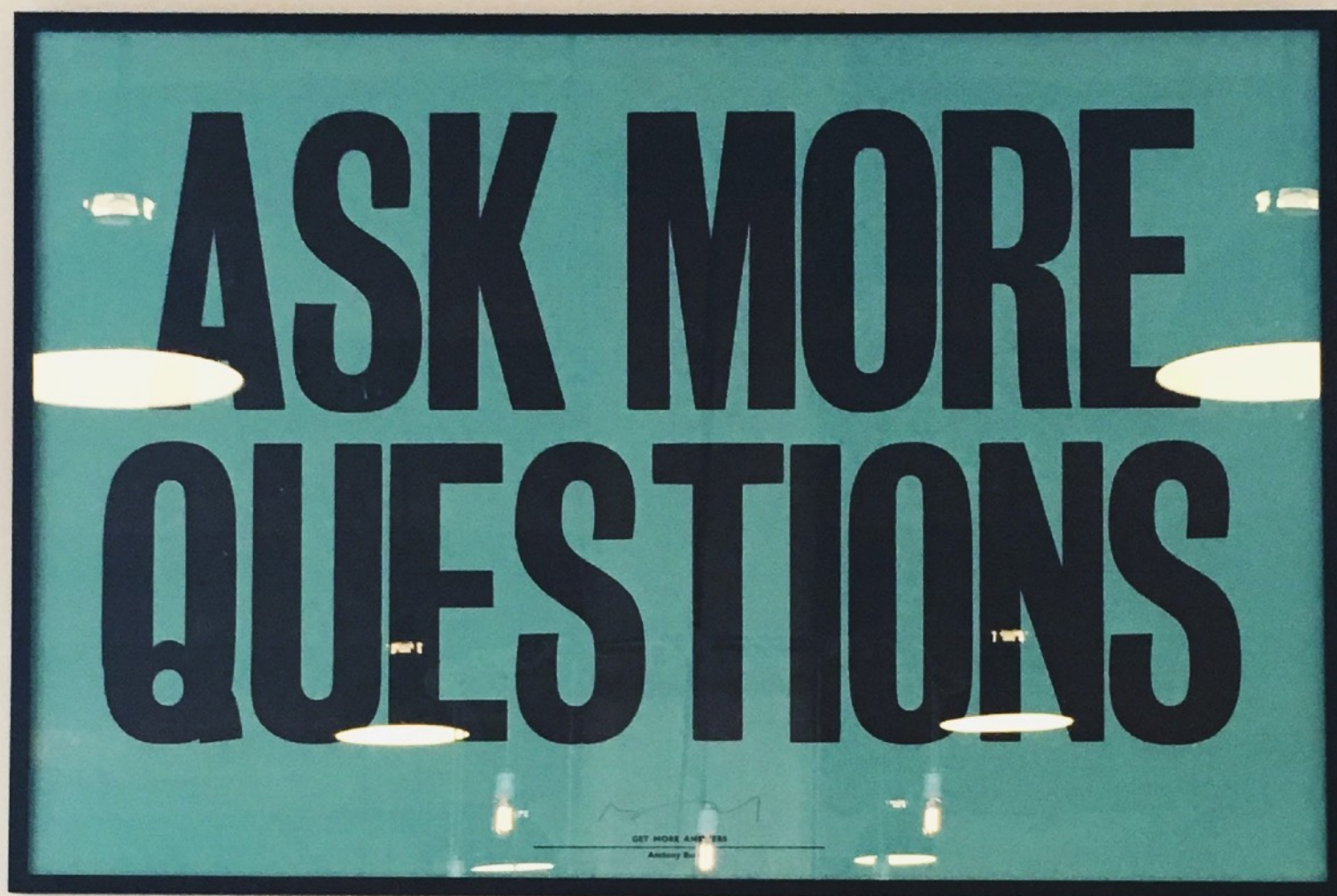


React Course

Session 4

Radoslav Stankov







Schedule

1. React basics (with TypeScript)
2. React advanced patterns
3. Forms
4. Redux basics
- 5. Exercise**
6. Advanced Redux / Unit testing
7. Advanced Techniques
8. GraphQL / Apollo
9. Q&A



