

SocialMedia 2\src\socialmedia\Account.java

```
package socialmedia;

import java.util.ArrayList;
import java.util.List;

public class Account {
    int ID;
    String handle;
    String description;
    List<FeedDenizen> timeline;

    public Account(int x, String y, String z){
        this.ID = x;
        this.handle = y;
        this.description = z;
        this.timeline = new ArrayList<>();
    }

    public int getID() {
        return this.ID;
    }

    public String getHandle() {
        return this.handle;
    }

    public void setHandle(String str) {
        this.handle = str;
    }

    public String getDescription() {
        return this.description;
    }

    public List<FeedDenizen> getTimeline(){
        return this.timeline;
    }

    public int[] mostEndorsments(){
        int previous = 0;
        int previousID = 0;
        for (FeedDenizen i : this.timeline){
            if (i.getTotalEndorsments() - previous > 0){
                previous = i.getTotalEndorsments();
                previousID = i.getID();
            }
        }
        return new int[] {previous, previousID};
    }

    public FeedDenizen getPost(int id) throws PostIDNotRecognisedException{
        for (FeedDenizen i : this.timeline){
            if (id == i.getPostID()){
```

```

        return i;
    }
}
throw new PostIDNotRecognisedException();
}

public FeedDenizen getKnownPost(int id){
    for (FeedDenizen i : this.timeline){
        if (id == i.getPostID()){
            return i;
        }
    }
    return new Post(0, 0, "");
}

public void setDescription(String str) {
    this.description = str;
}

public int getNumberOf(String arg){
    int count = 0;
    for (FeedDenizen i : this.timeline){
        String type = i.getClass().getSimpleName();
        if (type.equals(arg)){
            count += 1;
        }
    }
    return count;
}

public List<Integer> delete(){
    List<Integer> orphans = new ArrayList<>();
    for (FeedDenizen i : this.timeline){
        orphans.addAll(1, i.getChildren());
        i.delete();
    }
    this.handle = "[DELETED USER]";
    this.description = "";
    this.timeline = new ArrayList<>();
    return orphans;
}

public Post post(String message){
    Post post = new Post(this.timeline.size(), this.ID, message);
    this.timeline.add(post);
    return post;
}

public Endorsement endorse(int id) throws NotActionablePostException,
PostIDNotRecognisedException{
    Endorsement endorsement = new Endorsement(this.timeline.size(), this.ID, id);
    this.timeline.add(endorsement);
    return endorsement;
}

public Comment comment(String message, int postID){
    Comment comment = new Comment(this.timeline.size(), this.ID, postID, message);
    this.timeline.add(comment);
    return comment;
}

```

```
}

public List<Integer> deletePost(int id) throws PostIDNotRecognisedException{
    FeedDenizen post = getPost(id);
    List<Integer> orphans = post.getChildren();
    post.delete();
    return orphans;
}

}
```