Domain Model For WEBMB's Poppin

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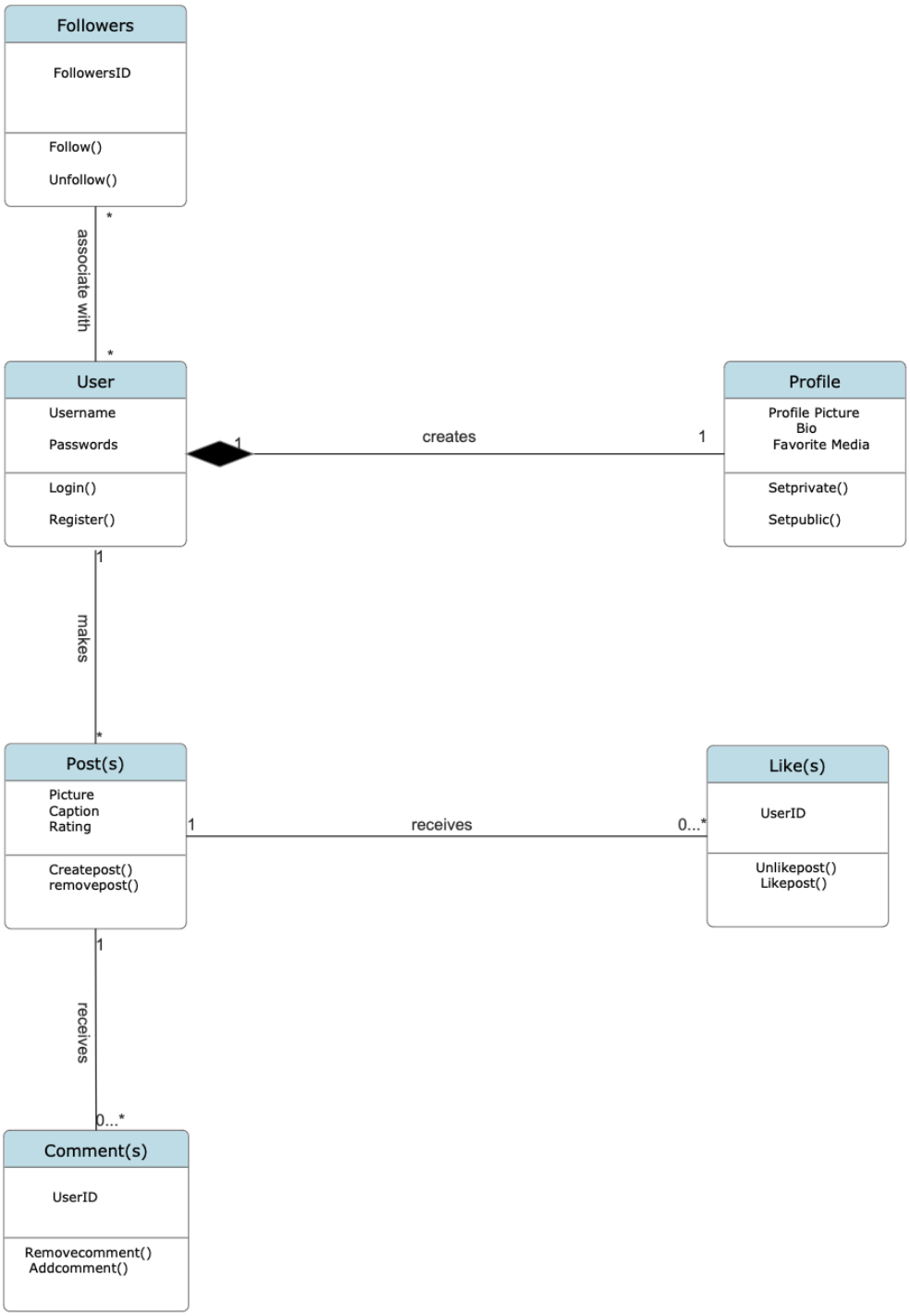
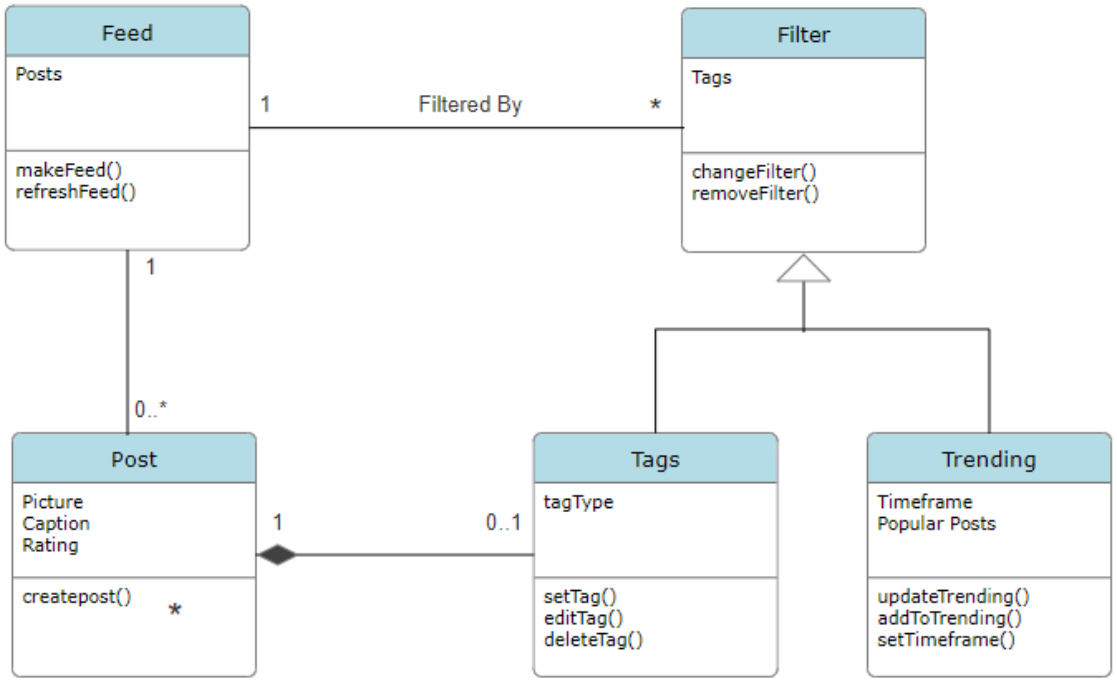
1. Post System



