Vue Player Tracker

Players:
https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190470/1_cxwinb.webp
https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190470/8_sbqriz.webp
https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/7_omvz9t.webp
https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/5_dm97cw.webp
https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/4_ec3vzk.webp
https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/2_hqe0ky.webp
https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/6_mdkfoj.webp
https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/3_mgphn7.webp

Mystery Player
https://res.cloudinary.com/drr6cwmiz/image/upload/v1701191329/mystery_exnajf.webp

Logo
https://res.cloudinary.com/drr6cwmiz/image/upload/v1721948001/logo-transparent_p8qays.png
https://res.cloudinary.com/drr6cwmiz/image/upload/v1721953142/hero-banner_xmzfkn.jpg

Pre-reqs:

If using the Java server to get JSON, you must install the database by using the create.sh script in the java→database folder.

sh create.sh from terminal command line. It will call the other scripts for you

You will probably want to update the route config (index.js) to turn off authentication on HomePage view

Note: May be errors in this doc. I wrote it very fast….

STEP 1: Let's build a site header component

```
<template>
    <div>
        <h1 id="siteTitle">{{title}}</h1>
        <nav>
            <a href="#">Home</a> |
            <a href="#">About</a> |
            <a href="#">Search</a>
        </nav>
    </div>
</template>

<script>
export default {

    data() {
        return {
            title: 'Java Juggernauts'
        }
    }

}
</script>

<style scoped>
  #siteTitle {
    text-align: center;
  }
</style>
```

STEP 2: Add the header component to App.vue

```
<template>
  <div class="main">
    <the-header></the-header>
     <h1>placeholder</h1>
  </div>
</template>
```

```
<script>

import TheHeader from './components/TheHeader.vue';

export default {

  components: {
    TheHeader
  }

};
</script>

<style>
.main {
  font-family: "Avenir", Helvetica, Arial, sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
  text-align: center;
  color: #2c3e50;
  max-width: 800px;
  margin: 60px auto 0 auto;
}
</style>
```

After adding the component, we should have the Header added to the main page

STEP 3: Add a logo and clean up the header

In TheHeader.vue, add the following code just before the h1:

```
<img
src="https://res.cloudinary.com/drr6cwmiz/image/upload/v1721948001/logo-
transparent_p8qays.png" alt="">
```

Upon saving, we can see the image is WAY too big. Let’s fix it through CSS

```
img {
  width: 10%;
  height:auto;
}
```

STEP 4: Let’s align the header horizontally

Add an id attribute to the div and call it container and add the following CSS:

```
#container {
  display: flex;
  justify-content: space-around;
  align-items: center;
  width: 100%;
  border-bottom: 10px solid rgb(13, 21, 139);
  background-color: cornflowerblue;
}
```

STEP 5: Let’s make the links look like buttons

```
nav a {
  margin: 5px;
  padding: 13px 25px;
  background-color: rgb(13, 21, 139);
  color: white;
```

```
    border-radius: 6px;
}
```

STEP 6: Let’s build a footer component

```
<template>
  <div id="container">
    <p id="copyright">&#169; Copyright - JB Enterprises</p>
  </div>
</template>

<script>
export default {

}
</script>
```

Now add the footer to App.vue

STEP 6a - clean up the footer

```
  #container {
    border-top: 10px solid rgb(13, 21, 139);
    background-color: cornflowerblue;
    color: white;
    margin-bottom: 10px;
  }
  #copyright {
    text-align: center;
    padding-bottom: 10px;
  }
```

STEP 7: Let’s set up a Home page and basic routing

Create a **HomeView.vue** file…in the Views folder

```
<template>
  <div>
    <h1>Site home page</h1>
  </div>
</template>

<script>
export default {

}
</script>

<style scoped>

</style>
```

Go to App.vue and add a router view element

```
<template>
```

```
  <div class="main">
    <the-header />
    <router-view />
     <the-footer />
  </div>
</template>
```

Go to router config file (index.js) and add a route entry (don't forget to import it)

```
import HomeView from '../views/HomeView.vue';
```

```
  {
    path: '/',
    name: 'home',
    component: HomeView,
    meta: {
      requiresAuth: true
    }
  },
```

App should now load the home page by default

STEP 8: Let's add a background image for our home page with text overlay

```
  <div class="big-image">
    <div class="overlay">
        <h1>Java Juggernauts</h1>
        <p>Beating Python Developers is like taking candy from a
baby!</p>
    </div>
  </div>
```

```
  .big-image {
    height: 100vh;
    width: 100vw;
    position: relative;
    background-size: cover;
    background-position: 50% 50%;
    background-image:
url('https://res.cloudinary.com/drr6cwmiz/image/upload/v1721953142/hero-
banner_xmzfkn.jpg');
  }
```

```
  .overlay {
    position: absolute;
    height: 100%;
    width: 100%;
    top: 0;
    left: 0;
    background: rgb(0,0,0,0.65);
    color: white;
    display: flex;
    align-items: center;
    justify-content: center;
    flex-direction: column;
  }
```

