

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?
<input type="radio"/> C#
<input type="radio"/> Java
<input type="radio"/> TypeScript
<input type="radio"/> Fortran

Question 2
Computer Science is dope.
<input type="radio"/> False
<input type="radio"/> True

Question 3
How do you feel today?
<div></div>

Question 4
Print "Hello World" in the language
<div>1</div>

Question 5

This is a test parsons problem

Drag from here

Construct your solution here

Second Block

First Block

Submit

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

The user should be able to click and drag each item in each row. They should be able to reorder elements within the same row:

Question 5	
This is a test parsons problem	
Drag from here	Construct your solution here
First Block	
Second Block	

They should also be able to drag between the columns:

Question 5	
This is a test parsons problem	
Drag from here	Construct your solution here
Second Block	First Block

Exam Submission

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

Valid submission

Question 1
What's the best programming language?
<input type="radio"/> C#
<input type="radio"/> Java
<input checked="" type="radio"/> TypeScript
<input type="radio"/> Fortran

Question 2
Computer Science is dope.
<input type="radio"/> False
<input checked="" type="radio"/> True

Question 3
How do you feel today?
Good!

Question 4

Print "Hello World" in the language

1

`print("Hello World")`

Question 5

This is a test parsons problem

Drag from here

Construct your solution here

Second Block

First Block

Submit

✓ 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:

Question 5

This is a test parsons problem

Drag from here

Construct your solution here

Second Block

First Block

Feedback: