DEPARTMENT OF
Computer Science
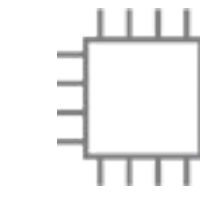
TCU | COLLEGE OF SCIENCE & ENGINEERING

Mercy Clinic Volunteer System

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Faculty Advisor: Dr. Bingyang Wei

Background

A CS senior design project helping a non-profit clinic

- Mercy Clinic
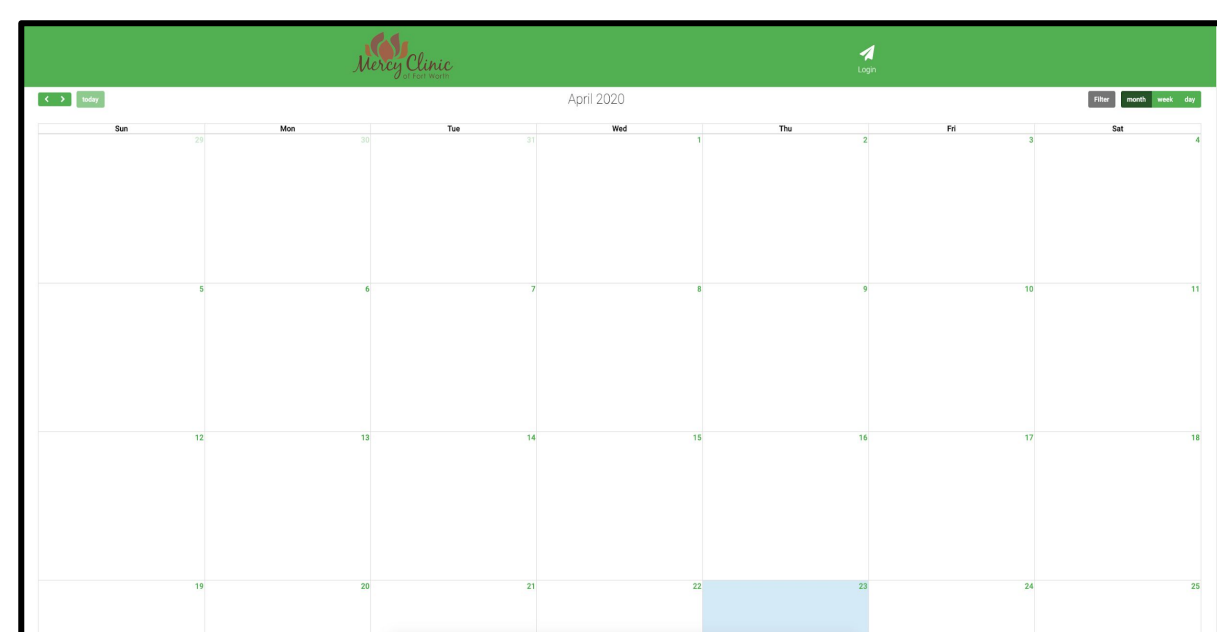 - Medical, Dental, Support, and Student

- Problem
  - Current Volunteer scheduling process
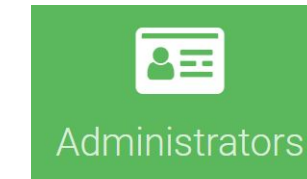 - Effects Administrator and Volunteers

Solution

- A web page for Administrators and Volunteers
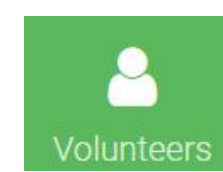- Each have their own features

Administrators

~Create   ~Edit
~Delete

First	Last	Email	Phone	Id	Edit	Delete
admin	admin	volunteer@mercyclinic.org		22	Edit	
Minh	Nguyen	ntm1406@gmail.com	817-773-6020	302	Edit	Delete
Warren	Riley	warren.riley@tcu.edu	123-123-1234	422	Edit	Delete
Cole	Weber	c.weber7@tcu.edu	555-555-5555	432	Edit	Delete

