Post-Experiment Questionnaire

The questions below must be answered by the proctor before providing the survey to the participant. **If you are not a proctor, please** ask the proctor for assistance.

* In	dicates required question
•	
1.	What is the participant identification number? *
2.	Did you save the participant's solution in the FlexPendant using the participant's identification number as the filename?
	If not, what is the file name? Write it down in the "Other" option.
	Mark only one oval.
	Yes
	Other:
0	
3.	Did the participant complete the experiment following ALL the software requirements established?
	Mark only one oval.
	Yes
	Other:
	Other:
4.	Do you have any other comments regarding the execution of this experiment (e.g., problems, bugs, delays)?
	Demographic Questions
۲	lease answer the questions below about your profile as a software developer.
5.	How many years of experience do you have in computer programming? *
	Mark only one oval.
	No programming experience
	Less than 1 year of programming experience 1 - 3 years of programming experience
	4 - 5 years of programming experience
	More than 5 years of programming experience

6.	How many years of experience do you have with block-based programming languages (e.g., MIT Scratch, Blockly)?			
	Mark only one oval.			
	No experience			
	Less than 1 year of experience			
	1 - 3 years of experience			
	4 - 5 years of experience			
	More than 5 years of experience			
7.	How many years of experience do you have with robot programming languages (e.g., URScript, RAPID, KRL)? *			
	Mark only one oval.			
	No experience			
	Less than 1 year of experience			
	1 - 3 years of experience			
	4 - 5 years of experience			
	More than 5 years of experience			
8.	Define your level of experience with robotics: * Mark only one oval. No experience Limited experience Moderate experience Experienced Highly experienced			
9.	(If applicable) What year are you in college?			
	If you are not an undergraduate student, please use the Other field to indicate your status (e.g., Ph.D. Student, Masters Student, etc)			
	Mark only one oval.			
	Freshman			
	Sophomore			
	Junior			
	Senior			
	Other:			
	earning Experience lease answer the questions below about your learning experience.			

Computer Programming

The questions below are about your learning experience with computer programming.

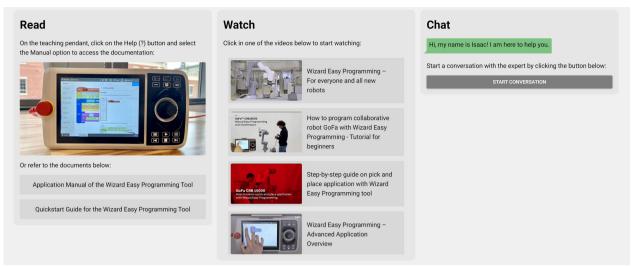
	Check all that apply.
	☐ Videos (e.g., YouTube, Udemy)
	Textbooks
	Audiobooks
	Online Communities (e.g., Reddit, Stack Overflow)
	Lecture Materials (e.g., In-Class Slides, Lecture Notes)
	Chatbots (e.g., ChatGPT)
	Technical Documentation
	Other:
11.	(If applicable) What challenges do you typically face when consuming computer programming learning materials?
	Check all that apply.
	The materials do not provide the sufficient or required information
	The information and resources are not always accessible
	The information and resources are not in a form that is readily useable
	The information and resources are not concise and clear
	The information and resources are not organized into logical and understandable components
	The information and resources provided are not up to date
	Other:
The	ot Programming questions below are about your learning experience with robot programming.
12.	(If applicable) When studying robot programming, what types of learning resources do you use the most? Check all that apply.
	☐ Videos (e.g., YouTube, Udemy)
	Textbooks
	Audiobooks
	Online Communities (e.g., Reddit, Stack Overflow)
	Lecture Materials (e.g., In-Class Slides, Lecture Notes)
	Chatbots (e.g., ChatGPT)
	Technical Documentation
	Other:
13.	(If applicable) What challenges do you typically face when consuming robot programming learning materials?
10.	
	Check all that apply.
	The materials do not provide the sufficient or required information
	The information and resources are not always accessible
	The information and resources are not in a form that is readily useable
	The information and resources are not concise and clear
	The information and resources are not organized into logical and understandable components
	The information and resources provided are not up to date
	Other:

10. (If applicable) When studying computer programming, what types of learning materials do you use the most?

Feedback about our experiment

Please answer the questions below regarding your experience in our robot programming experiment.

Figure 1. Learning materials available on the desktop computer



Quickstart Guide for the Wizard Easy Programming Tool Wizard Easy Programming — Advanced Application Overview	
What categories of learning materials available on the desktop computer were useful to solve the robot programming task? Check all that apply. Read Watch Chat No categories were useful for me	*
I did not use the desktop computer	
Do you have any positive or negative comments regarding the learning materials available on the desktop computer? List them below. ed on your experience with the learning materials provided, rate your agreement with the following ences:	
A. "The learning materials provided me with sufficient and required information" * Mark only one oval. Strongly Disagree Disagree	
	What categories of learning materials available on the desktop computer were useful to solve the robot programming task? Check all that apply. Read Watch Chat No categories were useful for me I did not use the desktop computer Do you have any positive or negative comments regarding the learning materials available on the desktop computer? List them below. and on your experience with the learning materials provided, rate your agreement with the following ences: A. "The learning materials provided me with sufficient and required information" * Mark only one oval. Strongly Disagree

17.	B. "The information and resources provided were always accessible"*			
	Mark only one oval.			
	Strongly Disagree			
	Disagree			
	Neither Agree or Disagree			
	Agree			
	Strongly Agree			
	I did not use the desktop computer			
18.	C. "The information and resources provided were in a form that is readily useable" *			
	Mark only one oval.			
	Strongly Disagree			
	Disagree			
	Neither Agree or Disagree			
	Agree			
	Strongly Agree			
	I did not use the desktop computer			
19.	D. "The information and resources provided were concise and clear" * Mark only one oval.			
	Strongly Disagree			
	☐ Disagree			
	Neither Agree or Disagree			
	Agree			
	Strongly Agree			
	I did not use the desktop computer			
20.	E. "The information and resources provided are well organized into logical and understandable components"*			
	Mark only one oval.			
	Strongly Disagree			
	Disagree			
	Neither Agree or Disagree			
	Agree			
	Strongly Agree			
	I did not use the desktop computer			

21.	F. "The information and resources provided are up to date" *
	Mark only one oval.
	Strongly Disagree
	Disagree
	Neither Agree or Disagree
	Agree
	Strongly Agree
	I did not use the desktop computer
22.	If you disagree or strongly disagree with one of the sentences above, please list your reasons for choosing such rates.
Co	onclusion
23.	Do you have any positive or negative comments about the block-based language you used in this experiment? Feel free to share as many details are you want.
24.	Do you have any additional comments about your experience in our experiment? Feel free to share any positive or negative feedback about your experience.
25.	If you are in a class where your participation in this experiment will give with extra points, feel free to provide your first and last name and the class you are attending below (e.g., CMSC 425), so we can notify your professor about your participation.
	Keep in mind that by writing your name below, you allow us to save and share your name with your professor. Your name will not be used for research purposes, and will be deleted from our data once your professor is notified.

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