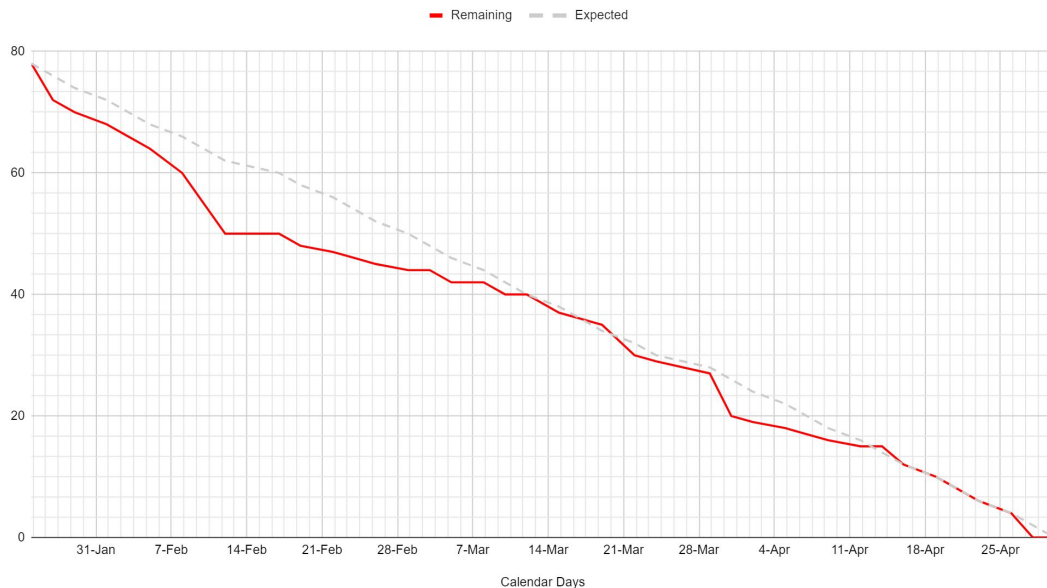# Virginia City Players Seat Planner

ESOF 423 Spring 2021: Group 2

Nicholas Zetterberg, Caleb Hayes, Sam Luther

Sprint 6 and Burndown Chart

VCP Group 2 Burndown Chart

System Architecture

- renderList.js
- newSeatapp.js
- newTicket.js

```javascript
function renderTicketList(doc){
    let li, firstName, lastName, totalAttend, email, phoneNumber, cross, extraInfo, editTicket, assignSeat, print, Seat
    try {
        li           = document.createElement('li');
        firstName    = document.createElement('spanner');
        lastName     = document.createElement('spanner');
        totalAttend  = document.createElement('spanner');
        email        = document.createElement('spanner');
        phoneNumber  = document.createElement('spanner');
        cross        = document.createElement('spanner');
        extraInfo    = document.createElement('div');
        print        = document.createElement('spanner');
        editTicket   = document.createElement('spanner');
        assignSeat   = document.createElement('spanner');
        Seat         = document.createElement('div');
        li.setAttribute('data-id', doc.id);

    } catch (e) {
        console.log("Could be testing")
        if (e instanceof ReferenceError) {
            return true
        }
    }


    firstName.textContent = doc.data().firstName;
    lastName.textContent = doc.data().lastName;
    totalAttend.textContent = "# of tickets: " + doc.data().totalAttend;
    email.textContent =  doc.data().email;
    phoneNumber.textContent = doc.data().phoneNumber;
    cross.textContent = 'X';
    editTicket.textContent = 'EDIT';
    assignSeat.textContent = 'ASSIGN SEAT';
    print.textContent = 'PRINT';
    extraInfo.textContent = 'Additional Info: '+ doc.data().extraInfo;
    Seat.textContent = 'Seat: ' + doc.data().Seat;
```

```javascript
form.addEventListener('submit', (e) => {

    var r = confirm("Are you sure you want to edit this ticket?");


    if (r == true){
        e.preventDefault();
        console.log("started");

        db.collection('test').doc(newticketId).update({

            firstName: form.firstName.value,
            lastName: form.lastName.value,
            phoneNumber: form.phoneNumber.value,
            email: form.email.value,
            totalAttend: form.totalAttend.value,
            extraInfo: form.extraInfo.value

        });
```