Volunteers

~Create ~Delete
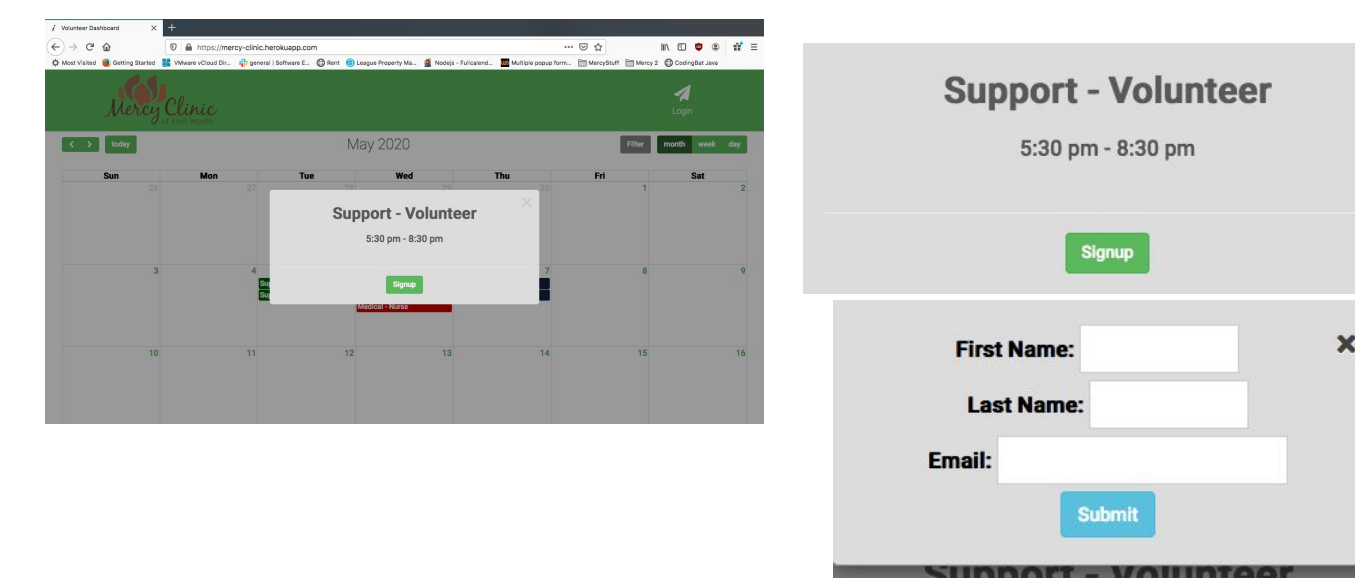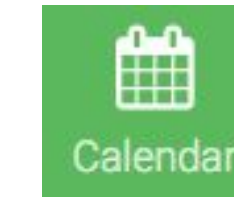~Search ~Generate Report
~Edit
~ Manually Update Hours