STEP 9: Add an about page

Create an AboutView.vue file and then add the route to the router

```
<template>
```

```
  <div>
    <h1>About Java Juggernauts Baseball</h1>
    <p>Random stuff would go here</p>
  </div>
</template>

<script>
export default {

}
</script>

<style scoped>

</style>
```

```
  {
    path: '/about',
    name: 'about',
    component: AboutView
  },
```

STEP 10: Add router links to the navigation to route between pages

```
<router-link v-bind:to="{ name: 'home' }">Home</router-link>
<router-link v-bind:to="{ name: 'about' }">About</router-link>
<router-link v-bind:to="{ name: 'home' }">Search Players</router-link>
```

Pages should now route accordingly

STEP 11: Adding a search page (view and component)

Create a component called **PlayerSeach.vue**

```
<template>
  <div>
    <p>player search page placeholder</p>
  </div>
</template>

<script>
export default {

    data() {
        return {

        }
    }

}
</script>

<style scoped>

</style>
```

Create a view page called: PlayerView.vue.   And add the component to it

```
<template>
  <player-search/>
</template>

<script>

import PlayerSearch from '../components/PlayerSearch.vue';

export default {

    components: {
        PlayerSearch
    }

}
</script>

<style scoped>

</style>
```

STEP 12: Hook up Search Page to Router

In the router config file (index.js), add a route to the new search page

```
import PlayerView from '../views/PlayerView.vue';
```

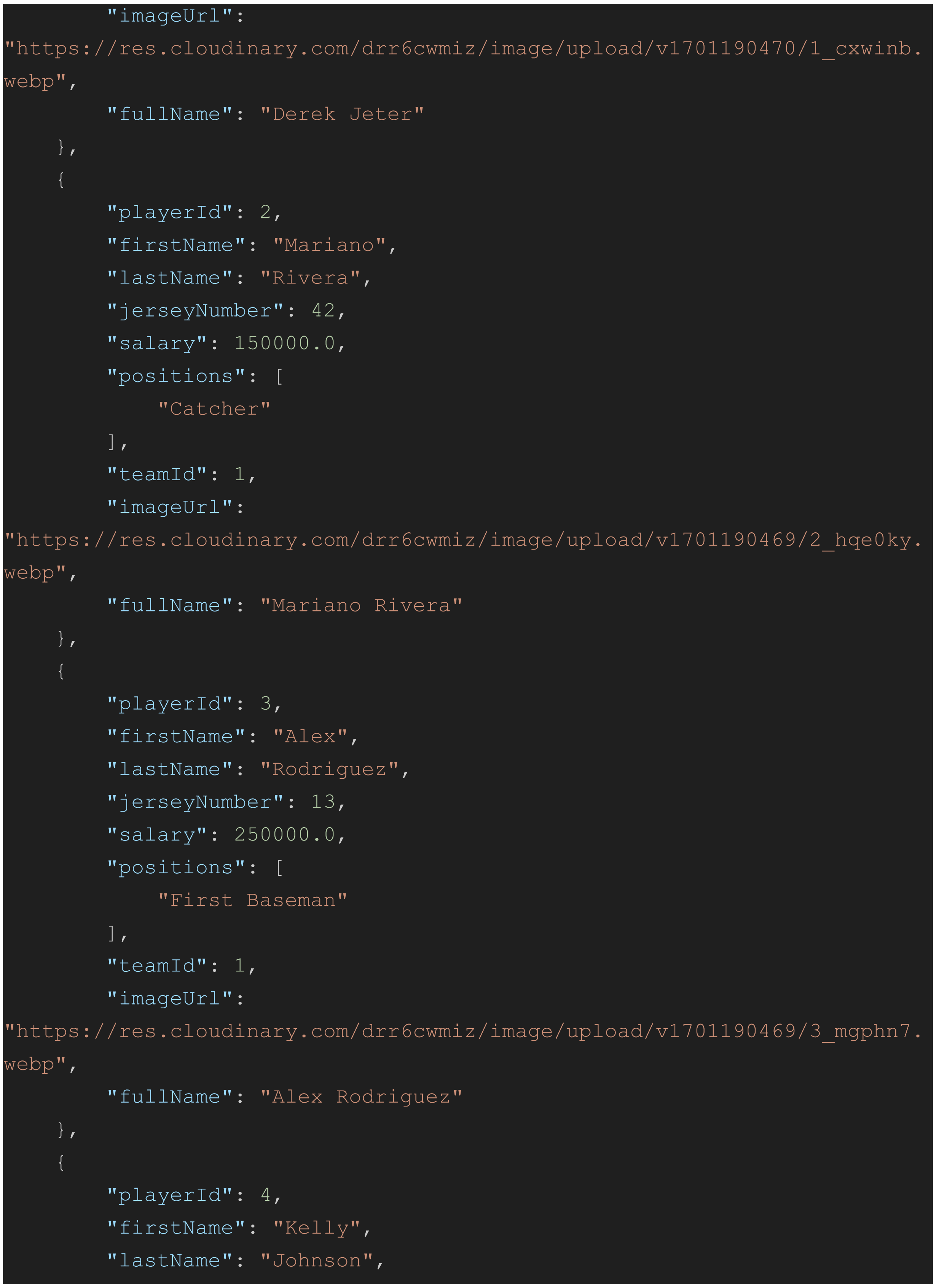
```
  {
    path: '/search',
    name: 'search',
    component: PlayerView
  }
```

