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CMSI 4071 Senior Project I

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Project Proposal Document

Our Project, titled Squibble, is planned to be a React-based website hosting possible API use and Firebase backing. The idea of this website is to be a public whiteboard that anyone can use with a simple sign-in. This ensures that people can be moderated and trusted on the site. The whiteboard can be manipulated with text, gifs, images, and drawings. The user will also have an ability to add a layer on top of it with the use of post notes that can also host the same media. This is similar to other software such as Drawpile, Jamboard, and even the Zoom whiteboard feature that allows for drawing and interaction. The gimmick of this website comes in the fact that everything on the website will get erased after a 3 day period and everything will restart from scratch. The script enabling our website whiteboard functionality is open source, and personal websites can implement its base functionality with customizable server-side settings, such as enabling a timer that ticks down until the erasure, or the ability to pixelate distasteful images. The website will also take a screenshot of everything on the website archiving it and keeping it for the history books. There will only be one main page on the current iteration of the website that everyone who signs in will share. The users of the website could include anyone with a Google account that can be maintained through the use of Firebase.

This choice of project is appropriate for this team, because most of us have experience in React, APIs, and Firebase, from knowledge in Computer Graphics and Web Apps, to Mobile App classes. Ideally, we plan to expand our base abilities with the goals of this project. This is

also a project that can reasonably be done in the Fall 2024 semester with a baseline goal but can also be extended and expanded upon if the time is given and available. All of our team and the professor also find this project interesting and a fun experience to code and work on.