```javascript
/*jshint esversion: 6 */

const question = document.getElementById("intermediateqs");
const options = Array.from(document.getElementsByClassName("optionsil"));
const questionTracker = document.getElementById('trackqs');
const pointsTracker = document.getElementById('points');

const directoryQuestionsMax = 5;
const individualPoints = 15;
const penaltyPoints = 5;

let liveQuestion = {};
let monitoringAnswers = false; //false value used so users can not pick answer before page
let tally = 0;
let questionilCounter = 0;
let directoryQuestions = [];
let fetchNextQuestion =  {};
let startQuiz = {};
let pointsIncrease = {};
let pointsDecrease = {};

let listOfQuestions = [
    {
        question:"Question: 'Mo ti ra  _____  '",//I have bought an orange.
        option1:"Osan",
        option2:"Maami",
        option3:"Oja",
        option4:"Aburo",
        answer: 1
    },
    {
        question:"Question: 'Mo fe lo  _____  '", //I want to sleep.
        option1:"Sun",
        option2:"Ejo",
        option3:"Bawo ni",
        option4:"Ra Ra",
        answer: 1
    },
    {
        question:"Question: 'Se o ti  _____  '",//Have you eaten?
        option1:"Awo",
        option2:"Tabili",
        option3:"Oja",
        option4:"Jeun",
        answer: 4
    },
    {
        question:"Question: '  _____  ni mi'",//I am a boy.
        option1:"Aja",
        option2:"Okunrin",
        option3:"Oko ayokele",
        option4:"Igi",
        answer: 2
    },
    {
        question:"Question: 'Mefa, meje, mejo, mesan ati  _____  '",//six, seven, eight,
        option1:"Aadota",
        option2:"Meji",
        option3:"Mewa",
        option4:"Baami",
        answer: 3
    }//bonus question
];

startQuiz = () => {
    questionilCounter = 0;
    tally = 0;
    directoryQuestions = [...listOfQuestions];
```

```
69          console.log(directoryQuestions);
70          fetchNextQuestion();
71      };
72
73      fetchNextQuestion = () => {
74          if (directoryQuestions.length === 0 || questionilCounter > directoryQuestionsMax) {
75              localStorage.setItem("totalPoints", tally);//allows points to appear on the respec
76              window.location.assign("https://solacoder005.github.io/ba-mi-soro/quiz-end.html");
77          }
78
79          questionilCounter++;
80          questionTracker.innerHTML = questionilCounter + "/" + directoryQuestionsMax;//question
81          const questionIndex = Math.floor(Math.random() * directoryQuestions.length);//this all
82          liveQuestion = directoryQuestions[questionIndex];
83          question.innerHTML = liveQuestion.question;
84
85          options.forEach( option => {
86              const number = option.dataset.number;
87              option.innerHTML = liveQuestion['option' + number];
88          });
89
90          directoryQuestions.splice(questionIndex, 1);//removes the question that is used
91          monitoringAnswers = true;//corrolates with initial variable value (above)
92      };
93
94      options.forEach(option => {
95          option.addEventListener('click', e => {
96          if(!monitoringAnswers) return;
97
98          monitoringAnswers = false; // this tracks which answer is clicked in the console
99          const selectedOption = e.target;
100         const selectedAnswer = selectedOption.dataset.number;
101         const classToApply =
102             selectedAnswer == liveQuestion.answer ? "right" : "wrong"; //using == rather than
103             if (classToApply === "right") {
104                 pointsIncrease(individualPoints);
105             } else {
106                 pointsDecrease(penaltyPoints);
107             }
108
109         selectedOption.parentElement.classList.add(classToApply); //classList.add is shorthand
110
111         setTimeout(() => {
112             selectedOption.parentElement.classList.remove(classToApply);
113             fetchNextQuestion();
114         }, 500);
115         });
116     });
117
118     pointsIncrease = num => {
119         tally += num;
120         pointsTracker.innerHTML = tally;
121     };
122
123     pointsDecrease = num => {
124         tally -= num;
125         pointsTracker.innerHTML = tally;
126     };
127
128     startQuiz();
129
130     /** DEVELOPER NOTES
131      * 'jshint eversion...' tells JavaScript checkers like JShint that source code uses 'ECMAS
132      * Reference material:
133      * J. Q. Quick, 2019 [https://youtube.com/playlist?list=PLDlWc9AfQBfZIkdVaOQXi1tizJeNJi
134      */
```

Metrics

There are 8 functions in this file.

Function with the largest signature take 1 arguments, while the median is 1.

Largest function has 11 statements in it, while the median is 2.

The most complex function has a cyclomatic complexity value of 4 while the median is 1.