

Post-Test Questionnaire: Enhancing User Experience and Productivity in VR Programming Environments

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Section 1: Demographic Information

1. **Name:** _____
2. **Occupation:** _____
3. **Experience with VR:**
 - Less than a month _____
 - 1-6 months _____
 - 6-12 months _____
 - Over a year _____
 - Never _____

Section 2: Overall User Experience

1. Overall, how would you rate your experience with the VR programming environment?

Rating	Description	Your Choice
1	Very Poor	_____
2	Poor	_____
3	Neutral	_____
4	Good	_____
5	Very Good	_____

2. How intuitive did you find the VR system to use?

Rating	Description	Your Choice
1	Very Difficult	-----
2	Difficult	-----
3	Neutral	-----
4	Easy	-----
5	Very Easy	-----

3. What aspects did you find most engaging?

4. Describe any features you found particularly challenging.

Section 3: Haptic Feedback, Visual, and Sound Effects

1. How realistic did the haptic feedback provided by the SenseGlove Nova feel?

Rating	Description	Your Choice
1	Not Realistic at All	-----
2	Slightly Realistic	-----
3	Moderately Realistic	-----
4	Realistic	-----
5	Very Realistic	-----

2. How much did the haptic feedback enhance your interaction with the virtual keyboard?

Rating	Description	Your Choice
1	Not at All	-----
2	Slightly	-----
3	Moderately	-----
4	Significantly	-----
5	Greatly	-----

3. How effective were the visual feedback mechanisms (e.g., color changes on hover and press) in enhancing your interaction with the virtual keyboard?

Rating	Description	Your Choice
1	Not Effective at All	-----
2	Slightly Effective	-----
3	Moderately Effective	-----
4	Effective	-----
5	Very Effective	-----

4. How realistic and immersive did the sound effects feel during your interaction with the virtual keyboard?

Rating	Description	Your Choice
1	Not Realistic at All	-----
2	Slightly Realistic	-----
3	Moderately Realistic	-----
4	Realistic	-----
5	Very Realistic	-----

5. Overall, how immersive did you find the VR environment?

Rating	Description	Your Choice
1	Not Immersive at All	-----
2	Slightly Immersive	-----
3	Moderately Immersive	-----
4	Immersive	-----
5	Very Immersive	-----

6. What elements contributed most to your sense of immersion?

7. Were there any elements that broke the immersion for you?

Section 4: Productivity and Ergonomics

1. How did the virtual keyboard design affect your typing speed?

Rating	Description	Your Choice
1	Significantly Slowed Down	-----
2	Slightly Slowed Down	-----
3	No Change	-----
4	Slightly Increased	-----
5	Significantly Increased	-----

2. How did the virtual keyboard design affect your typing accuracy?

Rating	Description	Your Choice
1	Significantly Decreased	-----
2	Slightly Decreased	-----
3	No Change	-----
4	Slightly Increased	-----
5	Significantly Increased	-----

3. Describe any physical discomfort or fatigue you experienced while using the VR environment.

4. How long were you able to use the system comfortably?

Duration	Your Choice
Less than 15 minutes	-----
15-30 minutes	-----
30-60 minutes	-----
More than 60 minutes	-----

5. What ergonomic improvements would you recommend?

Section 5: Suggestions and Future Improvements

1. What new features would you like to see in future versions of the VR programming environment?

2. Do you have any other comments or suggestions for improving the VR programming environment?
