Sprint 2

Deployment Environment

Web Server:
ec2-18-216-214-86.us-east-2.compute.amazonaws.com

Login Credentials

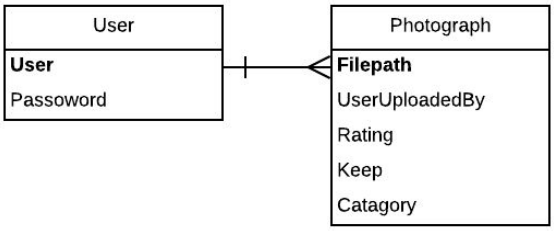
Username: guest
Password: guest!

Functional Requirements (Updates From Sprint 1 Bolded)

- Submit Photographs
  - User must be able to select files to upload
  - **Uploaded files must be ranked by the machine learning algorithm and have relevant information uploaded to the database**
- Search
  - User must be able to input SQL queries into the database and have results returned
  - **The image, rating, and whether or not the image will be kept must be displayed**
- **Delete Photographs**
  - **User must be able to mark photos they want to delete, indicated by a red border around an image**
  - **User must be able to mark photos they want to keep, indicated by a blue border around an image**
  - **Clicking a photo changes whether or not it is marked for deletion**
  - **Photographs marked by the user to be deleted must be deleted**
- Login
  - User must be able to login into the system when correct credentials are provided
  - User must not be able to access site content when not logged in.

