**Model Suitability Investigation**

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# Purpose of Study

The aim of this study was to investigate how usable the use of 3-dimensional objects are for 2-factor authentication within daily routines. In particular, the study collected how quickly the authentication was completed, where it took place and if it was successful to allow for concrete comparisons to be made against other 2-factor authentication methods currently in use, as well as assessing how the models perform over a longer period of time by assessing the same data for improvements of time/percentage of successful authentications, plus more generally whether or not the object continued to work given continuous use.

# Survey

You will now be asked to complete a short survey on your experience using the model. The data you provide here will be anonymised as with the other questionnaire data and will be processed to analyse how usable the model you were given is.

# Other Models

In addition to the model you were assigned for the study, you are also provided the opportunity to interact with the other models that were created for the project. You will later be asked a questions based on your opinion of the object, so feel free to take your time exploring the object. An information sheet will be provided to inform how to use the other models, once you are ready to proceed, let the investigator know.

# Interview Section

You will now be asked a few questions on your experience using the models, feel free to use as much detail as you wish. This section will be recorded, so please keep this in mind. Recordings will be processed via transcription, then the audio files will be deleted to preserve anonymity. I will inform you when the recording has begun. I will also give you an opportunity to look over the questions so that you can consider how you will answer them, you can find the questions below. Please take some time to look through and think about them.

The questions you will be asked will be as follows:

* Are you familiar with using other 2-factor authentication methods? If so, which ones?
* Would you prefer to use this method over other 2-factor methods? Why?
* How secure does it feel to use this model for authentication?
* Where would you consider using this type of authentication (eg, banking app, email)? Why?
* What devices would you consider using this type of authentication on (eg phone, tablet)? Why?
* Having had the chance to use all 3 objects, which do you think you would prefer to use? Why? Were there things you liked more about the other objects than the one you were assigned?
* Would you ever consider in the future owning a 3D printer?

Once you are ready to begin the interview, please let the investigator know.