

# 1. Purpose of the test

The purpose of this test, is with the goal of evaluating the functionality of the machine learning simulated job interview prototype, and to assess how the testees perceive the virtual agent in the prototype. The test is done with the focus on the testees experience the system, the naturalness, and realism of the avatars, and the overall flow of the simulated conversation.

Through the start of the session, the testees complete a survey for demographic data and more and after a short semi-structured interview, that is designed to find out their expectation for interacting with an avatar. Through this question the hope is to establish the testees initial attitudes, assumptions, and anticipated challenges, providing a baseline for later comparison.

During the test of the prototype, one is taking notes on how they are reacting, while another stand ready on hand to help, if any issues arises

When the testees have interacted with the prototype, the participant will take the rest of the survey after, the interview will continue more detailed this time, through this is explored how their experience was with the virtual agents.

After the interview, the testees complete two validated questionnaires: the Artificial Social Agent Questionnaire (ASAQ) and the Goodspeed Questionnaire. These instruments are administered after the interaction with the prototype, ensuring that the participant's ratings are based on direct experience rather than expectation.

All this is done to combine both qualitative and quantitative insight into the prototype and how it experiences.

# 2. Participants

The test was conducted on university students from AAU on the Copenhagen campus. All testee shall be over 18, and participate voluntarily.

# 3. Test Environment.

The test takes place in a quiet room, with these tools being needed:

- A computer running the prototype
- A computer with the surveys
- A computer for note-taking
- A facilitator present through all the session
- Audio recorder

## 4. Step by step

1. The facilitator reads the statement, and hands the consent form
2. The testee reads and signs the consent form, after question has been asked if there were any
3. The testee completes (Before) Semi-Structured interview questions
4. The testee and facilitator have the first interview
5. The testee tries the prototype
6. The testee continues the interview
7. The testee takes the Artificial social Agent Questionnaire
8. The testee takes the Goodspeed Questionnaire
9. The testee completes (After) Semi-Structured interview questions

## 5. Question asked

Before trying prototype:

- What are your expectations for interacting with the avatar.
- What makes you most nervous in job interviews?

After trying prototype:

- How did the conversation feel to you in real time?
- Was there any moment you felt the avatars understood, or misunderstood you?
- What, if anything, surprised you about the avatars behaviour?
- If you could change one thing about the system to improve the experience, what would it be?
- Extra: Did the avatar respond appropriately and realistically?
- Extra: How would you evaluate your performance?

## 6. Data Collected

During this test session we collected:

Anonymous Data:

- Survey responses (ASAQ, Goodspeed, demographic categories)
- Usability and experience ratings

Audio Recordings:

- Only interviews were recorded
- Recordings were used solely for transcription
- All recordings will be deleted after transcription
- Transcripts were anonymized immediately

No names, contact details, or other identifiers were collected.

## 7. Estimated duration of test:

Consent + introduction: 3 minutes

survey + interviews: 10 minutes

Prototype testing: 15 minutes

Post-interviews and surveys: 15 minutes

Total: 43 minutes