



meetrr

documentation

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This document outlines the details of our project and the operation instructions for how to use meetr. For our project, we made a website that is hosted in our own localhost, as such there is some setup that is necessary in order to access our documents. To begin, please take the folder submission that we have provided labeled “localhost” and place that folder as your actual localhost folder (eg. within vhost in appliance).

Next, please follow the instructions under “Where to Begin” in the CS50 website located (at [https://manual.cs50.net/Where\\_to\\_Begin](https://manual.cs50.net/Where_to_Begin)) so that you can configure your appliance to the necessary specification. One difference however to take note is to make sure that instead of using the name “project”, we utilize the name “localhost” for our project. Make sure to execute the “chmod” function on all the necessary files as noted in the instructions from “Where to Begin” so that the styling as well as our header pictures are accessible on the website. Next, we will need to import our SQL database into PHPmyadmin. This can be done by navigating to the address <http://localhost/phpmyadmin> and logging in with the CS50 account info. Create a database called “localhost” in your PHPmyadmin site and click on that on the left hand column to navigate to it. Then click the “import” button on the top right side of the interface and under choose file, select the “localhost.sql” file and keeping all the other settings, press “Go” to have the database be imported. Then you can navigate to <http://localhost> in your web browser of choice (we prefer chrome) in order to see the home page of our website: meetr. If there is an issue with style or formatting, make

sure to utilize a hard refresh, which may alleviate the issue.

Before you dive into the website however, we would encourage you to familiarize yourself with the features and overall goal of meetr. To learn more about the features of meetr, locate the Navigation bar (Navbar) located at the top of the index page and click on the features link. This page shows and explains how meetr helps people to plan, connect, and meet with their friends and family. To navigate back to the home page from the features page, feel free to use the Navbar again.

Great! Now, we can to dive into the meetr and explore what our website has to offer. The first thing that will need to be done is to register for an account on the meetr website. Please navigate to the home page at <http://localhost>, then click the register link at the bottom right corner under the login fields with the link “register”. You will be asked to fill out three fields: username (which needs to be a valid email), password, and confirm password. Click the submit button and your account is now created! Next time you login to our website, you can just directly input your account information in the login form fields from the homepage because the account data is already stored in our SQL database.

After registering, or coming back to the website and logging in, meetr will automatically redirect you into your inbox. Welcome to your Inbox! This page has two columns including “Received” and “Sent”. Under the Received section, we can see pending event requests that

other users have sent to you and have the categorizations of the “Event name”, “From”, and “Reply”. Under the Sent column, then you can see other requests that you have sent to other meetr users.

Once you have logged in, you can utilize the Navbar to go to the inbox, create an event, and logout. Let us try creating an event by clicking on that link on the Navbar. We will see several fields that need to be filled out including “Event name”, “Event duration in hours”, “Time Range”, “Date Range”, “Event Description” (optional) and “Recipient’s Email”. There are several specifications that the data inputted needs to follow:

- The Event duration needs to be a positive integer.
- The time format needs to be in army time (ie. 3:00 translates to 3AM and 14:00 translates to 1PM)
- The time format needs to be inputted in the format of HH:MM. (ie. 3:00 is equivalent to 3AM). The colon is required or it will not work.
- Recipients email/username. Must be registered email or else there will be an error message. These are the limitations: only EST – one time zone that is hard coded in. Events are limited to one day and cannot cross over the night. Army time and have to input the time .

Afterwards, hit the “Send Request” button and you will be asked to authorize the Google Calendar API to access your account for calendar info. Click “allow” and meetr will check your calendar for a given time and

redirect you back to your inbox after sending the request to the other user.

For the person who receives a request, as mentioned earlier, you can see all your events in the Inbox on the “Received” section. In the “Reply” column of the “Received” section, you can select to accept or ignore events in your inbox. If you choose to decline a request, then it will be deleted from your inbox and also the sender’s inbox.

If you choose to accept the request, meetr will ask for access to User 2’s Google Calendar account and after clicking “allow”, our algorithm will enter the comparison step in which it will look within the time and date range in order to find the first free slot that works for both users. If there are no mutually free times, then it should say sorry, and return back to the inbox. However, if there are available time slots, then meetr will pick the first available time slot and the event will be automatically added to your calendar. This will lead you to a success page and meetr will have completed an event scheduling.

To log out, utilize the Navbar link.

