**Glass Studio Art Tracker**

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**Overview**

My project will track inventory and artist pay/credit at an art studio. It will allow artists to track items they have placed in a gallery for sale. It will also allow administrators to track inventory, money and studio time owed to artists. Artists and administrators will be granted different rights to view and modify information.

This project was motivated by the need for artists at a local glass factory to track the sale of art they’ve created, hours they’ve worked, and credit for studio time at the shop. It will also be beneficial for owners of the glass factory to have a method of tracking art and hours, which are not tracked in detail (overall sales are tracked, but there is no means of tracking individual items).

**Features**

1. User login: Will use third party authentication and will grant different rights to artists and administrators.
2. Capabilities and rights:

* Artists will be able to:
  + View only own art, hours worked, money earned, etc.
  + Add hours worked for various tasks and allocate credit earned from time worked and art sold
* Administrators will be able to:
  + View all artists’ data.
  + Add and remove art
  + Approve hours worked and credit artist
  + Mark items as sold and credit artist

**Technologies**

* Java
* Spring Boot
* MySQL
* Thymeleaf templates
* Bootstrap
* JavaScript?? (or html/css)

**What I’ll Have to Learn**

* User login using third-party authentication, which will require learning how to use an OAuth2 provider such as Google Authentication
* Different logins and rights for administrators and artists
* Best practices for image storage in databases
* JavaScript if I choose to use it