

User Manual

Berry - Alpha System



**BEN WEISS
GLEN XU
ANTHONY ANASTASOPOULOS**

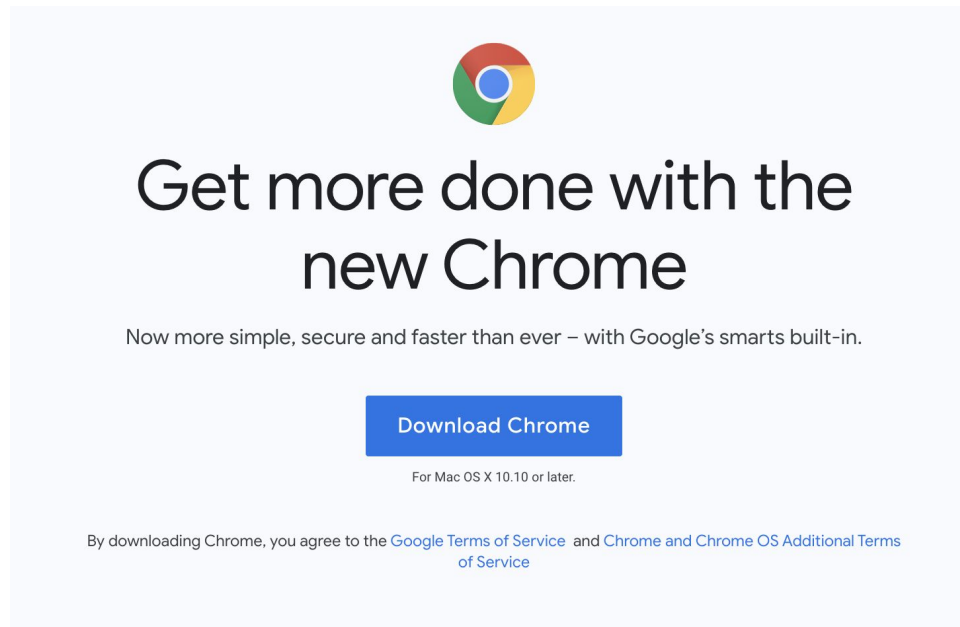
Table of Contents

Prerequisite.....	3
Installation.....	3
User Guide.....	5
Changes from Computer Prototype.....	5
Home Page.....	5
Chat History.....	6
Visualizing Answers.....	6
Visualization Pages.....	7
Editing the Graph.....	7

Prerequisite

In order to use our application Berry, you will need to use the Google Chrome browser since the app was developed as a Google Chrome extension.

If you do not already have Google Chrome installed, you can do so by visiting their website at <https://www.google.ca/chrome/>



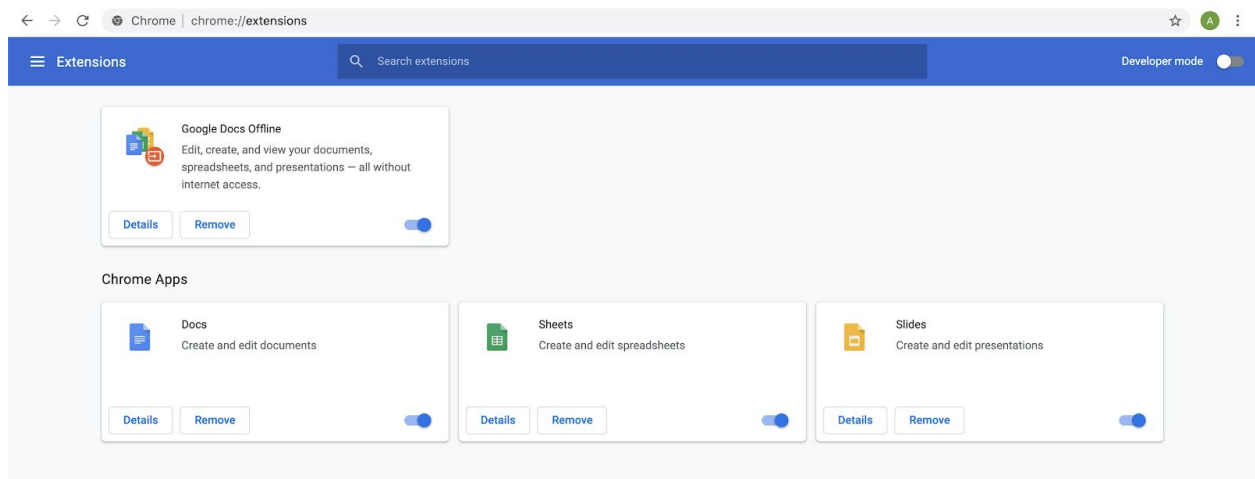
You will be met with the following prompt on the website. Clicking the “Download Chrome” button will download a .dmg or .exe file which contains the Chrome browser. Follow the necessary steps once the file is downloaded, at which point you should have the browser installed.