Exercise

Pizzas list

vote button

name

+

price

vote button

name

-

price

vote button

name

+

price

vote button

name

-

price

Cart [items] / [total price]

name

price

-

name

price

-

Shopping Cart

Pizzas

	Count	Price	
Pizza 1	<input type="text" value="2"/>	\$20	<input type="button" value="remove"/>
Pizza 2	<input type="text" value="2"/>	\$30	<input type="button" value="remove"/>
Pizza 3	<input type="text" value="2"/>	\$40	<input type="button" value="remove"/>
Pizza 4	<input type="text" value="2"/>	\$50	<input type="button" value="remove"/>

Total: \$140

Contact

Name*

Phone*

E-mail*

Address*

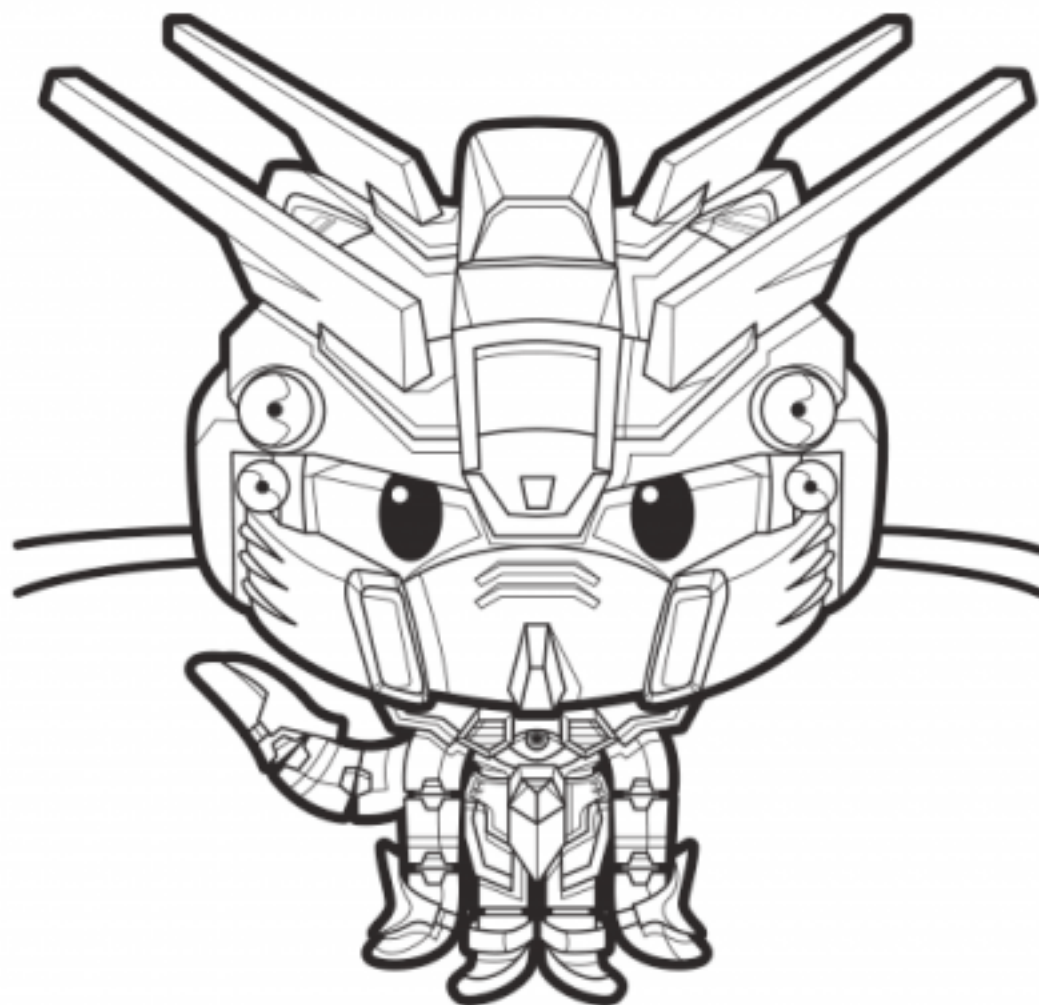
Submit



Talk Is Cheap
Show Me the Code

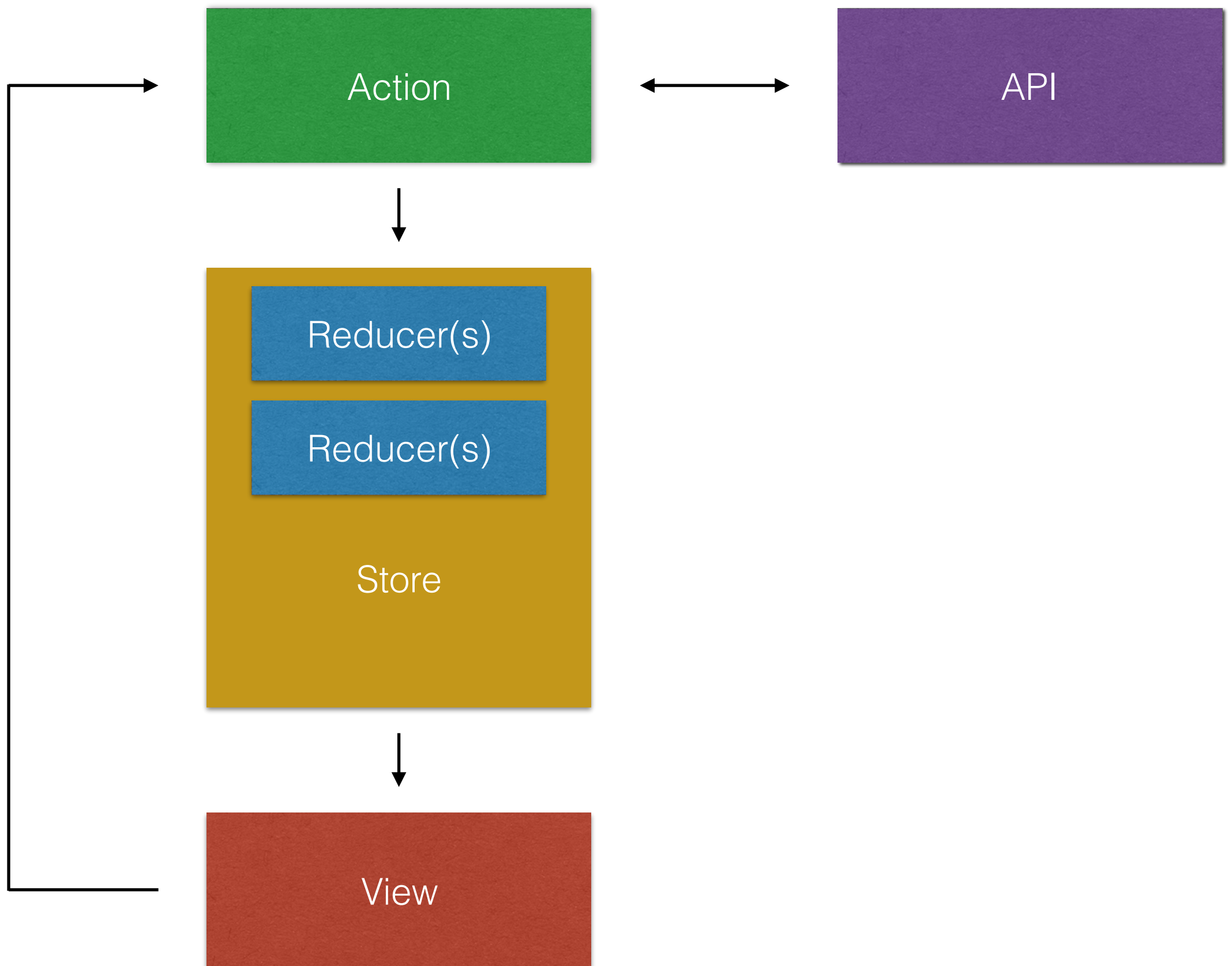
O RLY?

