USER DOCUMENTATION

Group 15: Mahmoud Bachir (Leader), Aaron Christie, Smruthi Srikumar, Gunbir Singh, Brendan Li, Kyle Ross, Jimmy Wen, Karthikey Thapliyal

The AutoHome user interface was designed to be extremely user friendly and very aesthetically pleasing. As soon as you visit the main site, the user is greeted with a quick description and a register/login box in the middle-right of the page. At the top of the page, i.e. the header of the page, there are tabs for 'Home', 'Memberpage', 'Tour', 'Features', and 'Contact'. A 'get in touch' section has been added to the footer of the page providing a phone number and email address for the site. The header and footer stay static as we browse through the site keeps navigation through different parts of the website simple and easy.

The 'Home' page is the main page where you are prompted to login/register. The register tab asks for a unique username, a valid email address, a password along with a confirmation for the set password. The login tab asks for an existing account's username and the corresponding password. Error pop-ups have been set such that they catch the user's attention and convey the message concisely. These errors are displayed based on any mistakes that the user has made while registering and logging-in.

The 'Tour' page is a very beautifully designed page that implement fade/moving effects within the different elements on the page. Scrolling down a picture of a macbook and to its left a list of features float up, the Mac in the picture is on the main AutoHome website, and the features have checkmarks next to them and then a description. Scrolling further down, an image of an iPhone and its features float up as well. The iPhone has the AutoHome app installed on it and you can see the main page. The 'Tour' page is meant to show what exactly our product encompasses.

The 'Features' page is very self-explanatory. This page is beautifully designed using animations as well, scrolling down brings up a list of a detailed descriptions of different features that our software and device support. Here we describe all the capabilities of our software and device such as being able to connect to light bulbs, to automate their home security, to be able to play/stop music, to be able to monitor/control devices remotely from anywhere, etc. And the 'Contact' page just has a form on it that allows you to submit an email with your concern to our support staff.

The 'Memberpage' page is the section where the controls for the devices are integrated. Once the user has successfully logged-in, the site redirects the user to this page. The page has been designed to keep the layout simple and easily understandable while also allowing fluid functionality. As of now, the site displays status for connected lights, controls for the said lights (turn-on, turn-off, light color), Buzzer status for connected main door, and a buzzer control (enable or disable buzzer). Finally, an 'account settings' tab has been implemented which allows the user to change password to different one. Selecting the 'logout' tab ends the session for the user and returns the user to 'Home' page.

The mobile application is also designed to be very user friendly and optimized for ease of access to all the features that our software offers. Once you launch the application, it asks you to login with your username and password, and if you don't have on, it gives you the option to create an account. Once you login to your account, you can swipe from the left to pull out the application 'menu' Here you can browse to a number of pages including; 'Lights', 'Door Lock', 'account settings', 'Share', 'Send'. The 'Share' and 'Send' pages allows the user to share information about their home network or an event that occurred with other people.

We have since, completely updated the backend server scripting on our end and completely revamped the website to properly display your device statuses, as well as remotely

send these devices commands as wish. Our server communicates with the Arduino constantly in order to make this possible. You can control these devices from anywhere, on any desktop or Android device!

Overall the mobile application and website is currently designed to be optimized, to be as user friendly as possible and to stay as easy as possible to use. Through our website, you can create an account, login, and control registered devices and check their statuses at your convenience. Through our mobile application, you can do everything the same way but instead with a user interface that has been optimized for mobile devices.