

# Photo Management Challenge

## Requirements:

1. Any photos a user uploads should be unapproved.
2. Only admins or moderators can approve photos.
3. No other user should be able to see unapproved photos.
4. The user that uploaded the photo should be able to see the photo but it should be clearly identified as “awaiting approval”
5. When a user uploads their first photo this should not be set as their main photo.
6. When an admin or moderator approves a photo for a user that does not have a main photo then this should set the photo to main.

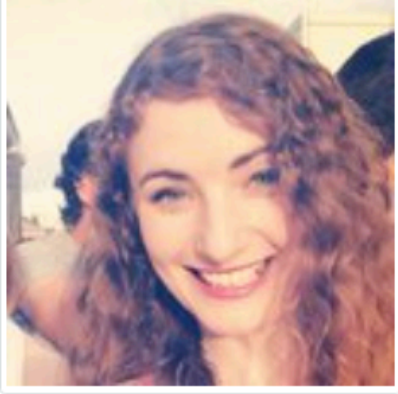
## Photo Management recipe

1. Add isApproved to Photo entity.
2. Add a DbSet for the photos so we can query directly
3. Update the PhotoDto
4. Update the Seed Users so the initial photo is approved for seeded users
5. Drop DB and add migration
6. Add a Query filter to only return approved photos
7. Ignore Query filter for the current user (GetMemberAsync) so the current user still sees their unapproved photos
8. Add a PhotoForApprovalDto with the Photo Id, the Url, the Username and the isApproved status
9. Add a PhotoRepository that supports the following methods:
  1. GetUnapprovedPhotos
  2. GetPhotoById
  3. RemovePhoto
10. Implement the AdminController GetPhotosForApproval method
11. Add a method in the Admin Controller to Approve a photo
12. Add a method in the Admin controller to reject a photo
13. Remove the logic in the UsersController when adding a photo to automatically set a photo to main if they do not have a main photo (no unapproved photos should be a users main photo).
14. Add the logic in the Admin controller approve photo method to check to see if the user has any photos that are set to main, if not then set the photo to main when approving. Will need a method to get a user by the photo Id in the user repository to do this:
15. Update the Delete Photo method in the UsersController to use the GetPhotoById method from

the PhotoRepository so they have the ability to delete photos not yet approved.


16. Test the requests in Postman.
  1. Login as Lisa,Todd,Admin and save the 3 tokens to the env
  2. Add 2 photos for Lisa
  3. Get the unapproved photos as admin (should see 2 photos)
  4. Get lisa profile as Lisa. Should see both the unapproved photos.
  5. Get lisa profile as Todd. Should not see unapproved photos.
  6. Approve one of lisa's new photos.
  7. Reject one of lisa's new photos
  8. Get Lisa's profile again as todd. Should now see the approved photo.
  9. Register a new user (bob) and save token as bob\_token
10. Add 2 new photos for bob - both should be unapproved and neither should be set as the main photo
11. Approve one of bobs photos as admin - this should now be set as Bob's main photo.
17. Update the photo.ts with the isApproved property and an optional username
18. Add 3 new methods in the admin service:
  1. getPhotosForApproval()
  2. approvePhoto()
  3. rejectPhoto()
19. Add the corresponding methods in the photo-management.component.ts.
20. Display the photos in the photo-management.component.html along with the username of the user and approve/reject buttons underneath the photos to call the appropriate methods when clicked.
21. Add some style so the photos take up 150px height/width
22. In the photo-editor when a user uploads photos ensure that some text is positioned absolutely on any currently unapproved photos as "awaiting approval" in red. Also reduce the opacity to 0.2 for any unapproved photos.
23. Make sure that a user cannot select an unapproved photo as their main photo, but they can still delete unapproved photos.
24. Test it all in the browser:
  1. Add a new photo for Lisa - should see something like this:

## Your profile




**Location:**  
Greenbush, Martinique


About LisaEdit Photos



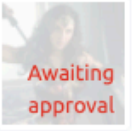
Main



Main



Awaiting approval



Awaiting approval

Add Photos


Drop photos here

2. Login as admin and go to the photo Management - should see:

## Admin Panel


User managementPhoto management

bob




ApproveReject

lisa



ApproveReject

lisa




ApproveReject

3. Approve one of Lisas photos. Photo should be removed from the view:

## Admin Panel


User managementPhoto management

bob



ApproveReject


lisa



ApproveReject


4. Go to Lisa's photo editor - should see:


## Your profile





**Location:**  
Greenbush, Martinique


About Lisa Edit Photos




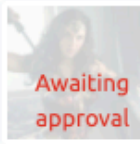
Main 




Main 




Main 




Awaiting approval  
Main 


Add Photos




Drop photos here



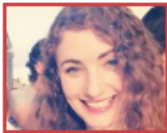
5. Login as another user. Ensure that you cannot see the photo that is not approved but can see the recently approved photo.