2. Feed System



3. Description:

- The post system aims to provide its users with the ability to automate the process of:
    - Creating Posts
    - Creating a Profile
    - Getting Followers
    - Liking Posts
    - Commenting on Posts
- Posts will have a picture, caption, and rating.
- Users need to provide a username and password for registration.
- A profile contains a profile picture, a bio, and favorite media pieces.
- Like(s) consists of a UserID.
- Comment(s) consists of a UserID.
- Profile comprises the User:
    - Indicating a one-to-one relationship as each user has precisely one profile. The profile cannot exist without the user.
- User and post have an association:
    - A single user can create multiple posts
- Each post can receive zero to multiple likes and comments.
- Followers associated with the user:

    - Multiple followers can follow multiple users.
    - Indicating a many-to-many relationship.

- The feed system aims to provide its users with the ability to automate the process of:
    - Creating a Filter from tags or trending
    - Filtering their Feed
    - Viewing their Feed
- Posts will have a picture, caption, rating, and can have a tag.
    - Tags will be made out of a TagType
    - A post can have zero to any number of tags, but a tag can only be associated with one post.
- A Feed is made of posts and can be filtered by a Filter.
    - A Feed can be filtered by any number of filters, but a filter can only be applied on one feed.
    - A Feed can have 0 to any number of posts, but a post can only be in one feed.
- Filters are drawn from two primary groups
    - Tags and Trending
- Tags are made of a Tag Type
- Trending is made of a Time Frame and Popular Posts
- In addition, the following information is needed to filter a feed
    - Trending - Time Frame
    - Tags - Tag types

In conclusion, both models are connected because the first model illustrates how the users create their profiles, create posts, gain followers, and interact with the posts through actions such as liking and commenting, whereas the second model goes further to show different interaction features with posts after creation.