

# Safe Quote Commenting

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Web 2.0





## Problem

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- Person X contributes on Person Y blog post.
- X changes contributions overtime which causes the relation/ references to other contributions to break correlation.
- How can we prevent this?



## Solution

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- Restrict User Interface to adhere to a specific path.
- Add server side validation so as to prevent UI bypass
- Add Authorization roles in the system



## Solution

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### Creating A Middleware

Used to communicate between the UI and the Backend in terms of data transferred back and forth.

### Server side restrictions

Enable practices to limit the API on a fixed JSON input and handle all related parsing and storing it in database



## Solution

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### Digital Signature

Used to verify the identity of the user with the original blog post on the backend

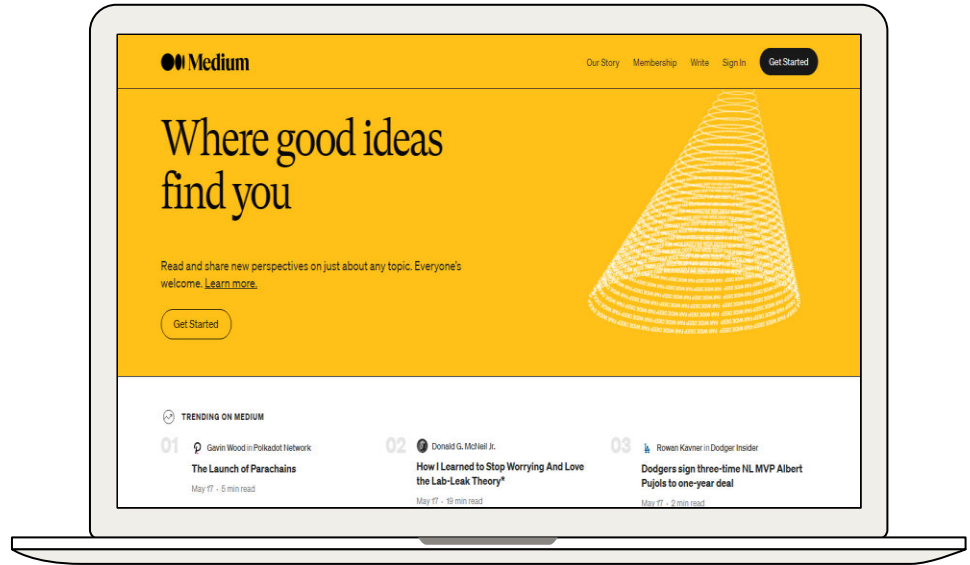
### Adding roles

After authorization, used to determine whether a blog post may be added or removed from the website



# Technologies


- Backend
  - Node.js
- Frontend
  - React.js
- Database
  - Mongo Db



 SafeQuoteCommenting-1  
Software project

 Roadmap

 Backlog

 Board

 Code

 Project pages

 Add item

 Project settings

Projects / SafeQuoteCommenting-1

## S1 Sprint 1

   9 days remaining

Complete sprint



Epic ▾

GROUP BY None ▾

### TO DO 3 ISSUES

Setting Up Database

BACKEND

 S1-4



As a user, I would like to initiate  
APIs created on server

BACKEND

 S1-5



Connect database with javascript  
middleware

BACKEND

 S1-7



### IN PROGRESS 2 ISSUES

Research on Technologies

DOCUMENTATION

 S1-6



Setting up Reactjs Framework

FRONTEND

 S1-8



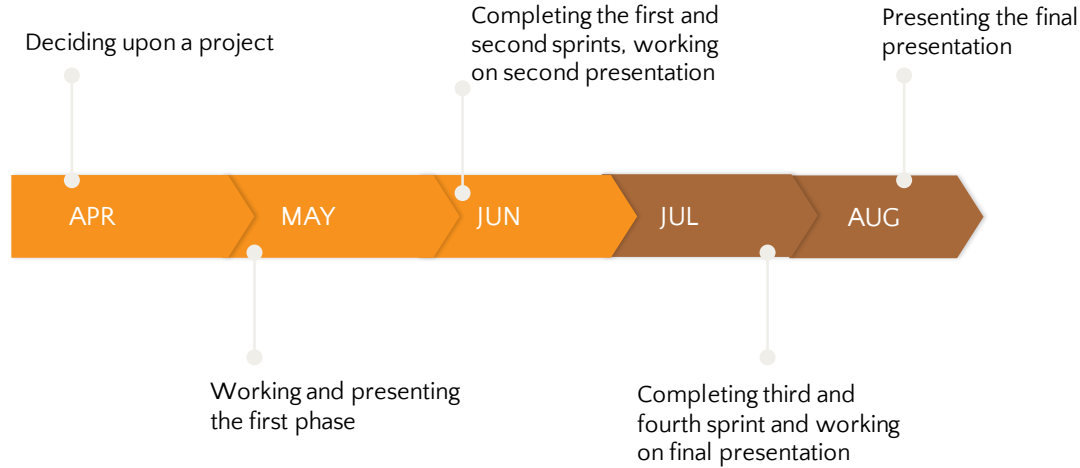
### DONE ✓

You're in a team-managed project

[Learn more](#)



# Timeline







## References

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- <https://stackoverflow.com/questions/42075246/digital-signature-with-node-js-crypto>



# Thanks!

*Any* **questions** ?

You can email our communications manager

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