

```

7   unless params["filter"].nil?
8     #filter params which have the string "<filtertype>,<post/tagID>,<tag/uniname>"
9     @filter = params["filter"].split(",")
10    @filter_type = @filter[0]
11    @filter_id = @filter[1]
12    @filter_name = @filter[2]
13  else
14    @filter = nil
15  end

```

*Listing A controllers/account\_moderation\_feed.rb*

```

11  @user = User.new
12  @user.login(params)
13  @error = nil
14
15  if @user.exist? && @user.valid?
16    @logged_in_user = User.where(username: params.fetch("username", "")).first
17
18    session[:logged_in] = 1
19    session[:is_guest] = 0
20    session[:account_type] = @logged_in_user.account_type
21    session[:userID] = @logged_in_user.userID
22    session[:username] = @logged_in_user.username
23    session[:universityID] = @logged_in_user.universityID
24
25    redirect "/"
26  else
27    @error = "The username or password that you entered is incorrect, please try again"
28  end

```

*Listing B controllers/login.rb*

```

29  # Create university records if they don't exist
30  def create_universities
31    File.open("db/universities.txt") do |university_list|
32      university_list.each do |university|
33        DB[:universities].insert(university_name: university.chomp)
34      end
35    end
36  end

```

*Listing C db/db.rb*

```

3  def load(params)
4      if params.fetch("is_guest", "") == 1
5          self.is_guest = 1
6      else
7          self.is_guest = 0
8          self.userID = params.fetch("userID", "")
9      end
10
11     self.title = params.fetch("title", "").strip
12     self.message = params.fetch("message", "").strip
13     self.date_posted = Time.new.strftime("%Y-%m-%d %H:%M:%S").to_s
14
15     # If user is moderator or admin, post doesn't need to be moderated
16     if params.fetch("account_type").to_i == 2 || params.fetch("account_type").to_i == 3
17         self.is_moderated = 1
18     else
19         self.is_moderated = 0
20     end
21
22     self.image_link = params.fetch("image_link", "").strip
23
24     # If image link is empty, post doesn't have an image
25     if params.fetch("image_link", "").strip.empty?
26         self.is_image = 0
27     else
28         self.is_image = 1
29     end
30
31     self.universityID = params.fetch("universityID", "")
32 end

```

*Listing D models/post.rb*

```

26  def type_of_account
27      # Return name of account type
28      if account_type == 0
29          "Reporter"
30      elsif account_type == 1
31          "Viewer"
32      elsif account_type == 2
33          "Moderator"
34      elsif account_type == 3
35          "Administrator"
36      else
37          # If a wrong number is somehow entered, return nothing
38          ""
39      end
40  end

```

*Listing E models/user.rb*

```

50  <%=University filter doesn't appear on mod's post moderation feed%>
51  <% unless @page_title == "Moderate Posts" && @user[:account_type] == 2 %>
52  <optgroup label="By University">
53      <% University.each do |uni| %>
54          <option value="uni,<%= h uni.universityID %>,<%= h uni.university_name %>"><%= h uni.university_name %></option>
55      <% end %>
56  </optgroup>
57  <% end %>

```

*Listing F views/common/feed\_filter.erb*

```

 9      <% post_user = User[post.userID] %>
10      <% university = University[post.universityID] %>
11
12      <article class="feed_post">
13          <p><b>'<%= h post.title %>'</b></p>
14
15          <% if post.is_guest == 1 %>
16              <p><em>By guest user.</em></p>
17          <% else %>
18              <p><em>By <%= h post_user.username %></em></p>
19          <% end %>
20
21          <p><%= h post.message %></p>
22          <p><b><%= h university.university_name %>. Tags:</b></p>
23
24          <% unless PostTag.where(postID: post.postID).nil? %>
25              <% PostTag.where(postID: post.postID).each do |tag| %>
26                  <p><%= h Tag[tag.tagID].tag_name %></p>
27              <% end %>
28          <% else %>
29              <p> None </p>
30          <% end %>

```

*Listing G views/feed.erb*

```

 9      <form method="post" class="loginElement">
10          <label for="username"><p>Username:</p></label>
11          <input type="text" id="username" name="username" value="<%= @user.username %>">
12
13          <label for="password"><p>Password:</p></label>
14          <input type="password" id="password" name="password">
15
16          <% unless @error.nil? %>
17              <p style="color:red"><%= @error %></p>
18          <% end %>
19
20          <input class="button" type="submit" value="Submit" id="submitButton">
21      </form>

```

*Listing H views/login.erb*