Also, the app was designed to work with Google Meet. This means that if you wish to use the app, it will only work with Google Meet meetings, not with Zoom. This is because it wasn't possible for our Chrome extension to obtain the chat data from Zoom.

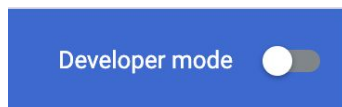
Installation

In order to install our application Berry and get it running, you must first download the application folder from our repository, the link is provided in our website. Once you have downloaded the necessary files, save them somewhere that you can access shortly.

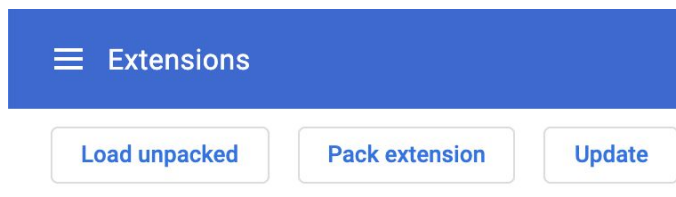
Now, open a Chrome tab, and type `chrome://extensions/` into the search bar. You should arrive at a screen that looks similar to this:



From here, you need to toggle the “Developer mode” switch at the top right.



Doing so will add some new options near the top left of the screen, as shown below.



Now, click on the “Load unpacked” button, and search for the application file you downloaded from our website. Select this file, and confirm your selection. This will add our application to your list of extensions. To use the application, click the extensions icon which is right next to the Chrome search bar, and select the Berry app. The icon for the app is shown below:



User Guide

Changes from Computer Prototype

Several changes were made to our app based on the computer prototype version. The details of these changes as well as the reasoning behind them are detailed in the Design Evolution section of the deliverable, but a summary of these changes is as follows:

