment. ERA is made up of two components: an Uploader and a Server. The Uploader is a desktop application that deals with uploading assignment pdfs to the Server with the information encoded on the assignment's QR code. The Server is a web based application that provides an Application Programming Interface (API) for storing and retrieving documents stored in a database. Students will login with their SIUE credentials to interface with the Server to view pdfs of graded assignments returned by their professors. Students shall only have access to their own work.

The typical workflow of ERA starts with the professor creating a class that will have assignments associated with it stored in the database. After the class has been created the professor will then input the students into the class roster by their e-id. After the class is created the professor can add graded material. For every student inputted the professor will receive a sheet of generated QR codes identifying the student for every page of every graded material. Once the graded material is finished the student is responsible for putting QR code stickers on the top right of every page of the assignment. The documents are then turned in, graded, and scanned into ERA by the Professor or TAs. After that point multi-page documents are compiled into one file and are uploaded to the server based on the QR code information. Once all pages are uploaded for the class the professor has an option to email all the students in their class with the URL on the Server for that assignment. The Server will allow Students to login using their e-id and password. Once the student logs into the server they will be presented with a list of PDF documents for every graded document in that class. When a class ends for the semester

all students' graded documents are archived into a single file and exported to the Uploader for
physical copy and storage.