

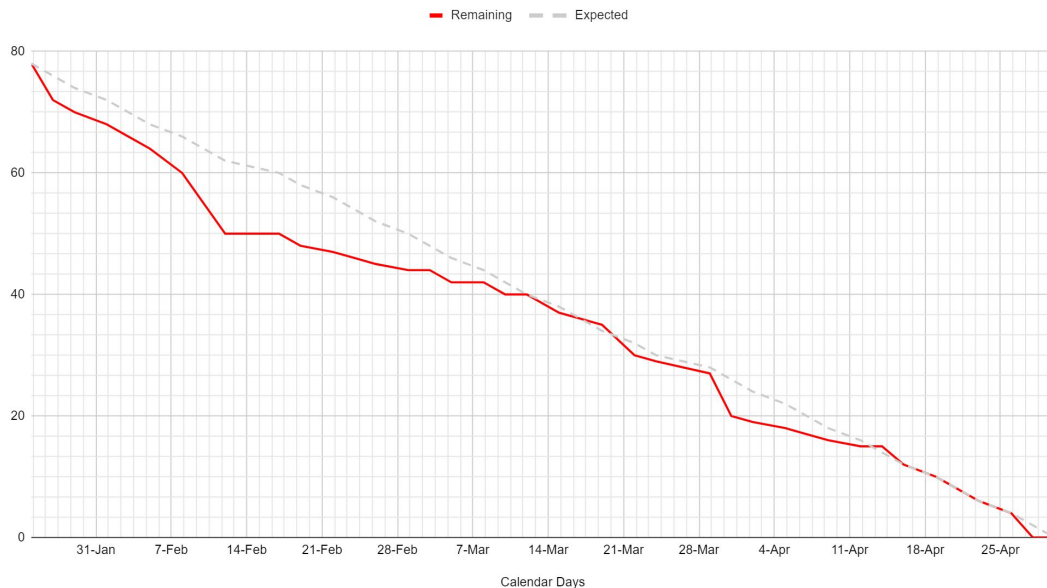
Virginia City Players Seat Planner

ESOF 423 Spring 2021: Group 2

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Sprint 6 and Burndown Chart

VCP Group 2 Burndown Chart



System Architecture

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

```
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;
```

```
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


home > Shows > SRjLThkNx481p...		
virginiacity-players		
+ Start collection	+ Add document	+ Start collection
Shows	SRjLThkNx481p1Whb4x9	+ Add field
test	LN6rxzotCZ4au7zzCnS6 MUu7g1yghPKAkUwhFmpo ao1DzowmdcaeYU4zUbki ng2krSCLHxqoSG4arhTZ	showDate: "2021-03-05" showName: "Polaroid Stories" time: "2:00"

All sites [Add another site](#)

epicgamer69