Hours Report

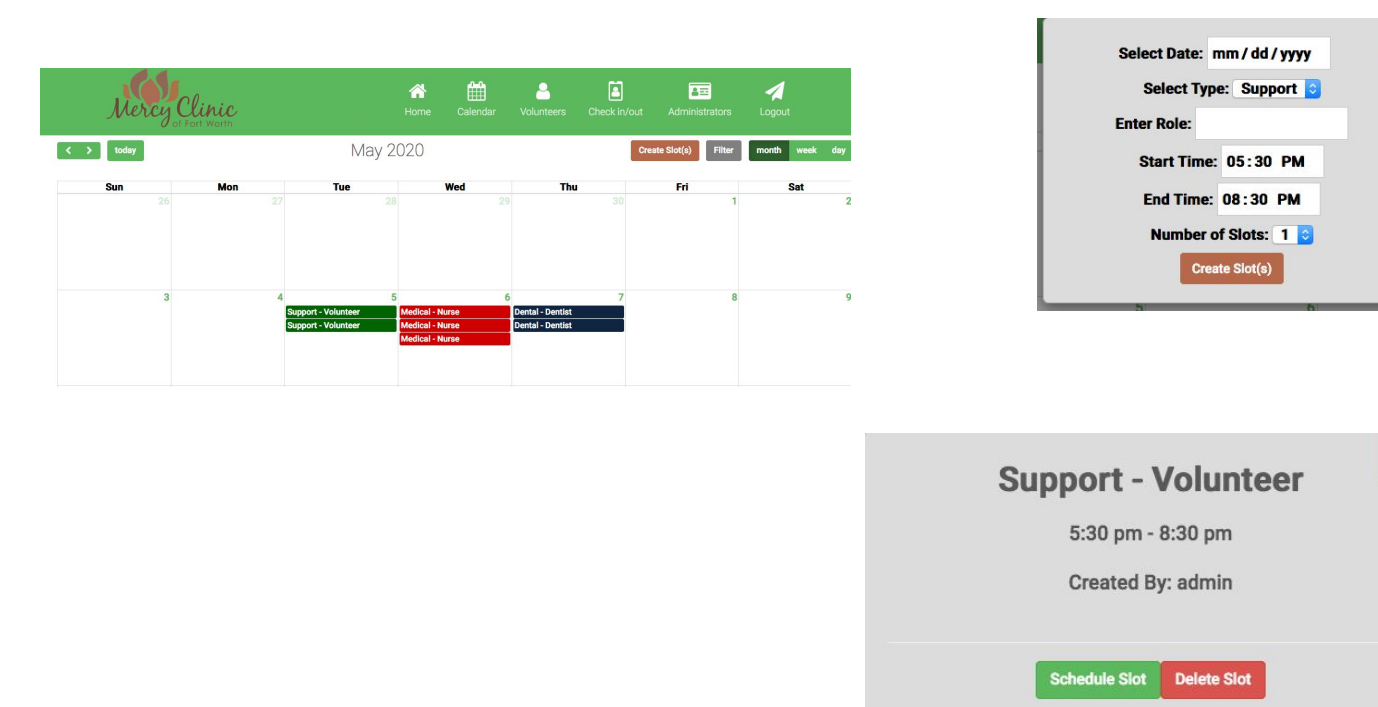| First_Name	Last_Name	Department	Date	Check In Time	Check Out	Duration
Minh	Nguyen	Medical	2/24/2020	4:00 PM	7:00 PM	3:00
Minh	Nguyen	Medical	3/8/2020	5:00 PM	7:00 PM	2:00
Minh	Nguyen	Medical	3/24/2020	6:00 PM	6:00 PM	0:00

Calendars

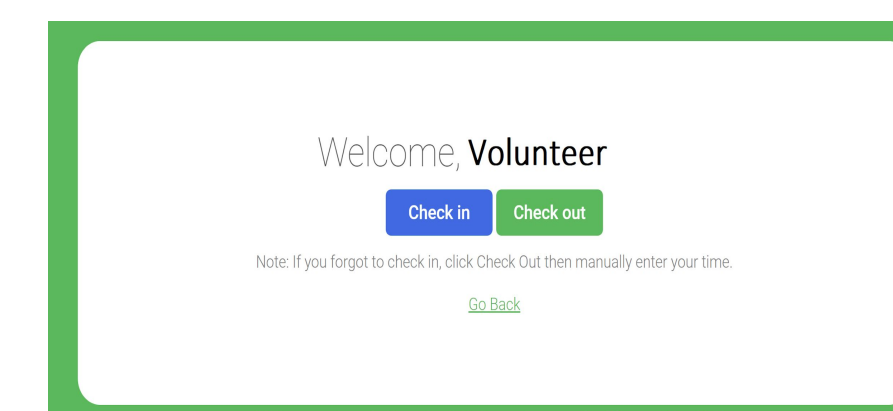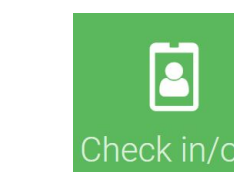Volunteer
    ~View slots
    ~Sign up for slots

