QUESTIONNAIRE OF ONLINE SURVEY

1.1 Question Types

There were four different types of questions used in our survey:

- 7-scale: 7-scale Agreement/Disagreement
 Strongly agree/disagree, Moderately agree/disagree, Slightly agree/disagree, and Neutral
- Y/N: Yes and NoOpen: Open-ended
- Check: Check all that apply

1.2 Pre-Questions

- Q1: [Open] "Please indicate your gender."
- Q2: [Open] "Please indicate your age."
- Q3: [Y/N] "Have you had a personal, volunteer, or work experience interacting with visually impaired people?"
- **Q4:** [Y/N] "Have you helped strangers with visual impairments in public spaces?"
- **Q5:** [Y/N] "Have you seen robots moving about in public spaces?"
- **Q6:** [Y/N] "Have you been involved in the development, promotion, marketing, or sale of robots?"

1.3 After Watching Video A (Robot & User)

- Q7A: [7-scale] "I would feel uncomfortable if the robot moves about with a blind person in public buildings."
- Q8A: [7-scale] "I would feel obstructed if the robot moves about with a blind person in public buildings."
- **Q9A:** [7-scale] "I would feel unsafe if the robot moves about with a blind person in public buildings."
- **Q10A:** [Check] "What kind of information about yourself would you not mind being detected by the camera attached to the robot assisting blind people?"
 - Body outline
 - Distance
 - Face
 - Face orientation
 - Facial expression
 - Age

- Gender
- Height
- Hair color
- Objects being carried
- Ethnicity
- Action

- $\bullet\,$ (If you know the user) Your name
- (If you do not know the user) Your name
- All information about me
- None of the above
- Q11A: [7-scale] "Feature 1 (Navigation) should be implemented in the robot assisting a blind person."
- Q12A: [7-scale] "I am OK with the robot's camera capturing me if it is used for Feature 1 (Navigation) of the robot assisting a blind person."
- Q13A: [7-scale] "The robot navigating a blind person to a destination looked natural."
- Q14A: [7-scale] "Feature 1 (Navigation) could malfunction."
- Q15A: [7-scale] "Feature 2 (Pedestrian Avoidance) should be implemented in the robot assisting a blind person."
- **Q16A:** [7-scale] "I am OK with the robot's camera capturing me if it is used for Feature 2 (Pedestrian Avoidance) of the robot assisting a blind person."
- Q17A: [7-scale] "The robot and a blind person avoiding pedestrians looked natural."

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- Q18A: [7-scale] "Feature 2 (Pedestrian Avoidance) could malfunction."
- Q19A: [7-scale] "Feature 3 (Riding an Elevator) should be implemented in the robot assisting a blind person."
- **Q20A:** [7-scale] "I am OK with the robot's camera capturing me if it is used for Feature 3 (Riding an Elevator) of the robot assisting a blind person."
- Q21A: [7-scale] "The robot and blind person riding an elevator looked natural."
- Q22A: [7-scale] "Feature 3 (Riding an Elevator) could malfunction."
- Q23A: [7-scale] "Feature 4 (Standing in a Line) should be implemented in the robot assisting a blind person."
- **Q24A:** [7-scale] "I am OK with the robot's camera capturing me if it is used for Feature 4 (Standing in a Line) of the robot assisting a blind person."
- Q25A: [7-scale] "The robot and a blind person standing in a line looked natural."
- Q26A: [7-scale] "Feature 4 (Standing in a Line) could malfunction."
- **Q27A:** [7-scale] "I am OK with the camera attached to the robot assisting a blind person capturing me, if it is used for assisting blind people only and the captured data is used for one-time detection only and not saved."
- **Q28A:** [7-scale] "I am OK with the camera attached to the robot assisting a blind person capturing me, if it is used for assisting blind people only and the captured data is saved."
- **Q29A:** [7-scale] "I am OK with the camera attached to the robot assisting a blind person capturing me, if it is used for not only assisting blind people and the captured data is used for one-time detection only and not saved."
- **Q30A:** [7-scale] "I am OK with the camera attached to the robot assisting a blind person capturing me, if it is used for not only assisting blind people and the captured data is saved."
- **Q31:** [Check] How many people were standing in the line when video A was introducing Function 4 (Standing in a Line)?
 - One person
 - Two people
 - Four people

1.4 After Watching Video B (Robot Only)

- Q7B: [7-scale] "I would feel uncomfortable if the robot moves about in public buildings."
- **Q8B:** [7-scale] "I would feel obstructed if the robot moves about in public buildings."
- **Q9B:** [7-scale] "I would feel unsafe if the robot moves about in public buildings."
- Q10B: [Check] "What kind of information about yourself would you not mind being detected by the robot's camera?"
 - Body outline
 - Distance
 - Face
 - Face orientation
 - Facial expression
 - Age

- Gender
- Height
- Hair color
- Objects being carried
- Ethnicity
- Action

- $\bullet\,$ (If you know the user) Your name
- (If you do not know the user) Your name
- All information about me
- None of the above

Q11B: [7-scale] "Feature 1 (Navigation) should be implemented in the robot."

Q12B: [7-scale] "I am OK with the robot's camera capturing me if it is used for Feature 1 (Navigation) of the robot."

Q13B: [7-scale] "The robot moving to a destination looked natural."

Q14B: [7-scale] "Feature 1 (Navigation) could malfunction."

Q15B: [7-scale] "Feature 2 (Pedestrian Avoidance) should be implemented in the robot."

Q16B: [7-scale] "I am OK with the robot's camera capturing me if it is used for Feature 2 (Pedestrian Avoidance) of the robot"

Q17B: [7-scale] "The robot avoiding pedestrians looked natural."

Q18B: [7-scale] "Feature 2 (Pedestrian Avoidance) could malfunction."

Q19B: [7-scale] "Feature 3 (Riding an Elevator) should be implemented in the robot."

Q20B: [7-scale] "I am OK with the robot's camera capturing me, if it is used for Feature 3 (Riding an Elevator) of the robot."

Q21B: [7-scale] "The robot riding an elevator looked natural."

Q22B: [7-scale] "Feature 3 (Riding an Elevator) could malfunction."

Q23B: [7-scale] "Feature 4 (Standing in a Line) should be implemented in the robot."

Q24B: [7-scale] "I am OK with the robot's camera capturing me, if it is used for Feature 4 (Standing in a Line) of the robot."

Q25B: [7-scale] "The robot standing in a line looked natural."

Q26B: [7-scale] "Feature 4 (Standing in a Line) could malfunction."

Q27B: [7-scale] "I am OK with the robot's camera capturing me, if it is used for assisting blind people only and the captured data is used for one-time detection only and not saved."

Q28B: [7-scale] "I am OK with the robot's camera capturing me, if it is used for assisting blind people only and the captured data is saved."

Q29B: [7-scale] "I am OK with the robot's camera capturing me, if it is used for not only assisting blind people and the captured data is used for one-time detection only and not saved."

Q30B: [7-scale] "I am OK with the robot's camera capturing me, if it is used for not only assisting blind people and the captured data is saved."

Q32: [Check] "How many standing people did the robot avoid when video B was introducing Function 2 (Pedestrian Avoidance)?"

- One person
- Two people
- Three people

Q33: [Check] "How many people were riding in the elevator when video B was introducing Function 3 (Riding an Elevator)?"

- Zero
- One person
- Two people