

Coding Exercise

Introduction



We would like you to build a simple survey web app. The app shall take a list of multiple choice questions and their possible answers in the form of a JSON file.

The app shall save the answers in another JSON file upon completion of the survey. The right arrow should be disabled until the user has made their selection and the left arrow should return the user to the previous question with their previous answer checked.

Mockup

When do you plan on purchasing a new TV?

- ☐ Within the month
- ☐ Within the next six months
- ☐ Within the next year
- ☐ Next year or later
- ☐ No current plans



Sample Input Data

```
[
  {
    "question": "When do you plan on purchasing a new TV?",
    "answers": [
      "Within the month",
      "Within the next six months",
      "Within the year",
      "No current plans"
    ]
  },
  {
    "question": "Are you a vegetarian?",
    "answers": [
      "Yes",
      "No"
    ]
  },
  {
    "question": "How satisfied are you with your current internet provider?",
    "answers": [
      "Extremely satisfied",
      "Satisfied",
      "Unsatisfied",
      "Extremely Unsatisfied",
      "I do not have an internet provider"
    ]
  }
]
```

Sample Output Data

The output data is the same as the input data except it has an answer field with the index of the user's answer from the *answers* array.

```
[
  {
    "question": "When do you plan on purchasing a new TV?",
    "answers": [
      "Within the month",
      "Within the next six months",
      "Within the year",
      "No current plans"
    ],
    "answer": 2
  },
  {
    "question": "Are you a vegetarian?",
    "answers": [
      "Yes",
      "No"
    ],
    "answer": 0
  },
  {
    "question": "How satisfied are you with your current internet provider?",
    "answers": [
      "Extremely satisfied",
      "Satisfied",
      "Unsatisfied",
      "Extremely Unsatisfied",
      "I do not have an internet provider"
    ],
    "answer": 4
  }
]
```

Instructions

After the user gets to the end of the survey you may either display the final JSON output as a page or save it to the file system.

You may ignore session management concerns if you wish.

You may start with the input json sitting in the filesystem and then save the output file back to the filesystem. There is no need to provide any other UI except the questionnaire screens.

You may avoid comments, unit tests, and other clean code practices. The main thing is to complete the task and have it working.

You may use any platform, language, or framework you wish as long as it runs in a web browser. However, the one caveat is that I need to be able to run it on a Mac or Linux machine. Please include basic instructions.