

Questionnaire for HoloLens QoE Evaluation

Tester ID: _____ Name: _____ Gender: ☐M ☐F

Email: _____ Application Name: Young Conker

Your age range: ☐10-19 ☐20-29 ☐30-39 ☐40-49 ☐50+

- (1) Did you ever experience Pokemon Go or other AR applications? ☐Y ☐N
- (2) If yes, how many times? ☐1-5 ☐5-10 ☐10+
- (3) Did you ever experience non-contact gesture control applications, e.g. Xbox Kinect?
☐Y ☐N
- (4) If yes, how many times? ☐1-5 ☐5-10 ☐10+

1. To what extent did the device provide realistic visual information?
Not realistic Completely realistic
1 2 3 4 5
2. To what extent did the device provide realistic audio information?
Not realistic Completely realistic
1 2 3 4 5
3. To what extent did the application require your focus/attention level?
Not at all Completely focus
1 2 3 4 5

G1: Based on your ratings for Q1-3, please give a general rating for the content quality?
Very bad Very good
1 2 3 4 5

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4. To what extent could you move freely wearing the device?
Not at all Completely free
1 2 3 4 5
5. To what extent do you feel comfortable wearing the device?
Not comfortable Very comfortable
1 2 3 4 5

G2: Based on your ratings for Q4-5, please give a general rating for the hardware quality?
Very bad Very good
1 2 3 4 5

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6. To what extent did the **meaning** of the augmented contents fit the real environment?
(e.g. coins on ground/desk)
Not at all Completely fit
1 2 3 4 5
7. To what extent did the **position** of the augmented elements fit the real environment?
(e.g. coins connected with the ground, squirrel steps on the ground)
Not at all Completely fit
1 2 3 4 5

8. To what extent could the application contents **precisely** change with environmental changes? (e.g. when you move head to look from desk to ground)

Not at all

Completely precisely

1 2 3 4 5

9. To what extent could the application contents **quickly** change with environmental changes? (e.g. delays when you move head to look from desk to ground)

Not at all

Very quickly

1 2 3 4 5

G3: Based on your ratings for Q7-10, please give a general rating for the environmental understanding?

Very bad

Very good

1 2 3 4 5

10. To what extent do you think the gesture interaction design (e.g. air-tap to select) is natural?

Not at all

Very natural

1 2 3 4 5

11. To what extent do you think the voice interaction design (e.g. say “stop” to stop moving) is natural?

Not at all

Very natural

1 2 3 4 5

12. To what extent do you think the body movement interaction design (e.g. move head to control directions) is natural?

Not at all

Very natural

1 2 3 4 5

13. To what extent do you think the system respond precisely to your interaction instructions?

Not at all

Completely precise

1 2 3 4 5

14. To what extent do you think the system respond quickly to your interaction instructions?

Not at all

Very quickly

1 2 3 4 5

G4: Based on your ratings for Q11-15, please give a general rating for the user interaction?

Very bad

Very good

1 2 3 4 5

Please give a grade, from 0 to 100, for the **overall quality** of this AR experience: __/100

Any other comments about this user study?

Signature: _____

Thank you for participating in this study!