epicgamer69.web.app (+1 more)

Latest release 3/30/21, 1:08 PM UTC


 samluther998@gmail.com
cf7fd3

View →

supercoolawesomewhatever

supercoolawesomewhatever.we... (+1 more)

Latest release 3/22/21, 9:56 AM UTC


 NicholasZetterberg@gmail.co
m
0616fe

View →

the-other-one-for-sam

the-other-one-for-sam.web.app (+1 more)

Latest release 3/5/21, 10:43 AM UTC


 samluther998@gmail.com
9d4b9b

View →

virginiacity-players

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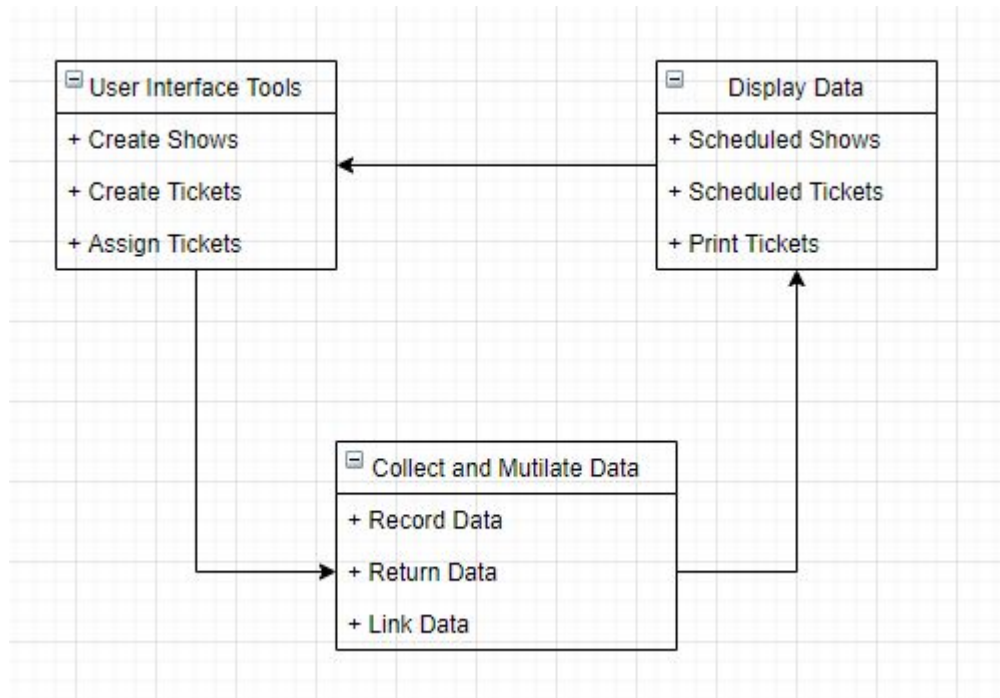
Latest release 4/23/21, 3:13 PM UTC

 samluther998@gmail.com
05529f

View →

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**

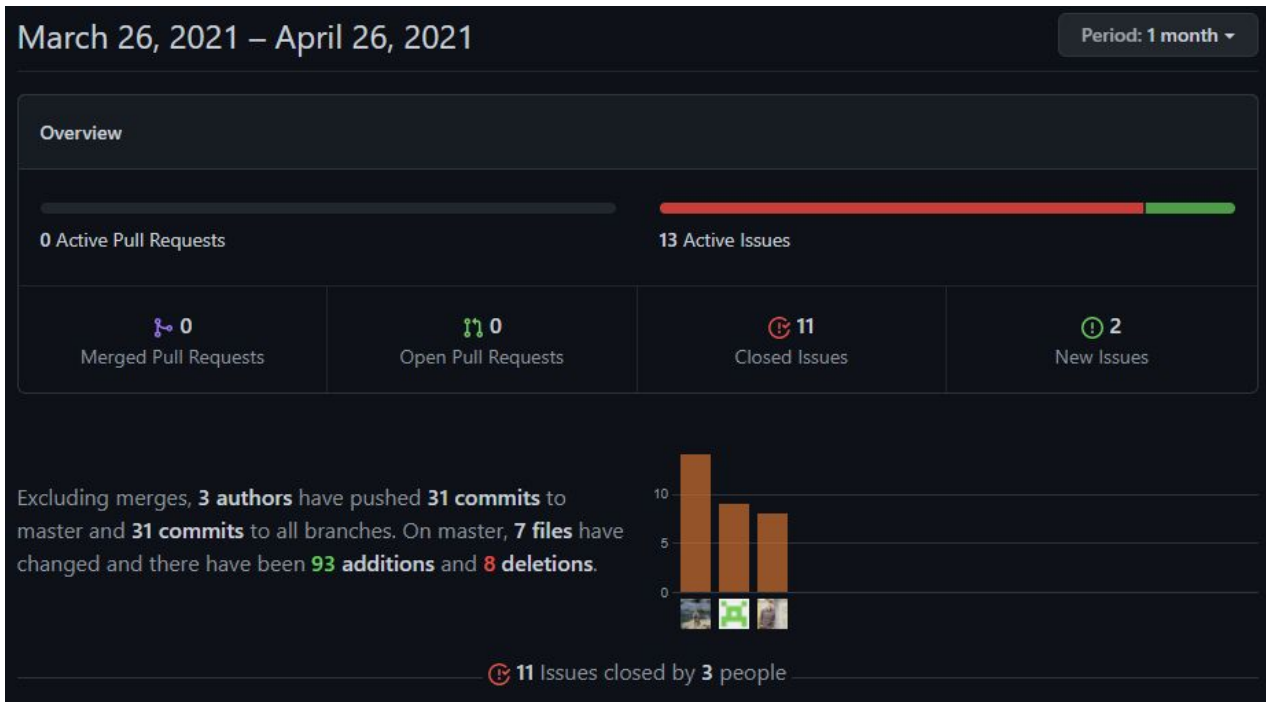
We used jasmine for inline JS testing as well

- **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/>