 Online now  
**Location:**  
Greenbush, Martinique  
**Age:**  
64  
**Last Active:**  
3 months ago

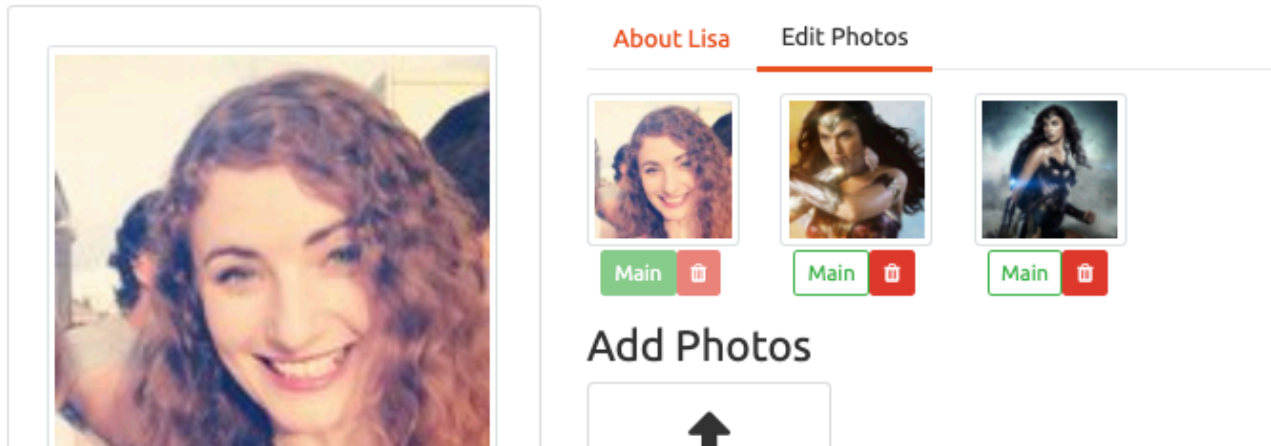
About Lisa Interests Photos Messages





- Go back to admin and reject Lisa's photo - ensure it is removed from the Photo editor in Lisa's browser (after refresh)

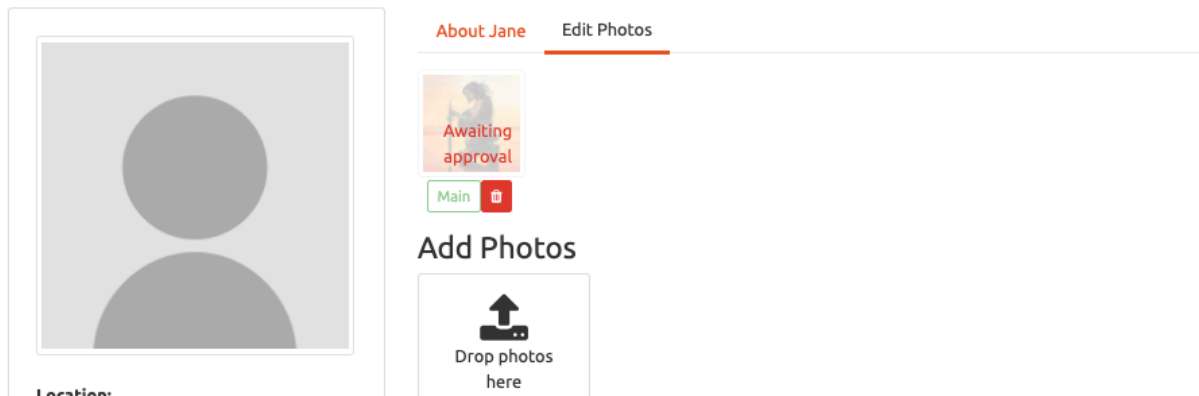
## Your profile

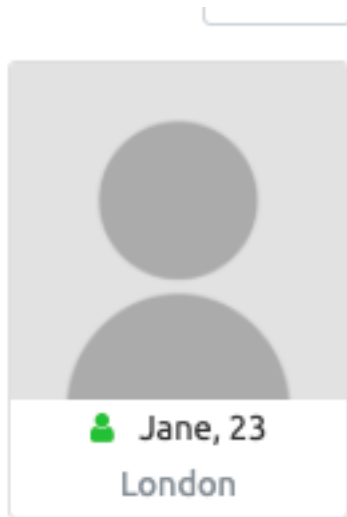


- Register a new user and upload a new image. Ensure that no other users can see the image uploaded as it is unapproved.



## Your profile





8. Approve the photo as admin and ensure that (after a refresh) the new user (Jane) can see the image as her main photo and other users can also see this as well.

