

# 3D Print Tracker

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## Requirements

1. Allow a user to enter print info
2. Allow a user to view their past print info
3. Allow administrators to view and filter all past prints
4. Allow administrator to update and delete prints
5. Generate a CSV of print info to send to the business office

### Allow a user to enter print info

- User should be able to enter their student ID number and select 'view print'
- If the user has used the website before, they should be prompted to confirm their first/last name to ensure the ID number is entered correctly
- If the user has not used the website before, they should be prompted to enter their first and last name
- The user will be taken to a page to enter a description of their print along with the price
- This print info will be saved to the database. Print info will include description, price, and print date

### Allow a user to view their past print info

- A user will be able to view a table with a list of all their past prints and the information associated with the print, including description, price, print date, and whether or not it has been sent to the business office yet

### Allow administrators to view and filter all past prints

- If a user is marked as an administrator, they will be able to view a screen with all past prints
- These prints will be able to be filtered based on user, date, and whether or not the print has been invoiced

### Allow administrator to update and delete prints

- If a user is an administrator, they should be able to change information on a print or delete a print from the screen where they view all prints

### Generate a csv of prints

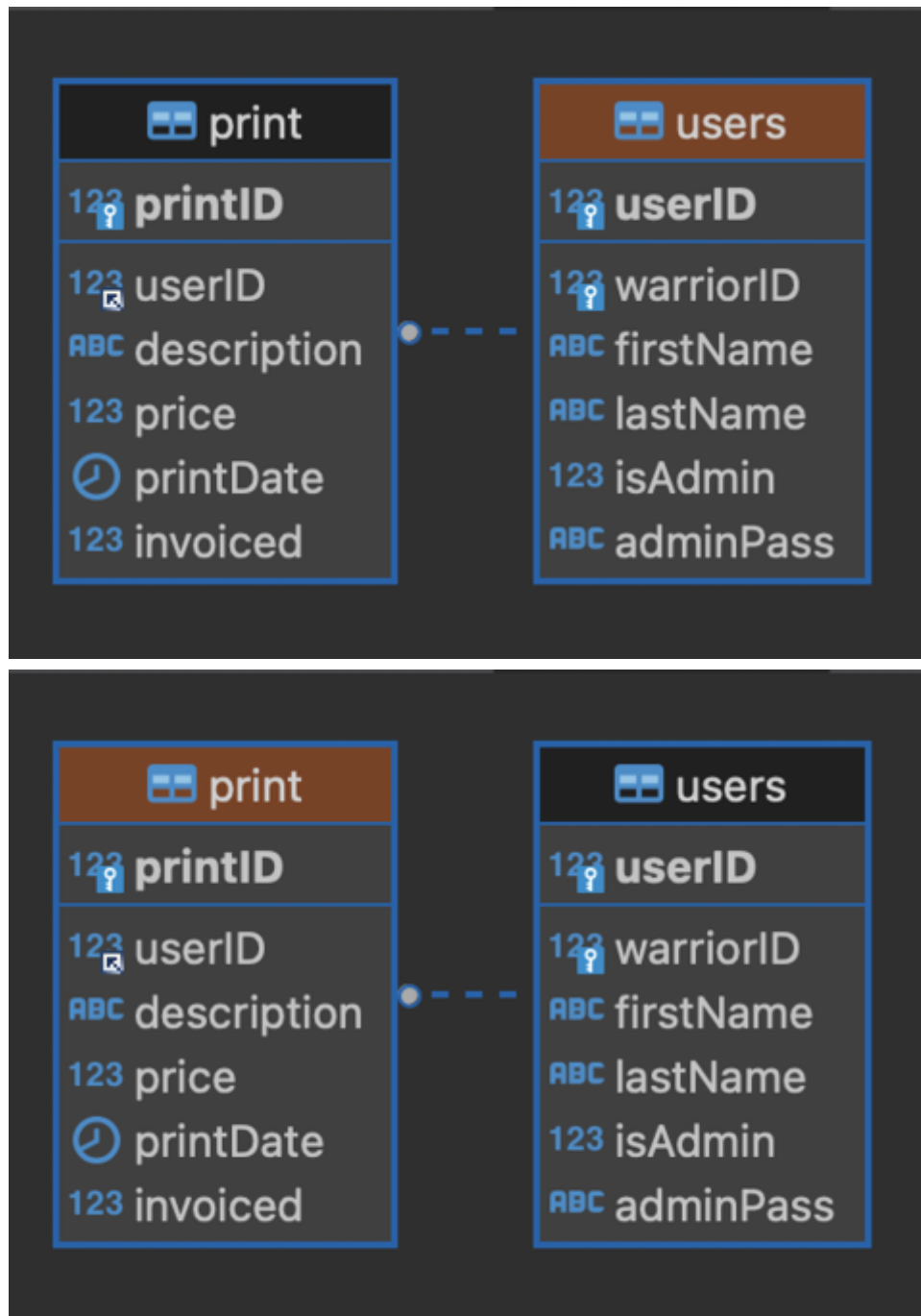
- For each time period, an administrator should be able to download a csv of all prints from that time period
- The csv should contain users' student ID numbers for each user that has printed that month along with the total price of all prints for that user

## Technology

- Front End: ReactJS
- Back End: Python
  - Will use flask library

- Database: MariaDB

## Database Diagram



## Future improvements

- Secure password usage for administrators (currently, we will not be concerned with safely storing a password)
- Automatically email the csv report to the business office