Administrator
    ~Create slots   ~Delete slots
    ~Schedule/Unschedule slots

Check in / out

- Enter Name + Phone or Email
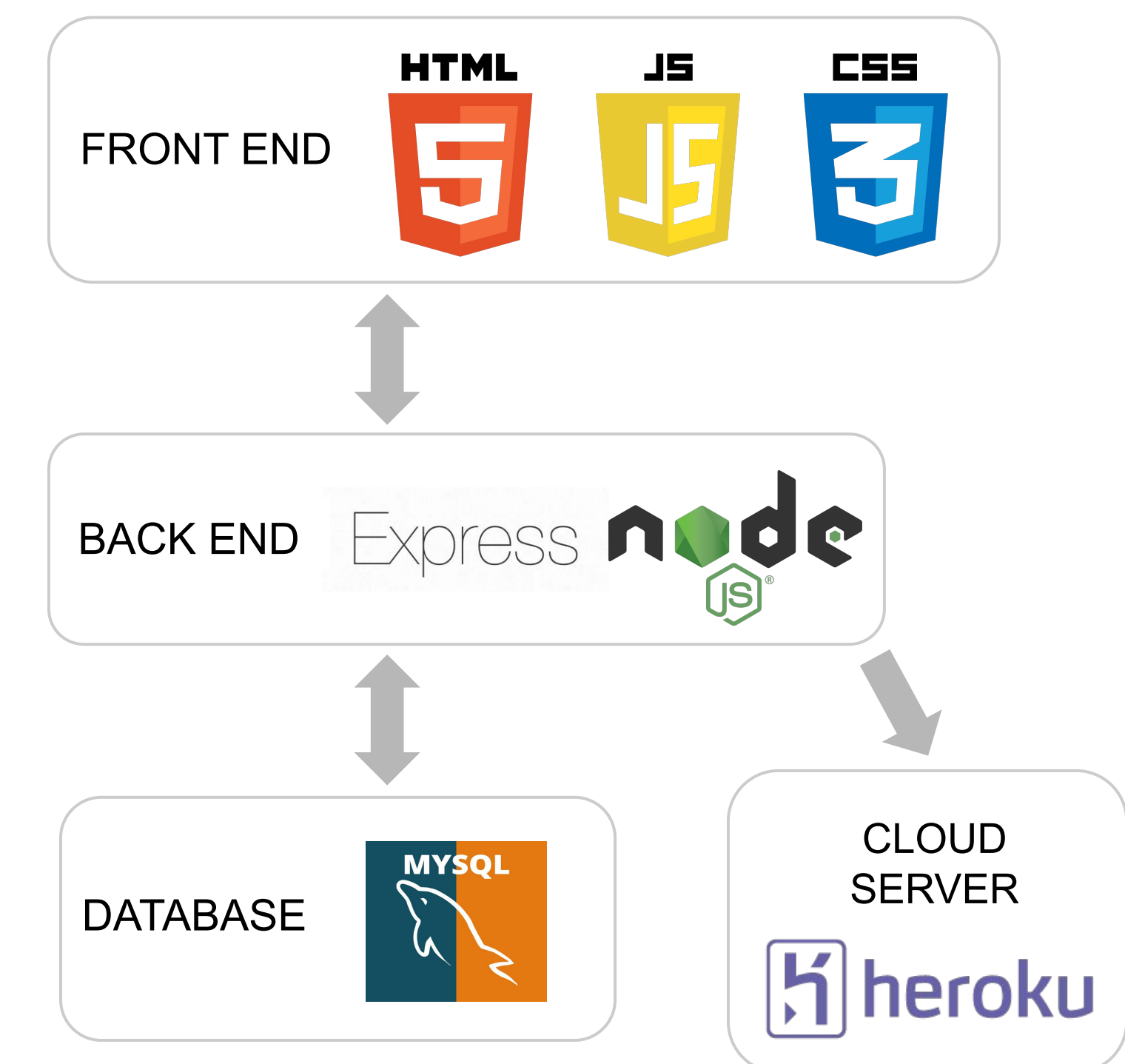- Click Checkin or Checkout
- Hours Auto Recorded

Technical Details

Node.js: a Javascript runtime that executes JavaScript code outside of a web browser.

Express: a web application framework for Node.js.

MySQL: a relational database management system that Mercy Clinic is familiar with.

Heroku: a platform as service (PaS) that allows us to run our app 24/7 in the cloud.

Acknowledgments

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- Mercy Clinic Administrative Staff
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