STEP 13: update the router link in the header

```
<router-link v-bind:to="{ name: 'search' }">Search Players</router-link>
```

STEP 14: Add temporary data to the Vuex Store. (This will come from web service on another day)

```
    players:
[
    {
        "playerId": 1,
        "firstName": "Derek",
        "lastName": "Jeter",
        "jerseyNumber": 2,
        "salary": 220000.0,
        "positions": [
            "Pitcher"
        ],
        "teamId": 1,
```

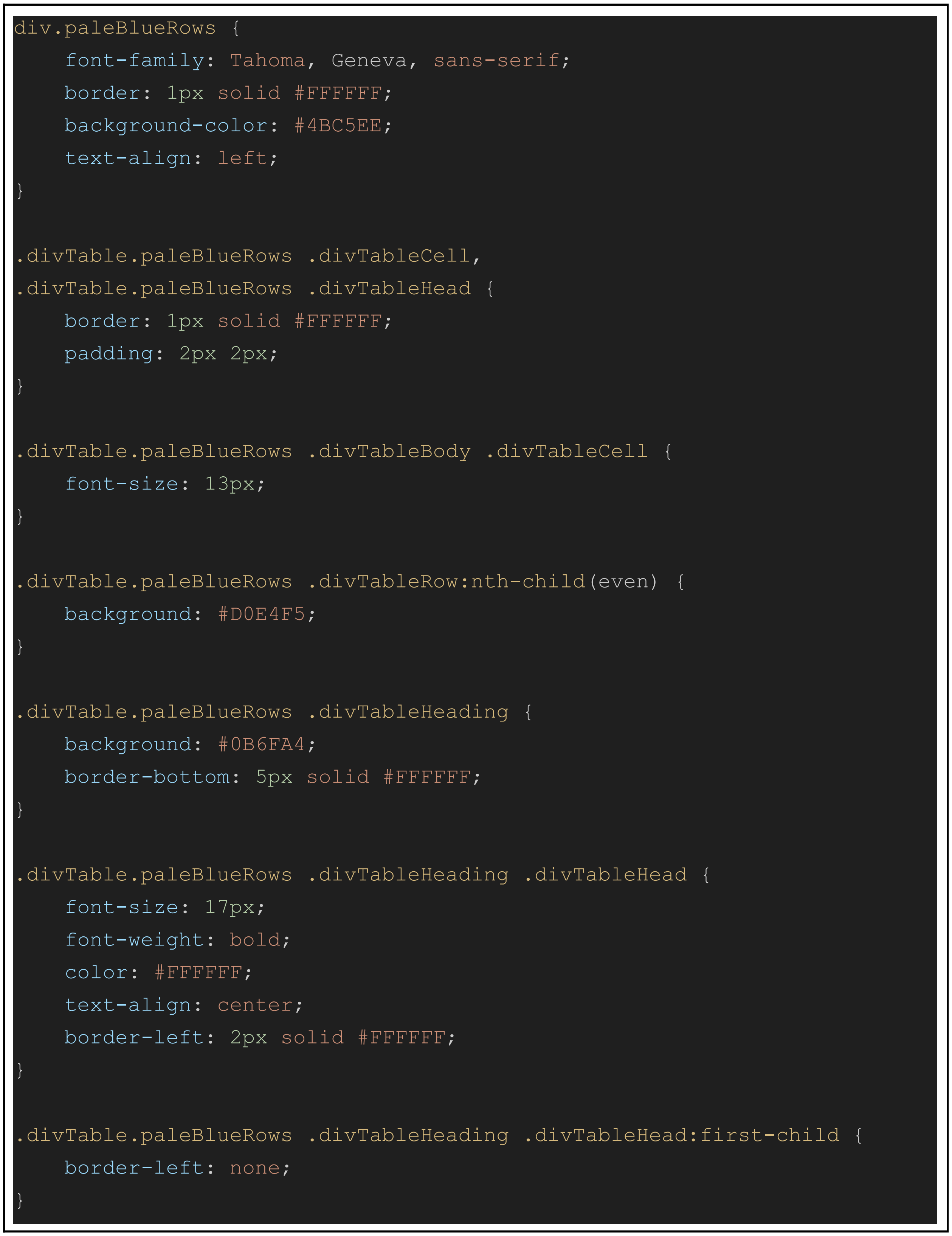


```
        "imageUrl":
"https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190470/1_cxwinb.
webp",
        "fullName": "Derek Jeter"
    },
    {
        "playerId": 2,
        "firstName": "Mariano",
        "lastName": "Rivera",
        "jerseyNumber": 42,
        "salary": 150000.0,
        "positions": [
            "Catcher"
        ],
        "teamId": 1,
        "imageUrl":
"https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/2_hqe0ky.
webp",
        "fullName": "Mariano Rivera"
    },
    {
        "playerId": 3,
        "firstName": "Alex",
        "lastName": "Rodriguez",
        "jerseyNumber": 13,
        "salary": 250000.0,
        "positions": [
            "First Baseman"
        ],
        "teamId": 1,
        "imageUrl":
"https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/3_mgphn7.
webp",
        "fullName": "Alex Rodriguez"
    },
    {
        "playerId": 4,
        "firstName": "Kelly",
        "lastName": "Johnson",
        "jerseyNumber": 3,
        "salary": 1991000.0,
        "positions": [
            "Second Baseman"
        ],
        "teamId": 1,
        "imageUrl":
"https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/5_dm97cw.
webp",
        "fullName": "Kelly Johnson"
    },
    {
        "playerId": 5,
        "firstName": "Babe",
        "lastName": "Ruth",
        "jerseyNumber": 4,
        "salary": 800000.0,
        "positions": [
            "Shortstop"
        ],
        "teamId": 1,
        "imageUrl":
"https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/6_mdkfoj.
webp",
        "fullName": "Babe Ruth"
    },
    {
        "playerId": 6,
        "firstName": "Natalie",
        "lastName": "Smith",
        "jerseyNumber": 19,
        "salary": 1800000.0,
        "positions": [
            "Outfielder"
        ],
        "teamId": 1,
        "imageUrl":
"https://res.cloudinary.com/drr6cwmiz/image/upload/v1701190469/7_omvz9t.
webp",
        "fullName": "Natalie Smith"
    }
]
```

