Prototype: *Client Application for Managing Comments*

Question 1 – Can you prototype a minimal front-end app following the visual design below?
Question 2 – Can you add the requirements 1 and 2
Question 3 – You don't need to implement requirements 3 to 6, but can you briefly describe any thoughts about implementing them?

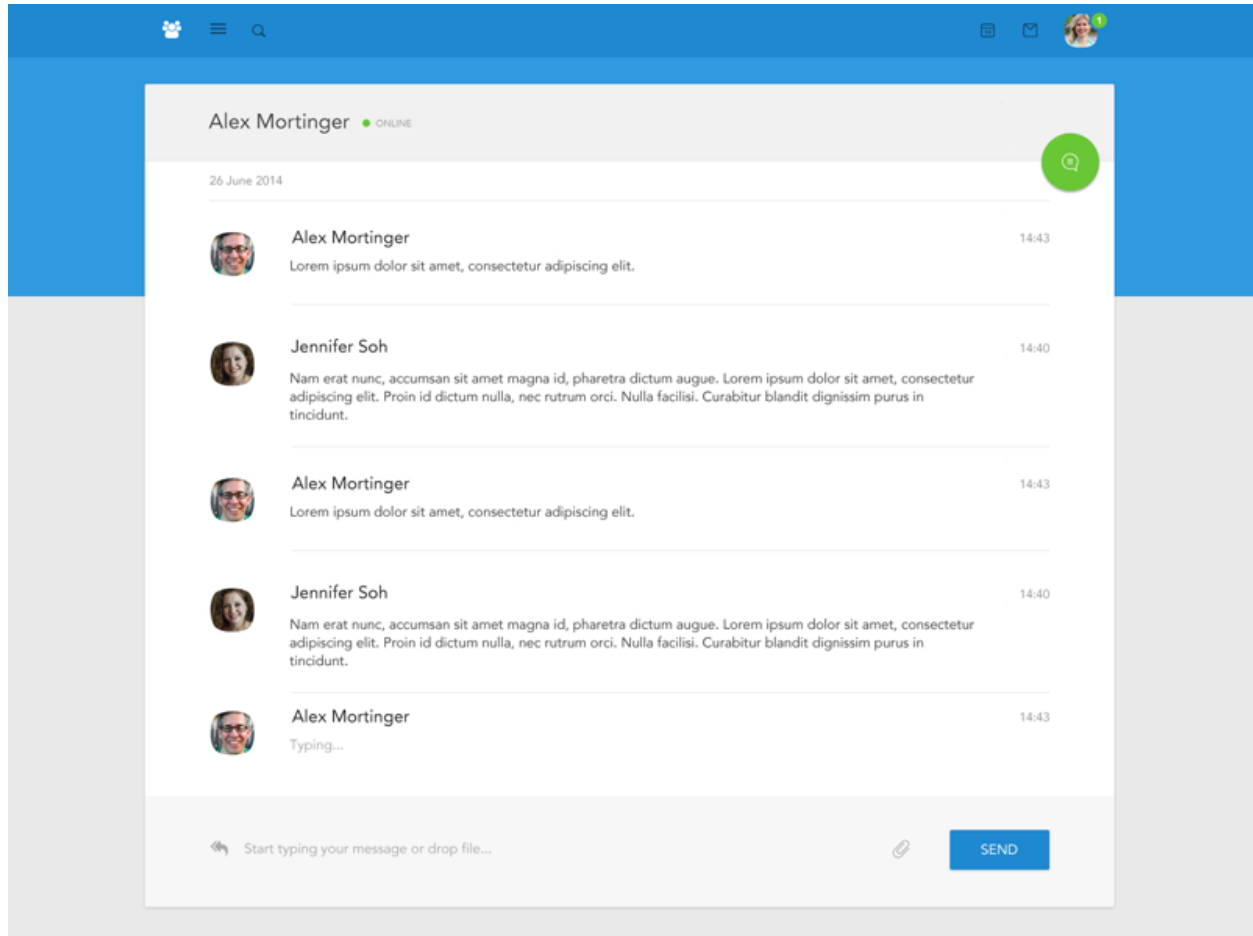*Note: you can have just dummy/hardcoded data*

Functional requirements

1. The user can add new comments
2. The user can edit their own comments within 5 minutes after creation. After 5 minutes, the user is not allowed to do any changes because the comment gets locked
3. (Optional) The user can add comment to an existing comment i.e. the app allows nested comments up to the 3rd level
4. (Optional) The users can add/remove "likes" to a comment
5. (Optional) The user can filter all comments containing a word
6. (Optional) The app shows a line chart representing the number of comments through time

Non-functional requirements

Question 4 – The comments functionality is a nice feature to be part of a 'bigger product'. Can you describe how you would approach this reusability problem?

Visual Design

Testing

The code should be accompanied by unit tests that would be suitable for testing a production-quality system.

Question 5: Can you give an example of a functional test (via selenium or using any equivalent method treating the system as a black box), for any or some of the following features:

- Creating a comment.
- Add/remove 'likes' on a comment.
- Failure to edit a comment after the specified time.
- The filtering functionality.

Question 6: How would you test the line chart drawing functionality (requirement 6)?