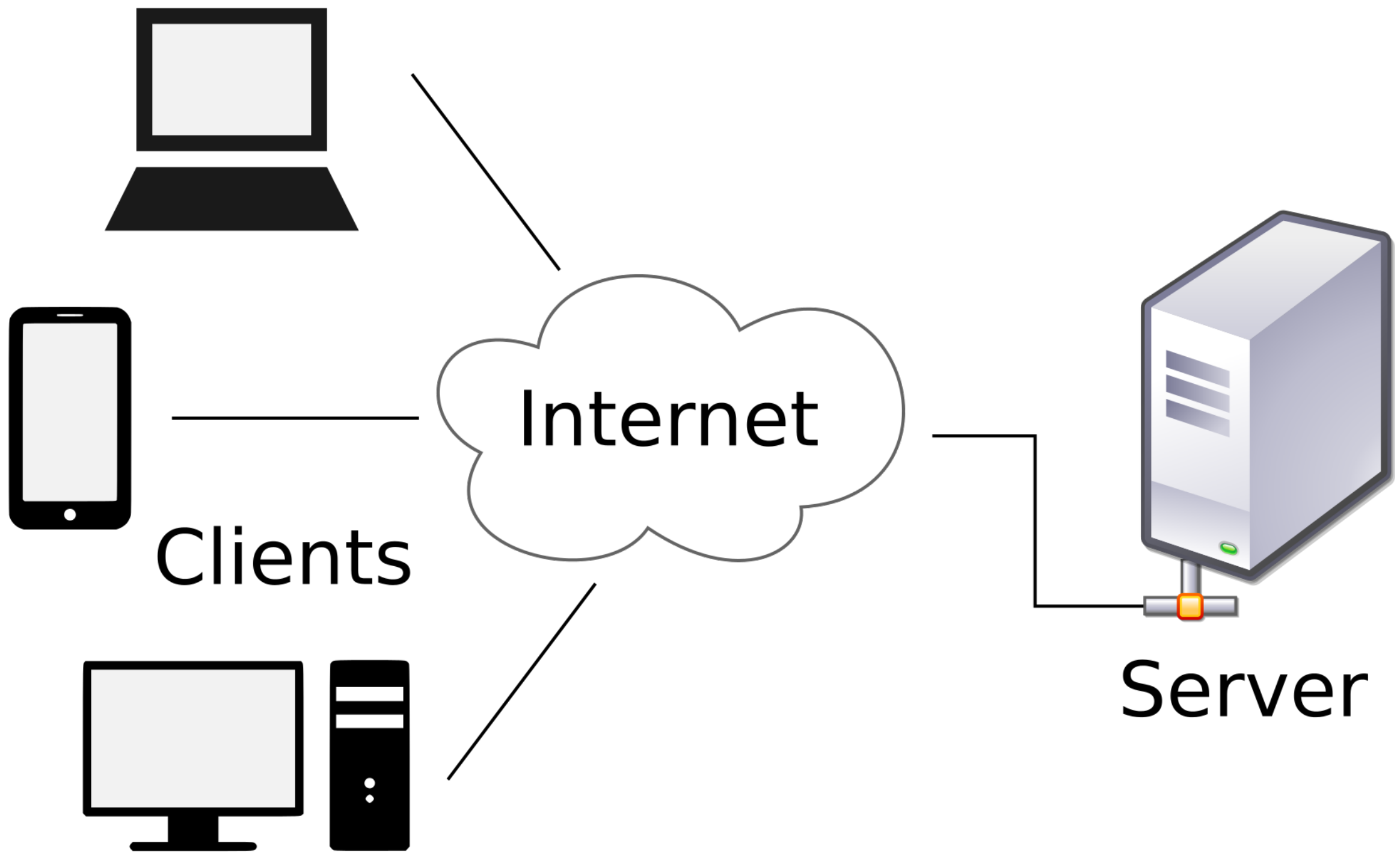
Radoslav Stankov



<https://github.com/RStankov/react-course-mentor-mate>

Redux Thunk





ASYNC



ALL THE THINGS!

```
class Filters extends React.Component {
  filterHandler(filterName) {
    return async () => {
      this.props.dispatch(changeFilter(filterName));

      const todos = await this.props.api.loadTodos({
        filter: filter
      });

      this.props.dispatch(setTodos(todos));
    };
  }
}
```

```
render() {
  return (
    <div>
      {Object.keys(FILTERS).map((filter) => (
        <button key={filter} onClick={this.filterHa
          {filter}
        </button>
      )}
    </div>
  );
}
```






redux-thunk

<https://github.com/gaearon/redux-thunk>

redux-thunk

```
function action() {  
  return {  
    type: ACTION  
  };  
}
```

redux-thunk

```
function action() {  
  return async (dispatch, getState) => {  
    // do ... async stuff  
    dispatch({ type: ACTION_1 });  
  
    // do ... async stuff  
    dispatch({ type: ACTION_2 });  
  
    // ...so on  
  };  
}
```

```
import { createStore, applyMiddleware } from 'redux'
import thunk from 'redux-thunk';

import reducer from './reducers';
import apiClient from './utils/apiClient';

const api = apiClient();
const store = createStore(
  rootReducer,
  applyMiddleware(thunk.withExtraArgument(api));
```



