Student Client Testing Plan

Student View

Client should load in an exam and display all questions, as well as a submit button. The user should be presented with a display similar to the following:

Question 1

What's the best programming language?

- ○ C#
- ○ Java
- ○ TypeScript
- ○ Fortran

Question 2

Computer Science is dope.

- ○ False
- ○ True

Question 3

How do you feel today?

Question 4

Print "Hello World" in the language

```
1 |
```

Multiple Choice Component

Clicking on a bubble should make it appear blue:

What's the best programming language?

○ C#

◉ Java

○ TypeScript

○ Fortran

Selecting a different bubble should change the selection:

What's the best programming language?

○ C#

○ Java

○ TypeScript

◉ Fortran

True/False Component

Clicking on a bubble should make it appear blue:

Computer Science is dope.

◉ False

○ True

Selecting a different bubble should change the selection:

Computer Science is dope.

○ False

◉ True

Short Answer Component

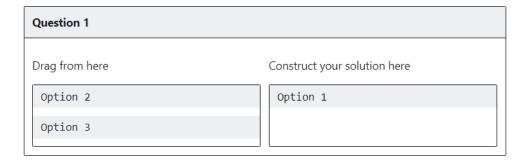Typing in the text box should update the text:

How do you feel today?

Hello world!|

Coding Answer Component

Typing in the text-editor should update the text – verify that "print" is highlighted blue:

Question 4

Print "Hello World" in the language

```
1   print("Hello World")|
```

Parsons Problem Component

You should be able to drag a block in the left column and place it down in the right column as depicted in the image below. You should also be able to re-arrange the blocks in either column.

Exam Submission

After filling out the exam, clicking the "Submit" should present the user with a "Valid submission" message, and all data should persist:

Question 4

Print "Hello World" in the language

```
1   print("Hello World")
```

✓ Success! Your exam was submitted.

Refreshing the page should not change any data – it should all persist. Additionally, the questions should now be disabled, and feedback boxes should appear.

Question 1

What's the best programming language?

○ C#

○ Java

◉ TypeScript

○ Fortran

Feedback:

```
```

Question 2

Computer Science is dope.

○ False

◉ True

Feedback:

```
```

Question 3

How do you feel today?

Good!

Feedback:

Question 4

Print "Hello World" in the language

```
1   print("Hello World")
```

Feedback: