67. Updating the Displayed Points

#urql #graphql #exchange #cache #frontend

- One way is to return the new value from vote() instead of a boolean value, and display it on the frontend

- Here we will use a method that involves reading and updating fragments, in the cacheExchange

Implement the UpdateResolver in cacheExchange in urqlClient

- We have the readFragment() and writeFragment() function from urql
  - formidable.com/open-source/urql/docs/api/graphcache/#readfragment
  - formidable.com/open-source/urql/docs/api/graphcache/#writefragment

- We don't care about pagination or anything here. No matter where the fragment is located, it will be updated in cache. We're searching for them by postId.

utils/createUrqlClient

```
updates: {
  Mutation: {
    vote: (result, args, cache, info) => {
      const { postId, value } = args as VoteMutationVariables;

      const data = cache.readFragment(
        gql`
          fragment _ on Post {
            id
            points
          }
        `,
        { id: postId } as any
      );
      console.log("data: ", data);
      if (data) {
        const newPoints = (data.points as number) + value;

        cache.writeFragment(
          gql`
            fragment __ on Post {
              points
            }
```

```
      `,
      { id: postId, points: newPoints } as any
    );
  }
},
```