

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 feature recipe

API

1. Add isApproved to Photo entity.
2. Update the Seed Users so the initial photo is approved for seeded users
3. Drop DB and add migration
4. Add a Query filter to only return approved photos
5. Ignore Query filter for the current user (GetMemberAsync) so the current user still sees their unapproved photos
6. Add a PhotoForApprovalDto with the Photo Id, the Url, the Username and the isApproved status
7. Add a PhotoRepository that supports the following methods:
 1. GetUnapprovedPhotos
 2. GetPhotoById
 3. RemovePhoto
8. Implement the AdminController GetPhotosForModeration method
9. Add a method in the Admin Controller to Approve a photo
10. Add a method in the Admin controller to reject a photo
11. Remove the logic in the MembersController 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).
12. 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:
13. 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.
14. Test the requests in Postman.
 1. Login as Lisa
 2. Add 2 photos for Lisa
 3. Login as admin
 4. Get the unapproved photos as admin (should see 2 photos)
 5. Get lisa profile as Lisa. Should see both the unapproved photos.
 6. Login as todd
 7. Get lisa profile as Todd. Should not see unapproved photos.
 8. Login as admin
 9. Approve one of lisa's new photos.
 10. Reject one of lisa's new photos
 11. Get Lisa's profile again as todd. Should now see the approved photo.
 12. Register a new user (bob) and then login as Bob
 13. Add 2 new photos for bob - both should be unapproved and neither should be set as the main photo

14. Approve one of bobs photos as admin - this should now be set as Bob's main photo.

Client

15. Update the photo.ts with the isApproved property and an optional username

16. Add 3 new methods in the admin service:

1. getPhotosForApproval()
2. approvePhoto()
3. rejectPhoto()

17. Add the corresponding methods in the photo-management.component.ts.

18. 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.

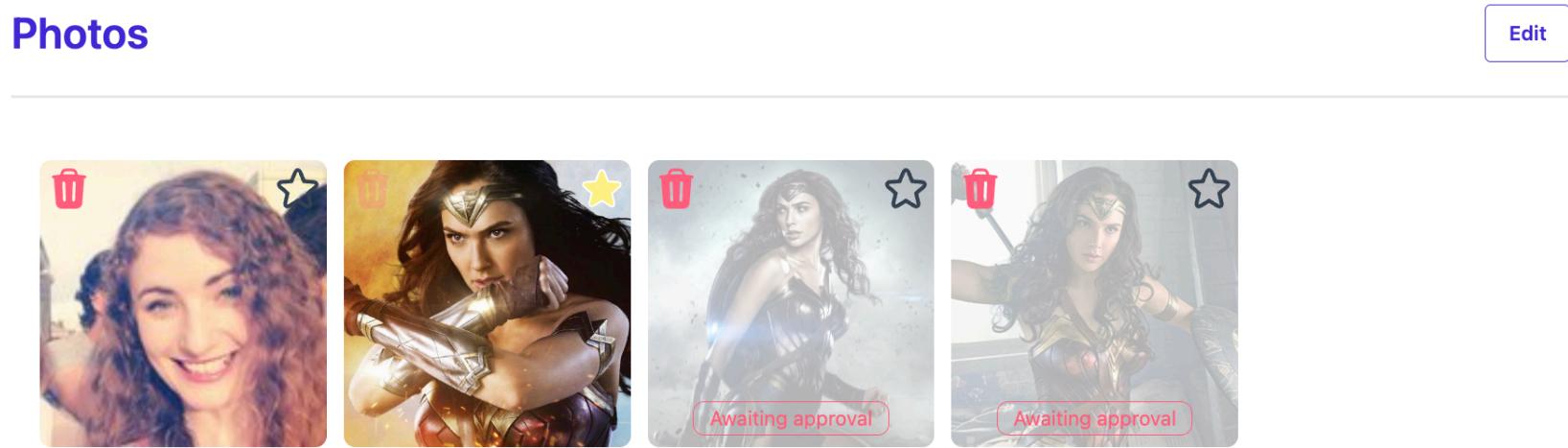
19. Add some style so the photos take up 150px height/width

20. 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.

21. Make sure that a user cannot select an unapproved photo as their main photo, but they can still delete unapproved photos.

22. Test it all in the browser:

1. Add a new photo for Lisa - should see something like this:



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

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

A screenshot of a web-based admin interface for a dating app. At the top, there's a navigation bar with icons for user profile, 'DATING APP', and menu items 'MATCHES', 'LISTS', 'MESSAGES', 'ADMIN' (which is highlighted in blue), and 'ERRORS'. Below the navigation, there are two tabs: 'Photo moderation' (which is selected, indicated by a blue underline) and 'User management'. Under 'Photo moderation', there are two photo thumbnails. The first is of Batman, and the second is of Wonder Woman. Each photo has a green 'Approve' button and a red 'Reject' button below it. The background of the page is white.

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

A screenshot of a user's photo editor interface. At the top, there's a header with the word 'Photos' in blue and an 'Edit' button in a blue box. Below the header, there are four photo thumbnails. The first three thumbnails each have a red trash can icon and a yellow star icon. The fourth thumbnail is of Wonder Woman and has a red trash can icon and a yellow star icon. A red rounded rectangle is drawn around the bottom right corner of this fourth thumbnail, containing the text 'Awaiting approval' in white. The background of the page is white.

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

A screenshot of a user's photo editor interface, likely for a different user named Todd. At the top, there's a header with the word 'Photos' in blue. Below the header, there are three photo thumbnails. The first two thumbnails each have a red trash can icon and a yellow star icon. The third thumbnail is of Wonder Woman and has a red trash can icon and a yellow star icon. A red rounded rectangle is drawn around the bottom right corner of this third thumbnail, containing the text 'Awaiting approval' in white. The background of the page is white.

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

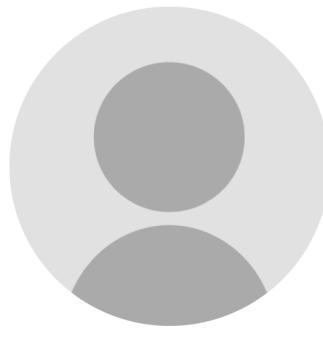
Photos

[Edit](#)


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

localhost:4200/members/138febfb4-6b81-45a2-a15f-9284c60fa029/photos

 DATING APP | MATCHES LISTS MESSAGES ERRORS  Incognito  Todd



dave, 18 
London, UK

Photos

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

 DATING APP | MATCHES LISTS MESSAGES ERRORS  Lisa

Select Filters  
Selected: Males, Females | Recently Active 
Items per page: 10  1 - 10 of 11 



dave, 18
London



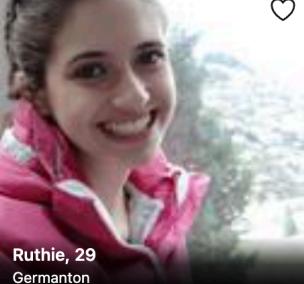
Todd, 35
Cliff



Bob, 40
London



Porter, 48
Welda



Ruthie, 29
Germanton