

# Twitter Light

Implement a telnet-based application, Twitter light, satisfying following scenarios:

## Scenarios

### Postings

User can publish messages to a personal timeline

Examples:

- > Alice -> Amsterdam is so cool!
- > Bob -> What a wonderful weather!
- > Bob -> Though a little bit too hot :)

### Readings

User can view other user's timeline

Examples:

- > Alice
- > Amsterdam is so cool! (2 minutes ago)
- > Bob
- > Though a little bit too hot :) (10 seconds ago)
- > What a wonderful weather! (1 minute ago)

### Following

User can subscribe to other user's timeline and view the aggregated timeline with all messages of subscribed users

Examples:

- > Oscar -> Hey folks, what do you think about Go language?
- > Oscar follows Alice
- > Oscar wall
- > Oscar - Hey folks, what do you think about Go language? (2 seconds ago)
- > Amsterdam is so cool! (10 minutes ago)
- > Oscar follows Bob
- > Oscar wall
- > Oscar - Hey folks, what do you think about Go language? (15 seconds ago)
- > Bob - Though a little bit too hot :) (9 minutes ago)
- > Bob - What a wonderful weather! (9 minutes ago)
- > Alice - Amsterdam is so cool! (10 minutes ago)

## Requirements

- Application must use telnet server for input and output
- Application must run as a docker image (no need to publish image though)
- Application must be developed using plain NodeJs or TypeScript (no third party libraries are allowed, except for testing purposes)
- User may submit commands to the application:  
**Note:** “posting”, “reading”, “following” and “wall” are not part of the command. All commands start with the name of a user
  - posting: <user> -> <message>
  - reading: <user>
  - following: <user> follows <another user>
  - wall: <user> wall
- Implement requirements focusing on writing the best code you can produce
- Use public git repository (e.g. GitHub) to commit your solution and provide us with the URL to the repository within the agreed time