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Explore Task

Explore — Impact of Computing Innovations Written Response Submission 2017-2018 Submission Requirements 2. Written Responses Submit one PDF file in which you respond directly to each of the prompts below. Clearly label your responses 2a–2e in order. Your responses must provide evidence of the extensive knowledge you have developed about your chosen computing innovation and its impact(s). Write your responses so they would be understandable to someone who is not familiar with the computing innovation. Include citations, as applicable, within your written responses. Your response to prompts 2a–2d combined must not exceed 700 words. The references required in 2e are not included in the final word count.

Computational Artifact 2a. Provide information on your computing innovation and computational artifact. ● Name the computing innovation that is represented by your computational artifact. ● Describe the computing innovation intended purpose and function. ● Describe how your computational artifact illustrates, represents, or explains the computing innovation intended purpose, its function, or its effect.

2a) Google glass is a computing innovation that was meant to provide a ubiquitous computer in a hands free format. With voice command, the user is able to access hundreds of different apps created by third party developers. Acting like a hands free smartphone, google glass is a computing innovation with the intended purpose of being a computer on your head with a hands free format.

2b. Describe your development process, explicitly identifying the computing tools and techniques you used to create your artifact. Your description must be detailed enough so that a person unfamiliar with those tools and techniques will understand your process.

2b) I used the graphic design website google drawing to create the design for the computational artifact. I used and restructured a built-in “photo collage” template to tailor it to google glass by inserting four pictures and adding text and an aesthetic divider shape. I utilized the built-in image editing tools to flip, crop, and darken the images to enhance the look. The built-in export tool allowed me to export it as a PDF file.

2c. Explain at least one beneficial effect and at least one harmful effect the computing innovation has had, or has the potential to have, on society, economy, or culture.

2c) One beneficial effect of google glass is globalization because of how it has the potential to bring people, ideals, and thoughts together through google. It has the potential to do great things and bring people closer in terms of culture. By providing pictures, videos, and messages with this computing innovation it can change cultures all across the world. However, with benefits there are drawbacks and having a hands free communication device that can track your location, and take pictures of others it can have a harmful effect on privacy. With certain data sites being hackable, this can be a large problem with governments, and individuals getting ahold of your personal information can lead to big problems.

2d. Using specific details, describe: ● the data your innovation uses; ● how the innovation consumes (as input), produces (as output), and/or transforms data; and ● at least one

data storage concern, data privacy concern, or data security concern directly related to the computing innovation.

2d) The data that the innovation uses is pictures, videos, and messages that is chosen by the wearer through voice commands. The data comes in as an input of videos or pictures then it is exported to the google account. It uses 12 GB of usable memory that is stored in the small glasses, however it has a large data privacy concern. With google being one of the most used sites across the world, having those pictures or videos in the google cloud can be detrimental.

2e. Provide a list of at least three online or print sources used to create your computational artifact and/or support your responses through in-text citation to the prompts provided in this performance task.

2e) Allison, Conor. “First Radio, Then Television – Now the BBC Wants to Pioneer News Storytelling in Google Glass.” Wareable, Wareable, 21 Feb. 2016, www.wareable.com/vr/bbcnews-vr-storytelling-2848. Bohn, Dieter. “Intel Is Making Smart Glasses That Actually Look Good.” The Verge, The Verge, 5 Feb. 2016, www.theverge.com/2018/2/5/16966530/intel-vaunt-smart-glassesannounced-ar-video. Charara, Sophie. “The Difference between Google Glass and a Smartphone.” Raconteur, Raconteur Media Ltd., 18 Oct. 2016, www.raconteur.net/technology/what-is-thedifference-between-googleglass-and-smart-phone.,