



# Cutshort backend assignment

## Objective of the assignment

Build a social media app with todo lists.

## The deliverables

For reference, refer to <https://jsonplaceholder.typicode.com/> similar APIs

1. User can sign up and login using JWT token - /user , /login
2. User can create multiple Todos and manage them (Delete, Edit, Mark as Complete)  
- /todo, /todo/:id
3. User can create posts
  - a. Posts will accept only text - /post/:id, /posts
  - b. Posts can have one or multiple comments
4. User can query other users and view their details
  - a. They can comment on other users' posts
  - b. They can ONLY view other users' todos
5. Add test cases using the library of your choice.

### Note -

1. Code hosted on github or bitbucket. You must use **NodeJS** to make this project.
2. Use **MongoDB** or any non relational database of your choice.
3. Typescript is a plus.
4. Please send the links in the chat on Cutshort itself.

# Criteria the assignment will be evaluated on

1. Whether your code is extensible / scalable
2. How readable your code is (code quality)
3. How you organize your codebase
4. Can you think of edge cases - ( rate limiting, refresh tokens, caching, etc )
5. Have you done anything to make sure that the APIs are secure?
6. Bonus points -
  - a. Try to add RBACs  
(<https://auth0.com/docs/manage-users/access-control/rbac>)
    - i. user with an admin role should be able to edit all other users
    - ii. A regular user can edit their own todos/posts but can only comment and view other todos or posts

## Things to keep in mind

1. **Host your code on any cloud of your choice ( replit, aws, heroku, ngrok, etc.) and also send github link.**
2. All listing APIs should support pagination and querying.
3. You can take up to 3 days to complete the assignment. If you need more time, please let us know in the chat itself.
4. If you have any questions or doubts around the assignment, you can always ask on the conversation thread on Cushort.
5. There is no need for any Frontend implementations. Only APIs are fine.