System Architecture - Firebase

System Design

- Observer pattern
  - Observer
  - State
  - Subject
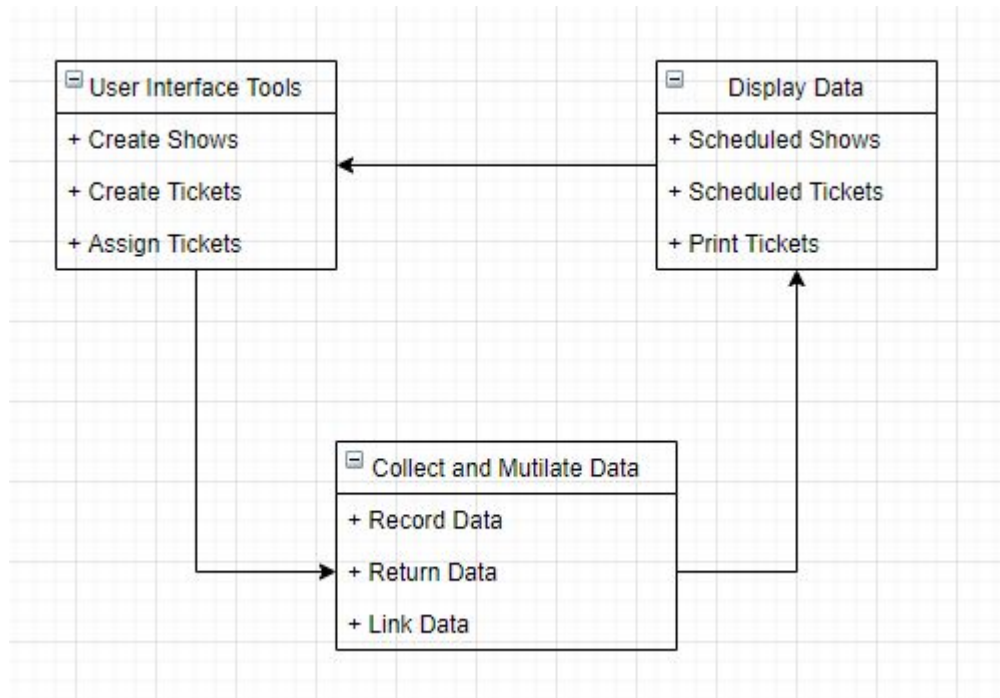
System Design - Trade Offs

- **Google Firebase**
  Using firebase instead of other services

- **Firestore Database Setup**
  Utilizing multiple collections instead of centralizing everything

- **Using a CSS Preset**
  Allowed for fast development at the onset while creating some issues during site integration later

- **Small Quality of Life Features**
  Deciding what to drop as development went on to retain site functionality

Quality Assurance - Testing
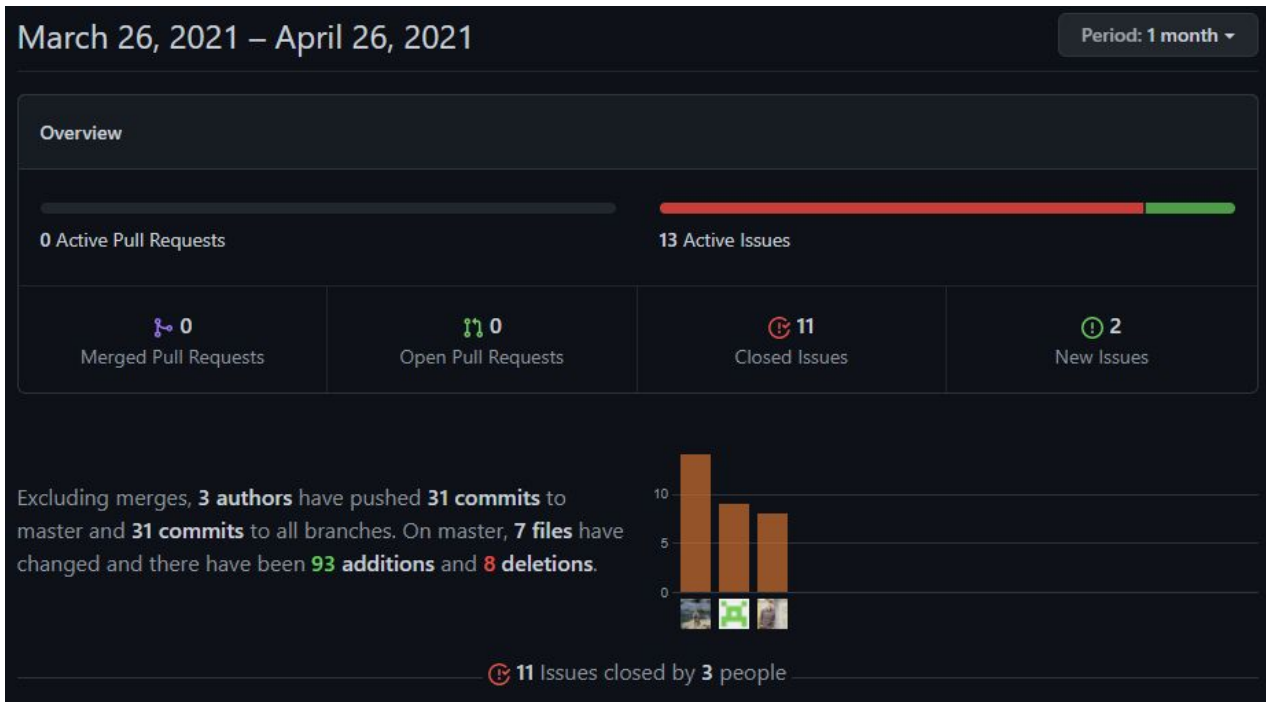
Testing Methods

- **Jasmine**
  We used jasmine for inline JS testing as well

- **Github workflows**
  Using Jasmine, github workflows, and npm we could know about breaking changes as they were pushed.

- **User Testing**

Quality Assurance - GitHub Issues

Live Demo

https://virginiacity-players.web.app/