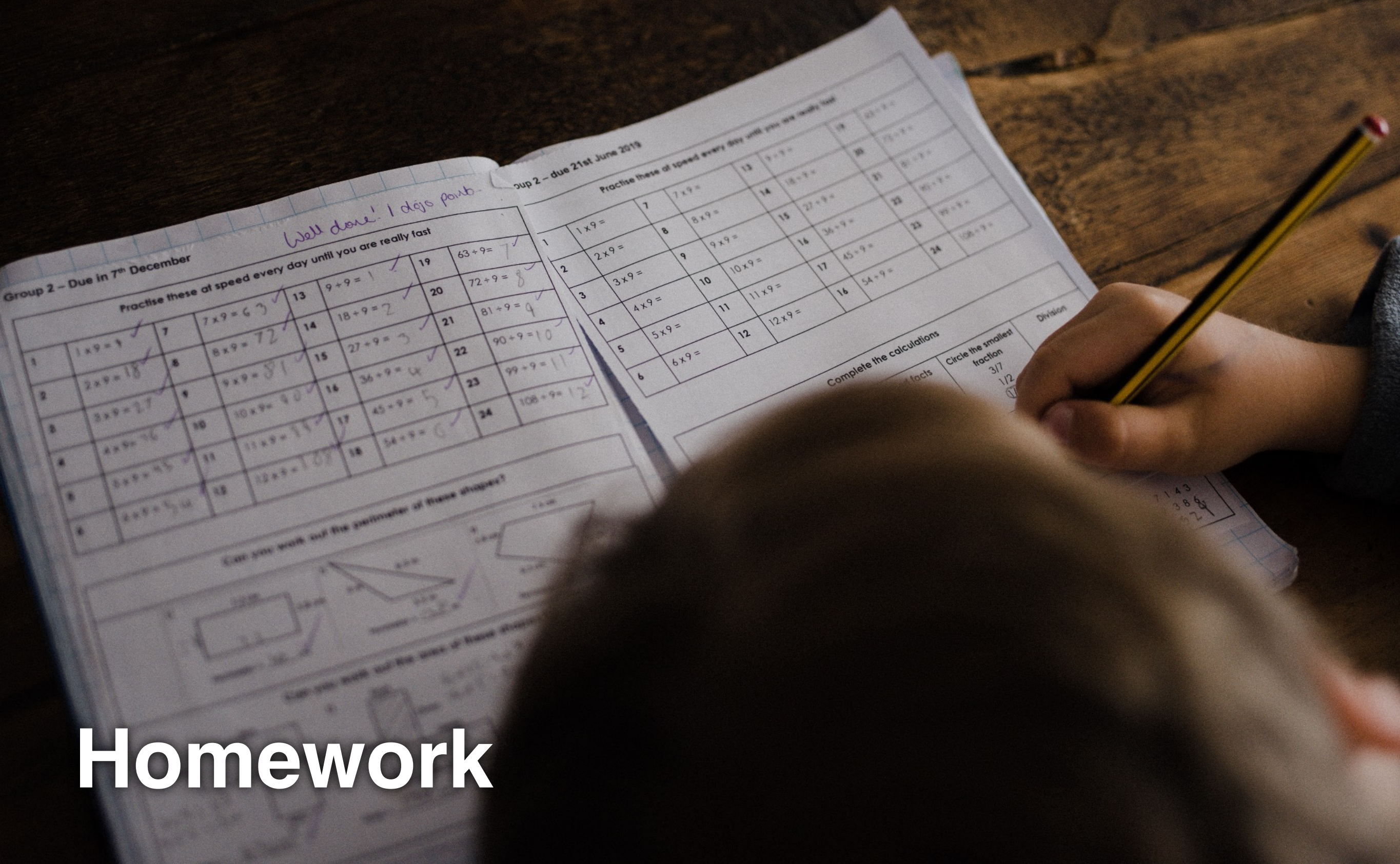
```
function changeFilter(filterName) {  
  return async function(dispatch, getState, api) {  
    if (getState().filter == filter) {  
      return;  
    }  
  
    dispatch({  
      type: 'TODO/LOAD',  
      filter: filter  
    });  
  
    const todos = await api.loadTodos({  
      filter: filter  
    });  
  
    dispatch({ type: 'TODO/LOADED', todos: todos });  
  };  
}
```

```
class Filters extends React.Component {
  filterHandler(filterName) {
    return () => {
      this.props.dispatch(changeFilter(filterName));
    };
  }

  render() {
    return (
      <div>
        {Object.keys(FILTERS).map((filter) => (
          <button key={filter} onClick={this.filterHandler}
            {filter}
          </button>
        ))}
      </div>
    );
  }
}
```



