

REACT JS

I used JSX to load the classes in react js.

Looking into the index.html, we can deduce the following.

The entry point of the application. Its load the first screen (10 MINUS)

```
//The first DOM render. This function starts the app
// Screen 1 means the home page
var screens = ReactDOM.render(
  <Screens screen="1" />
  ,
  document.getElementById('root')
);
```

SCREEN REGULATOR (SWITCH) <Not a page, more like a route> (3 HOURS)

It's the class that determine which screen to show.

```
//SWITCH BETWEEN SCREENS/PAGES
class Screens extends React.Component{
  constructor(props) {
    super(props);
    this.state = {screen: this.props.screen, answers: props.answers ||
[]};
  }
  .....
}
```

SCREEN 1 (HOMEPAGE) (3 hours)

```
// Class that renders/load the homepage
class HomePage extends React.Component{
  constructor(props) {
    super(props);
  }
  .....
}
```

SCREEN 2 (QUESTION PAGE) <10 hours>

This is the class that display both questions.

`this.phase` is in charge of determining whether the Question to display is for **My View of Me** or **Organizational Colonoscopy**.

```
//Display Questions Page
class Questions extends React.Component{
  constructor(props){
    super(props);
    if(!props.answers[40]){
      props.answers[40] = 1;
    }
    //get the answers from one the calling class
    this.state = {answers: props.answers, is_clicked: false};
    this.phase = this.state.answers[40] === 1?1:2;
  }
  .....
}
```

Functions in this class (Screen 2)

`Handleclick` save the answer clicked for a particular question.

`ComputeQuestionIndex`: Function to determine how to save the answer base the phase type

```
//Handle the button click event
handleClick(question_id, myanswer, phase){
  var all_ans = this.state.answers;
  all_ans[this.computeQuestionIndex(question_id, phase)] = myanswer;
  this.setState({answers: all_ans})
}

//Compute the question index using question phase number
computeQuestionIndex(question_id,phase){
  return phase === 1?question_id:question_id+20;
}
```

SCREEN 3 (ANSWER PAGE) <7 hours>

Show answers page for both questions

```
//ANSWER PAGE: Show answer page
class Answer extends React.Component{
  constructor(props){
    super(props);
    this.phase = props.answers[40];
    this.answers = props.answers;
  }
  .....
}
```

SCREEN 4 (FINAL ANSWER PAGE) <5 hours>

This is the class that compute and load the final question.

```
//ANSWER PAGE: Show answer
class AnswerAll extends React.Component{
  constructor(props){
    super(props);
    this.answers = props.answers || [];
    this.answer1 = 0;
    this.answer2 = 0;
    this.calculateScore();
  }
  .....
}
```

PLEASE CHECK THE HTML CODE FOR MORE DETAILS ON SOME OF THE FUNCTIONS INSIDE THE CLASSES