Database Design

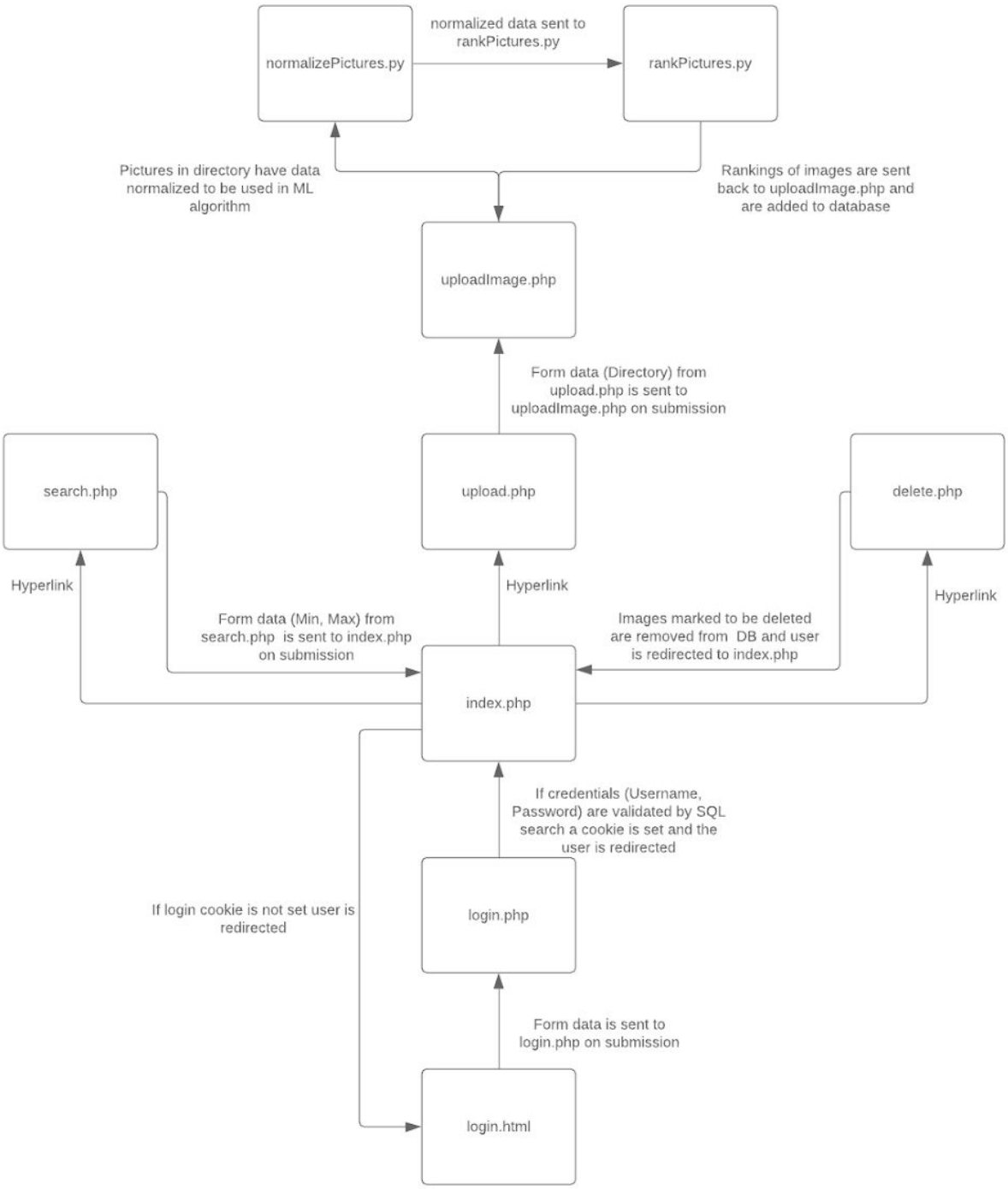
ERD



DDL

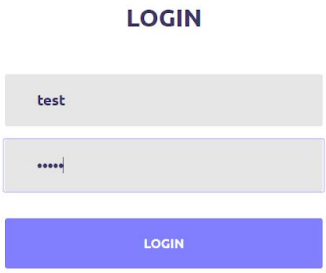
```
CREATE TABLE Photograph (
    Filepath varchar(256) NOT NULL,
    UserUploadedBy varchar(256) NOT NULL REFERENCES User(User),
    Rating int NOT NULL,
    Keep boolean DEFAULT TRUE,
    Category varchar(256) DEFAULT 'N/A',
    PRIMARY KEY(Filepath)
);
CREATE TABLE User (
  User varchar(256) NOT NULL,
  Password varchar(256) NOT NULL,
  PRIMARY KEY(User)
);
```

