

Budget

Costs are attributed to the resources used from Amazon Web Services, including the purchasing of a domain name, www.washudoing.com (\$12), and using EC2, CloudFront and Route 53. The estimated costs are subject to change depending on usage. Estimated total costs ~ \$25.

Challenges

- Learn how to code using HTML, PHP, and SSH with limited coding experience.
- Understand arcGIS software, complete annotations for a map of WUSTL campus, and implement it into our webpage.
- Learn how to create a live-feed network on our website using a database.
- Learn how to utilize AWS and its services, phpMyAdmin, PuTTY, and MySQL Workbench to suit the needs of our project.
- Making the website user-friendly through set filters.
- Assemble code to suit our website's purposes with no indication of syntax errors.

ArcGIS

ArcGIS is an online geographic information system that allowed us to access and manipulate available data into a map including all the predetermined plausible destinations on WUSTL campus. We wanted to provide visitors to our site with a visual representation of WashU's campus to help give a more complete depiction of events.



Kristine Ehlinger // Dylan Zubata
Natalie Ng, TA

Objectives

- Display current and upcoming events posted by WashU organizations.
- Display an annotated map, using arcGIS, that shows Danforth Campus and the South Forty.
- Allow users to filter events.
- Create a database to enter data and run queries through.
- Be able to demonstrate the functionality of our website including the event creation page and home page where one can view events.

Description

WashU Doing is an interactive website that brings together Washington University students and student groups. This platform allows organizations to upload descriptions about upcoming events and displays them in an accessible and user-friendly way for students.

AWS

Amazon Web Services is an online platform that provides all of the tools necessary to create and run a functional website. We have utilized:

- S3**- AWS file storage for our website code.
- Route 53**- Domain purchase and registration; creation of a hosted zone.
- CloudFront**- Content delivery network for site data.
- RDS**- Instance creation platform that allows connections between AWS programs and the website IP address.
- phpMyAdmin**- PHP-based MySQL database tool.
- PuTTY**- Emulator that allows us to treat our website instance as a computer system.
- LAMP (Linux, Apache, MySQL, PHP)**- software package that enables our site to transfer and process data.

Website

One of our main goals was to make the information about events on campus as reachable as it can be. Not every student wants to download an app or walk to the DUC to search for flyers, but every student is familiar with the Internet. A website thus seemed to be the most logical solution to balance accessibility and functionality.

Filters

As stated in our objectives, we intended to make the site as user-friendly as possible and suited to the specific interests of all students. We decided to create categories to help filter the event data depending on interest. For example, many students can attest that one of the most pivotal aspects of college is free food. We thus ensured a category for events that would fulfill that interest would be made, easing search for these hungry students.