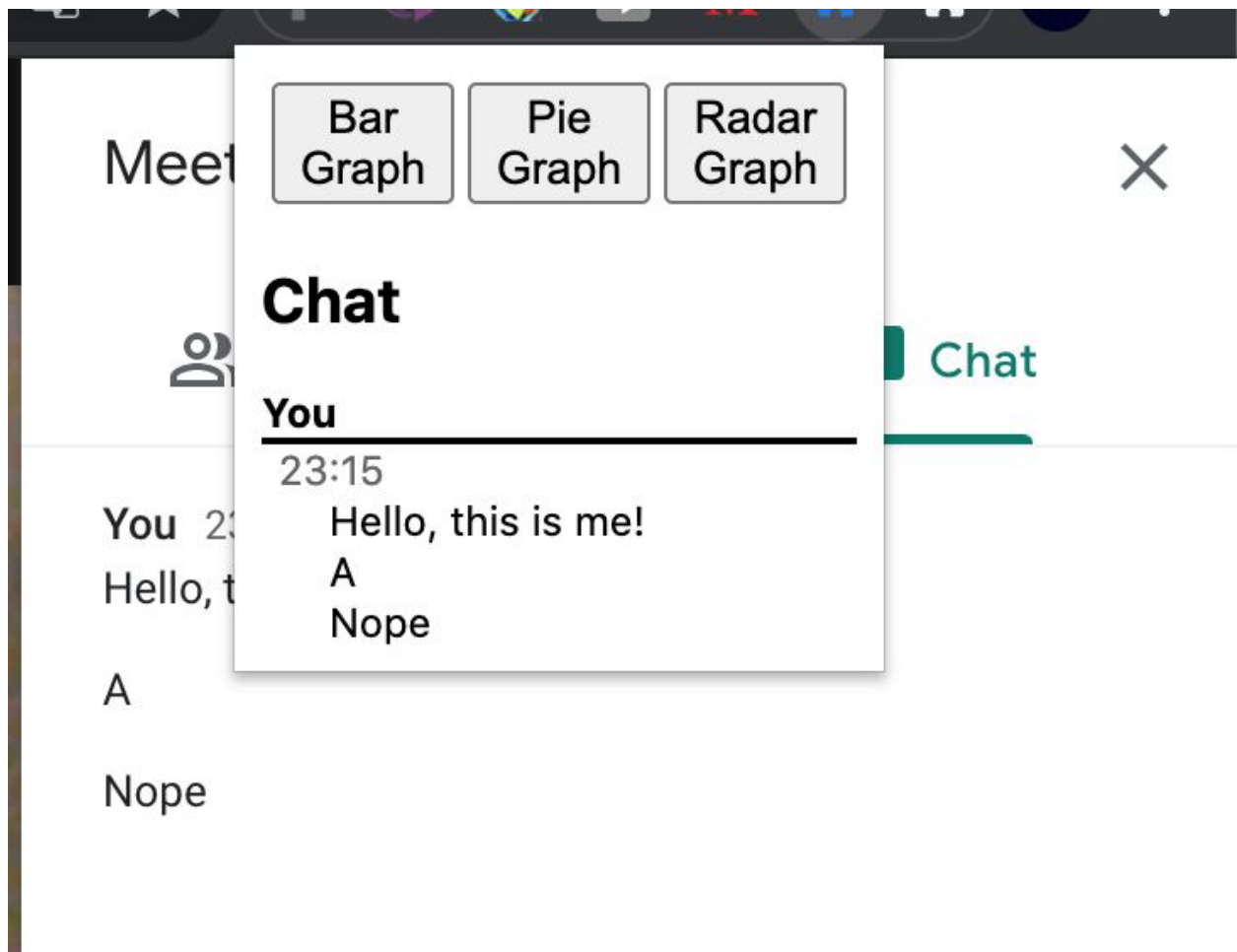
- The app was changed from a Java application to a Chrome extension due to usability concerns. It was noted that not all users would be comfortable with running a Java app from the command line, and that the original design of the app was quite intrusive on the screen and could not be resized. Chrome extensions are much simpler to run and take up much less room on the screen.
- The chat option was removed from the app. Some usability concerns were mentioned for this feature as well, and we figured it would be simpler to have the user chat through the video conferencing software.
- The app now uses Google Meet as its video conferencing software instead of Zoom. Since we are now using a Chrome extension, we were unable to extract that chat data from Zoom to our app. Thus, the change was made to Google Meet.
- The manual record answers and select messages features were both removed, being replaced with more automated versions. Instead of clicking a “record answers” button, the app now just always records the chat when it is open. As for selecting messages, the app groups together similar messages itself.

Based on these changes, we arrived at the following design for our application.

Home Page

The home page of our app consists of:

- A chat history region, updating and showing the chat messages from Google Meet simultaneously.
- Three graphing buttons, each of which allows the user to present the data they obtained in a different graphical format. For this version, the options include:
 - Bar Graph
 - Pie Graph
 - Radar Graph



CHAT HISTORY

The chat history region is used to show all the messages received by the host. In Google Meet, the host can be sharing not only their camera or the entire screen, but also a window, or another tab in Chrome. The chat history region in the extension enables the host to see the chat history even when they are not present in the Google Meet tab. For example, they can be sharing a youtube video in another tab in Chrome, while still being able to see the incoming messages.

