Backend Assessment

# Feature 1: getFortune

GET /api/fortune

* Allows user to get a random fortune
* “Failure is the chance to do better next time.”
* “Good to begin well, better to end well”
* “One of the first things you should look for in a problem is its positive side”
* “Carve your name on your heart and not on marble.”
* “For hate is never conquered by hate. Hate is conquered by love.”

## Steps taken

1. Created fortune button using HTML
   1. Checked functionality using console.log
2. Created .get method on backend to handle fortunes
   1. ENDPOINT: /api/fortune
   2. Has array of fortunes
   3. Randomly selects fortune
   4. RESPONSE: Returns fortune to front end

## Troubleshooting

1. Did not update returned 404 error
   1. Used nodemon server/index.js instead of node server/index.js to automatically update changes to server

# Feature 2: shareQuote

POST /api/quote

* Allows user to share a quote using input

## Steps taken

1. Created form in html
   1. Form allows for text input from user
   2. Checked functionality using alert
      1. When submit button is pressed user is alerted with their input
2. Created .post method on backend to handle user input
   1. ENDPOINT: /api/quote
   2. Starts with empty array of quotes
   3. Takes user input and pushes to array
   4. RESPONSE: Returns array of quotes
3. Created .post request frontend
   1. ENDPOINT: /api/quote
   2. Gets value from user input
   3. Takes user input and creates JSON object to be used in request
   4. Alerts user with the list of quotes so far

## Troubleshooting

### Back End

1. POST http://localhost:4000/api/quote 404 (Not Found)
   1. Endpoint had syntax errors (missing / 🡪 (/)api/quote)
2. Response returns as Object Object instead of showing actual data
   1. Used JSON.strinigify(response.data)

### Front End

1. POST returning user input as undefined
   1. Did not provide argument as JSON in post method

axios.post("http://localhost:4000/api/quote", {testQuote: userInput})

# Making code modular & organized

controller.js | db.json | index.js

## Steps taken

1. Created controller file
   1. Backend methods
2. Created db.JSON file
   1. Contains 3 different arrays that the user will be accessing
   2. Quotes is an empty array the user will be accessing