DeSilva Gates Click2Call 2021

# Background

Chrome extensions are unexplored in the DeSilva Gates IT department. A strong understanding of chrome extensions and their capabilities can be very powerful when working with our Zipline and Tagus suite of web applications. The current Click2Call utility in place is obsolete and difficult to work with. With the new Click2Call extension we aim to create a more configurable and streamlined program.

# Scope

This project will allow for configurability from the user as well as remotely from the server. The user will have the ability to configure an array of querySelectors as they please, as well as other cosmetic preferences such as icon size. However, we will also allow querySelectors to be set remotely as well as the ability to clear the cache remotely.

# Architecture

The project can be divided into two parts. A chrome extension consisting of multiple scripts (foreground, background, options) which makes phone numbers on an intranet website clickable and a simple windows application that adjusts the number appropriately and calls the dialer from command line. A registry edit is needed to allow these two parts to work together.

# Deployment steps

Initially we wanted to release the extension as a private extension on the chrome webstore. However, this came with a number of challenges. The webstore requires that the extension undergoes a thorough inspection before it can be published and each time it needs to be updated, even as a private extension. For now, files can be downloaded from the network share at [\\hcss\share\TagusWeb\ChromeExt](file:///\\hcss\share\TagusWeb\ChromeExt) and an installation guide can be found at the same directory. Eventually we will look into other methods of distribution such as the chrome webstore.

# Future Development

We are just beginning to understand the things we can achieve with chrome extensions. Future development of chrome extensions at DeSilva Gates IT will expand past just Click2Call utility. There is lot of potential for the extension to have much more functionality and be configured remotely.