VISUALIZING ANSWERS

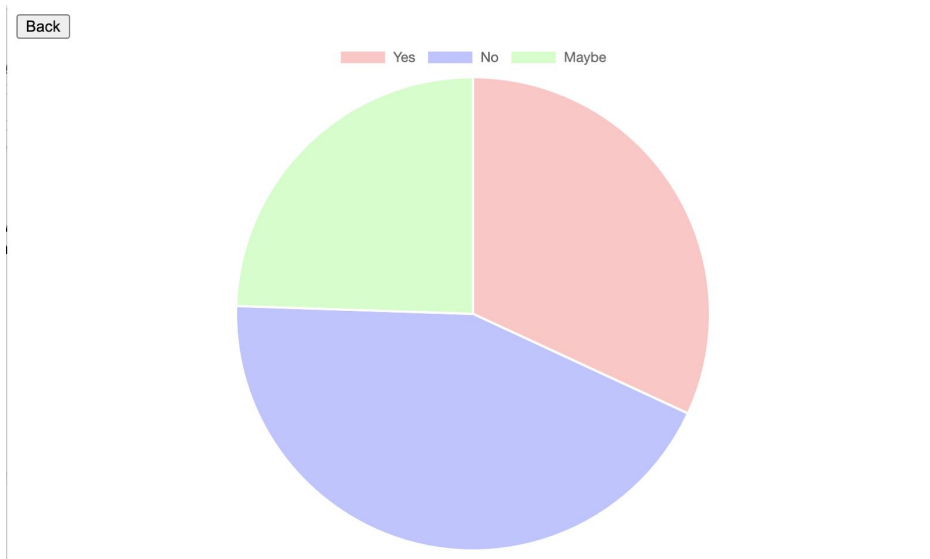
The host can press one of the **Bar Graph**, **Pie Graph**, or **Radar Graph** buttons in order to visualize the answers obtained through the chat.

Visualization Pages

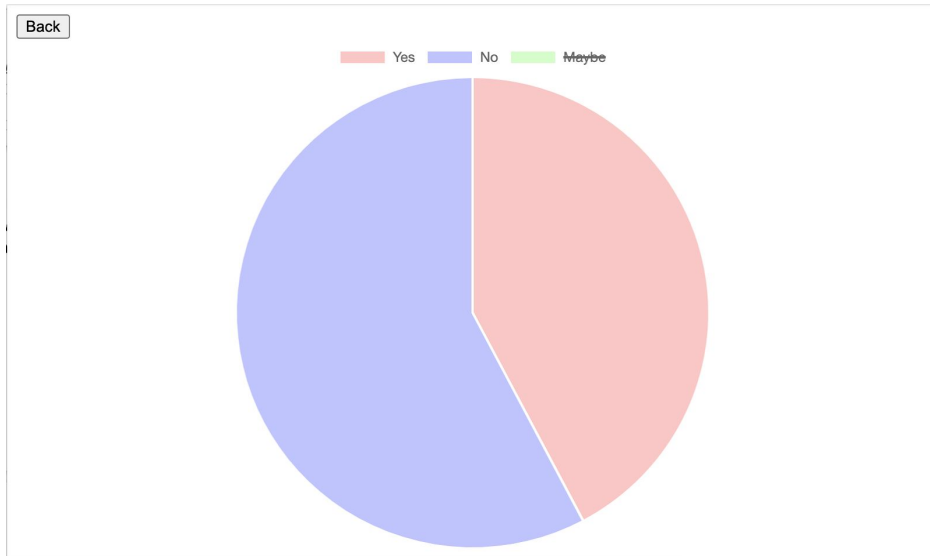
Each visualization page (i.e. the resulting page from each graphing button) consists of a **Back** button in the top right which allows the user to return to the home page, and a visual representation of the answers that were recorded.

EDITING THE GRAPH

The host can edit the graph by choosing which results they would like for it to show. For instance, in the Pie Graph, we first see a visualization as such when we generate it.



However, the host can decide that they do not want to show the “Maybe” answers. To do so, they simply click on the word “Maybe” above the Pie Graph, and this will remove it from the graph. This results in the following Pie Graph.



Thank you so much for using the computer prototype of this Zoom visualization tool. We hope that this user manual addresses all possible curiosities you may have about the system usage.

In case of any subtle discrepancy or inconsistency between the final release of the computer prototype and this user manual, the former shall prevail.

If there is anything not working on your device or environment, please contact us, we are more than happy to look up the issue and offer a solution.

Ben Weiss <benjamin.weiss3@mail.mcgill.ca>

Glen Xu <jiayuan.xu@mail.mcgill.ca>

Anthony Anastasopoulos <anthony.anastasopoulos@mail.mcgill.ca>