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Questions

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encapsulating preconditions in ADTs

1/1 point (graded)

Consider this method:

```
/**
 * Find tweets written by a particular user.
 *
 * @param tweets a list of tweets with distinct timestamps, not modified by this method.
 * @param username Twitter username (a nonempty sequence of letters, digits, and underscore)
 * @return all and only the tweets in the list whose author is username,
 *         in the same order as in the input list.
 */
public static List<Tweet> writtenBy(List<Tweet> tweets, String username) { ... }
```

Which ADTs would you create to eliminate the preconditions of this method? Check all that apply.

- [ ] TweetsAndUsername
- [x] TweetList
- [x] Username
- [ ] UsernameCharacter

✔

Explanation

`TweetList` would be able to represent the requirement that the tweets have distinct timestamps, and `Username` would be able to represent the constraint on valid usernames.

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