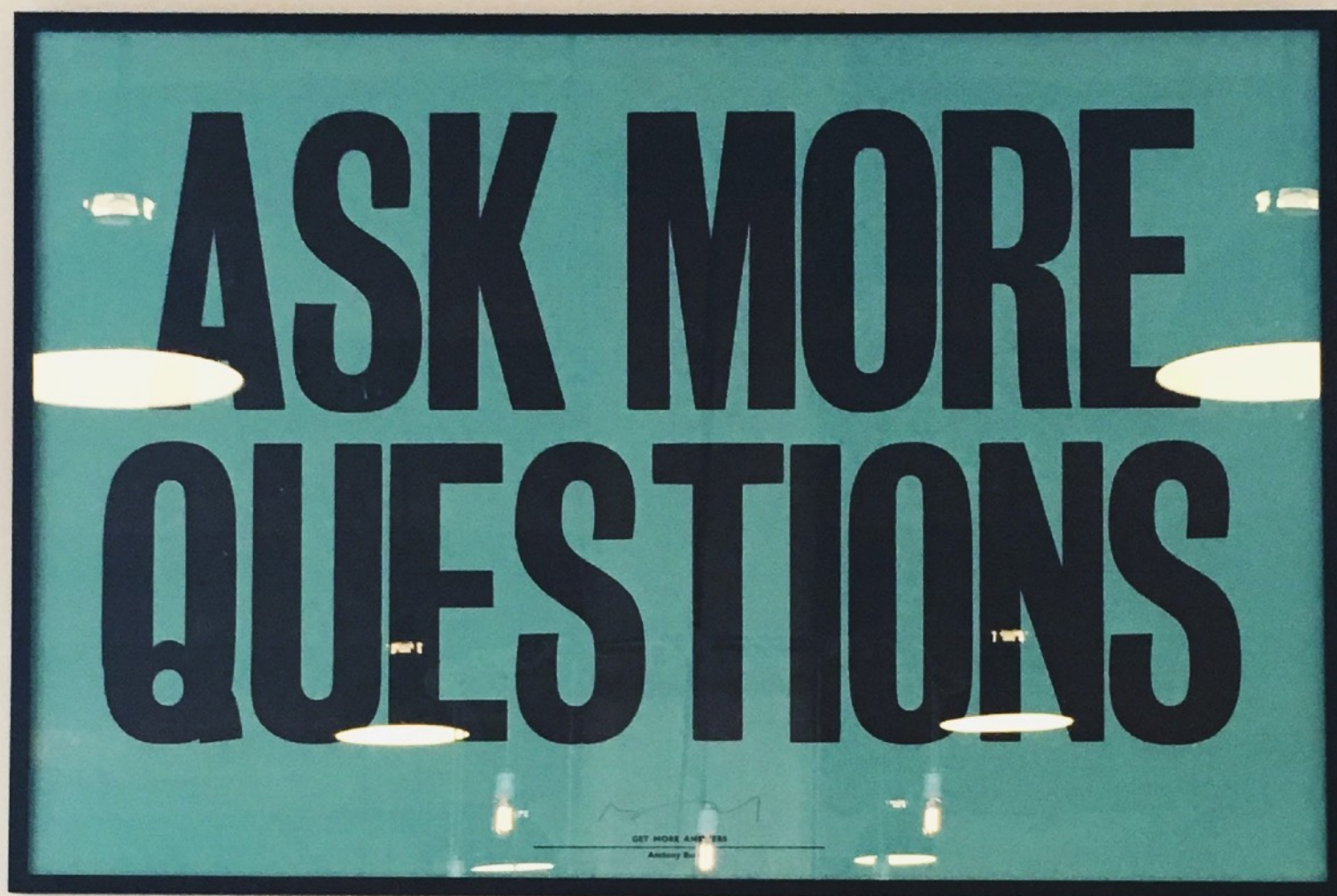
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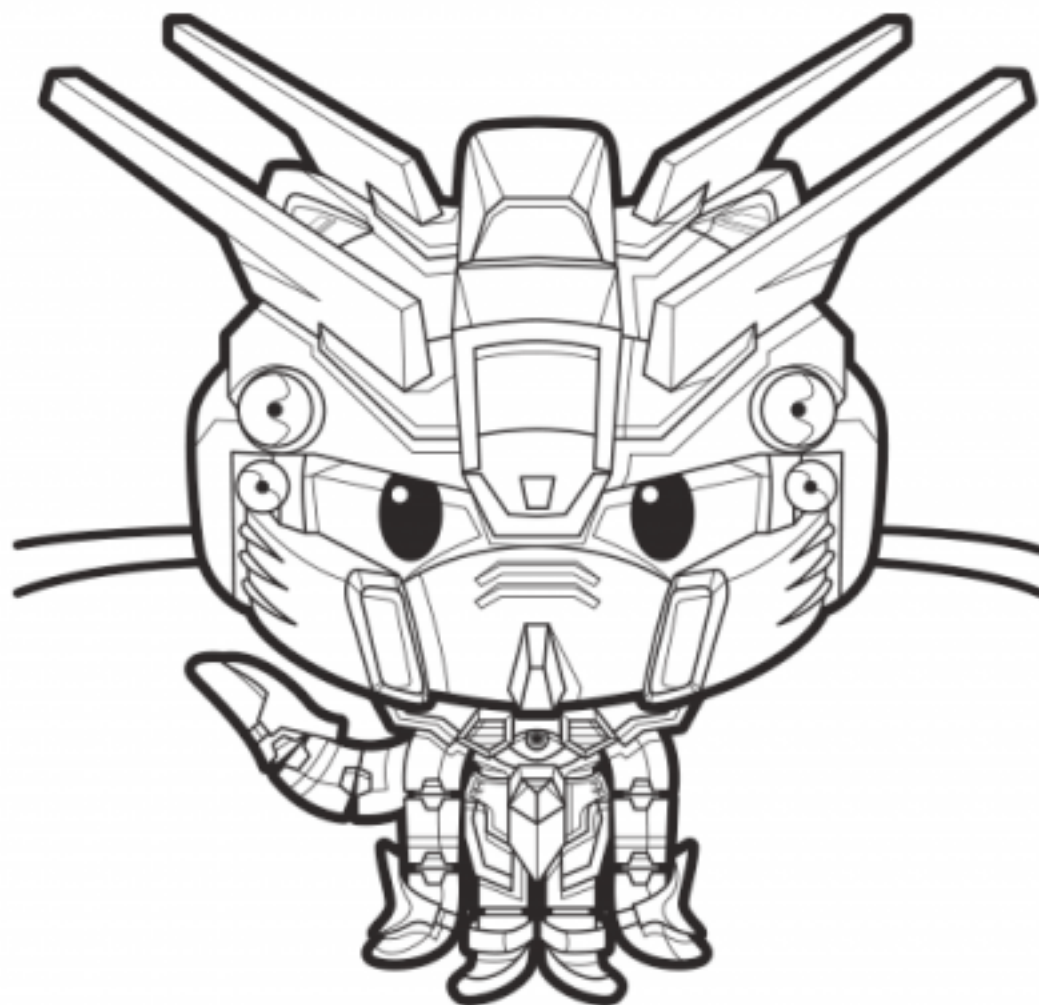


Homework

Homework #5

- Catchup on previous homeworks





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