

### ITP 303 Final Project Summary

**INSTRUCTIONS:** Type out your answer directly below each question. If a question does not apply to your project, type in N/A. When finished, save this file as a PDF and upload it to the itpwebdev server via FileZilla. Then, add a link to this PDF in your student\_page.html. Label it "Final Project Summary."

#### **BASICS**

**Your name?**

Sagar Tiwari

**What is the topic of your final project?**

Community Data. I want to engage people living in LA by providing them access to basic information about the city as well as a portal for them to add/search for events.

**Who is the intended audience?**

Any citizen of LA. I will eventually expand to NYC and Chicago.

**Provide a brief summary of the functionalities of your project.**

My project consists of three big sections, LEARN, ADVOCATE, and PARTICIPATE. The LEARN page is simply an API request page where I pull basic city details. The three cities this works for currently are LA, NYC, and Chicago. The ADVOCATE Page is where users can add or search for events in my CIVIC database. The PARTICIPATE Page is where results are displayed, and users can enter subpages of events for additional information, editing, and deleting, thus finishing my CRUD functionality. I have a Home page as well with basic information and a Team Section where users can access my personal website.

#### **FRONT-END**

**What is the total page count?**

I have 11 pages. 4 main pages, and 7 complimentary ones that assist in my CRUD functionality.

**List the names of any external stylesheet used in this project below.**

Style.css

**List any CSS libraries/frameworks used in this project (e.g. Bootstrap) below.**

Bootstrap

**List any JavaScript libraries/frameworks used in this project below.**

JQuery

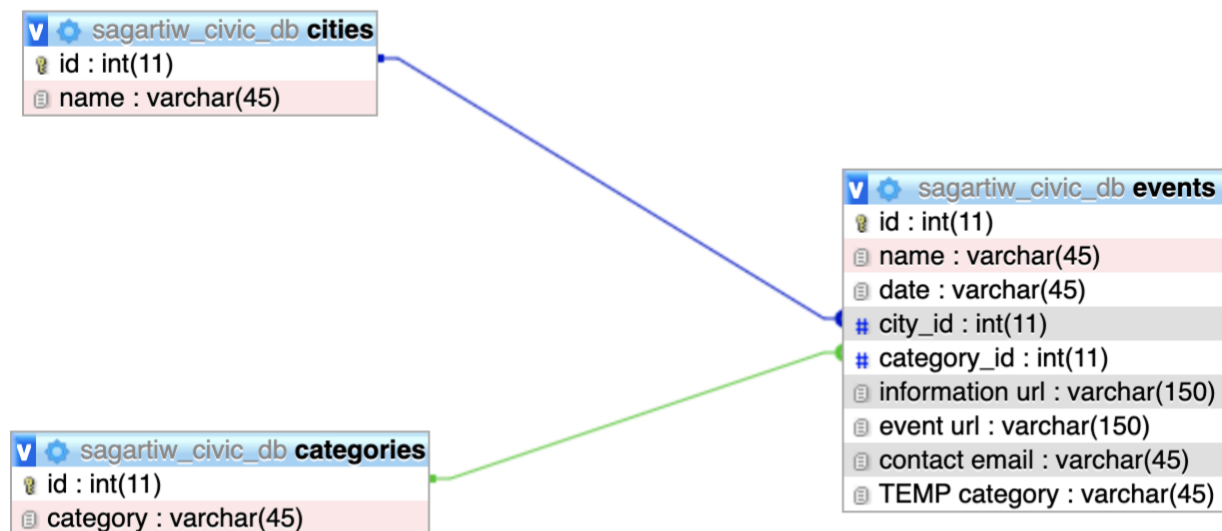
### How does your project meet the Interactivity requirement?

Clicking on the CIVIC logo in the top right-hand corner of every page will trigger an alert. Additionally, clicking on the Details, Update, and Delete buttons on the PARTICIPATE page will trigger an alert, informing the user that their search may be lost if they leave this page.

### BACK-END

Attach a screenshot of the final database diagram (just the diagram, do not include any records) below.

#### CIVIC V1 Design



### Where in your project do you insert a record to the database (the 'C' in CRUD)?

advocate.html > Click Add Button > add\_form.php > Click Submit > add\_confirmation.php

**Where in your project do you search and display record(s) from the database (the 'R' in CRUD)?**

participate.php

**Where in your project do you update and existing record(s) the database (the 'U' in CRUD)?**

details.php OR participate.php > click Update > edit\_form.php > click Submit > edit\_confirmation.php

**Where in your project do you delete existing record(s) from the database (the 'D' in CRUD)?**

participate.php > click Delete > confirm alert > delete.php

### MISC

**What two "extra" requirements did you implement and where can they be found?**

I used a REST API called GeoDB Cities API. It can be found on the learn.html page. I also use jQuery to process this API. You can observe that code in main.js, it was very helpful for AJAX and event handling.

**If you used any APIs or JS plugins/frameworks as one of the extra requirements, list the name and a link to their documentation.**

jQuery: <https://api.jquery.com/>

GeoDB: <https://wirefreethought.github.io/geodb-cities-api-docs/>

**If your project requires any admin credentials (i.e. only admin users can access a certain page), list the credentials below.**

**Provide any other information that you think the grader/instructor should know when grading your final project below.**

If jQuery does not count as an extra requirement, I would ask that you look at the detail I have put into my CSS. I have custom animations for all of my buttons, and I have also implemented a carousel on my home page. I also use AJAX to update my API call every time someone switches cities on the learn.html page.

Finally, some concerns. In terms of my data, I want to inform you that due to the fact that it was very difficult to normalize data from a CSV file, the vast majority of my events in my database are from Los Angeles. Additionally, I noticed that my pictures took a considerable time to load the first time viewing my webpages on the server. I hope this is a one-time thing.