Design Document

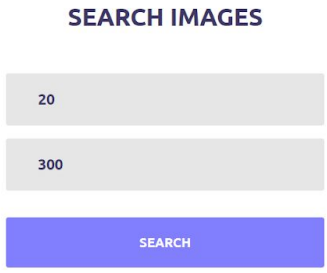


Visual Design Mockup

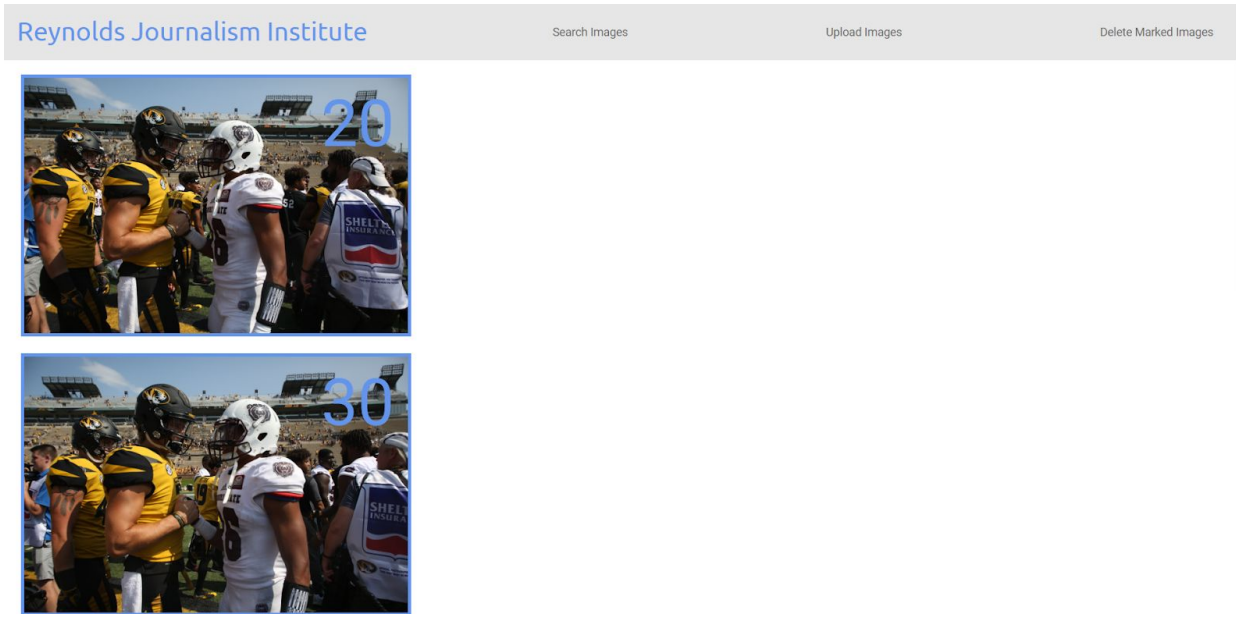
Logging in



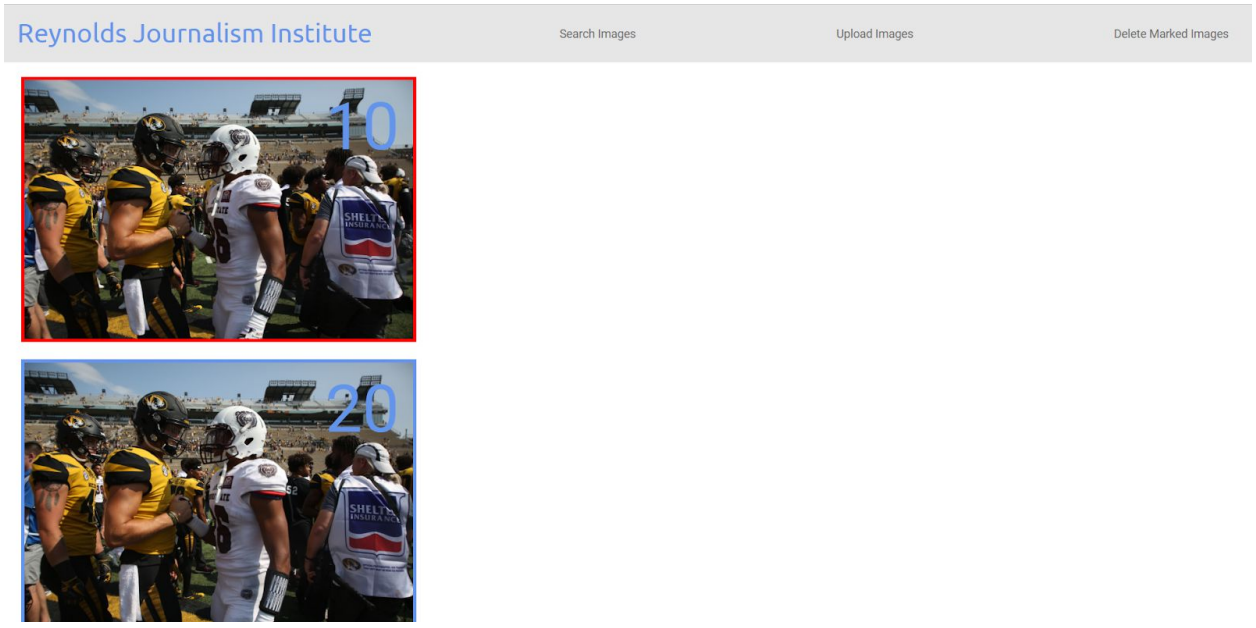
Searching images

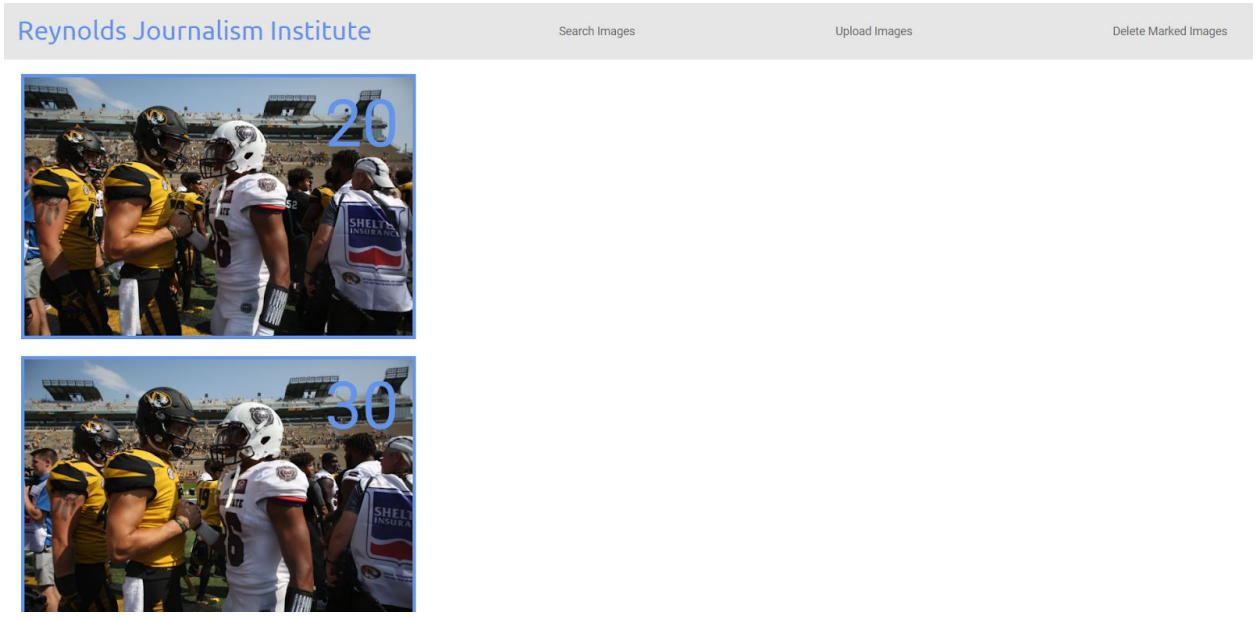


Toggling whether or not to ‘keep’ image



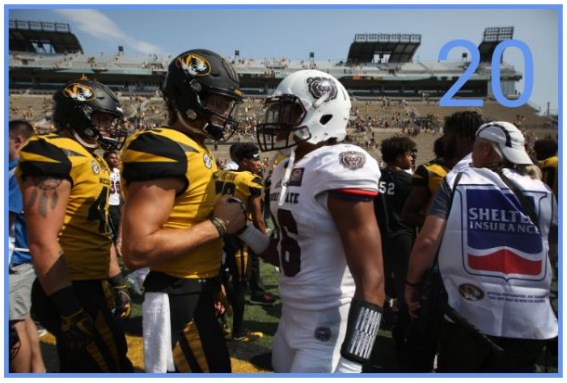
Deleting marked images





Unit Testing

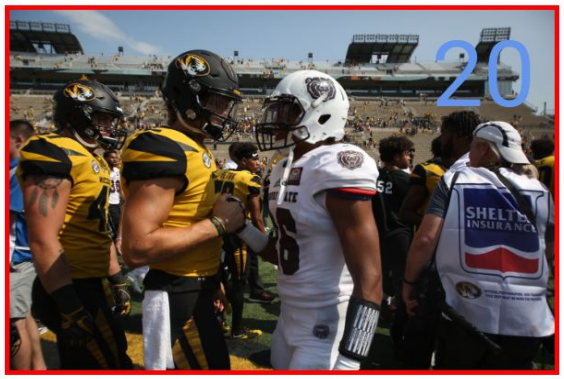
Testing if ‘keep’ status of images can be toggled from index.php




```
1 •  SELECT Keep FROM Photograph WHERE Rating=20;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Keep
▶	1

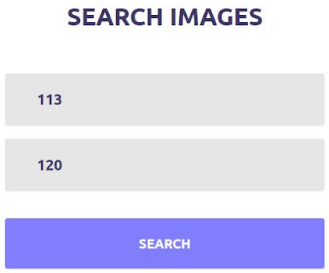


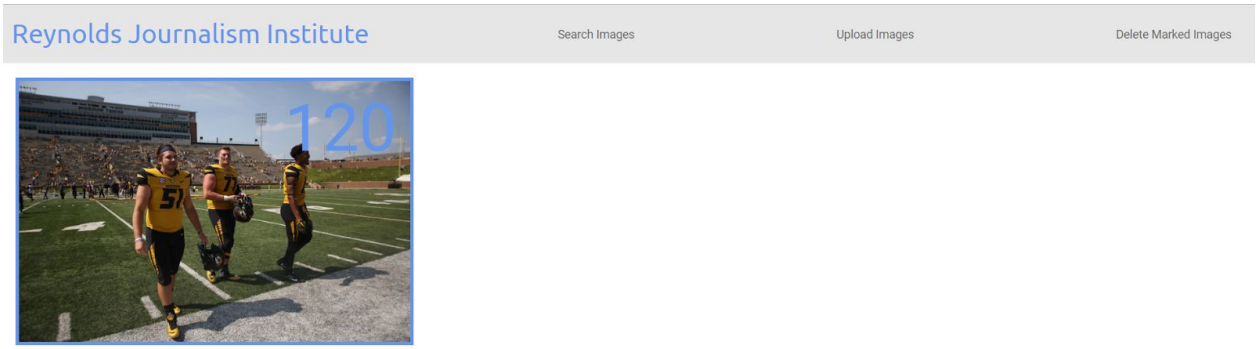

```
1 •  SELECT Keep FROM Photograph WHERE Rating=20;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Keep
▶	0

Testing if images can be searched using HTML form





Status Update

- Complete
    - Searching images
    - Marking images for deletion
    - Deleting images
    - Logging in
- Not Complete
    - Uploading images
        - Images are able to be uploaded into the database but because the machine learning isn't operational the ranking and keep tags are set to zero
        - Once machine learning is completed finishing this will be trivial
    - Ranking images
        - Data normalization is proving to be difficult

- Several methods have been tried but the program continues to be inoperational
- Advice on how to overcome this will most likely be needed, will be sought in office hours next week