STEP 15: Build and style the basic data table skeleton

https://divtable.com/table-styler/

```
        <div class="divTable paleBlueRows">
            <div class="divTableHeading">
                <div class="divTableRow">
                    <div class="divTableHead">head1</div>
                    <div class="divTableHead">head2</div>
                    <div class="divTableHead">head3</div>
                    <div class="divTableHead">head4</div>
                    <div class="divTableHead">head5</div>
                    <div class="divTableHead">head6</div>
                </div>
            </div>
            <div class="divTableBody">
                <div class="divTableRow">
                    <div class="divTableCell">cell1_1</div>
                    <div class="divTableCell">cell2_1</div>
                    <div class="divTableCell">cell3_1</div>
                    <div class="divTableCell">cell4_1</div>
                    <div class="divTableCell">cell5_1</div>
                    <div class="divTableCell">cell6_1</div>
                </div>
            </div>
        </div>
```



```css
div.paleBlueRows {
    font-family: Tahoma, Geneva, sans-serif;
    border: 1px solid #FFFFFF;
    background-color: #4BC5EE;
    text-align: left;
}

.divTable.paleBlueRows .divTableCell,
.divTable.paleBlueRows .divTableHead {
    border: 1px solid #FFFFFF;
    padding: 2px 2px;
}

.divTable.paleBlueRows .divTableBody .divTableCell {
    font-size: 13px;
}

.divTable.paleBlueRows .divTableRow:nth-child(even) {
    background: #D0E4F5;
}

.divTable.paleBlueRows .divTableHeading {
    background: #0B6FA4;
    border-bottom: 5px solid #FFFFFF;
}

.divTable.paleBlueRows .divTableHeading .divTableHead {
    font-size: 17px;
    font-weight: bold;
    color: #FFFFFF;
    text-align: center;
    border-left: 2px solid #FFFFFF;
}

.divTable.paleBlueRows .divTableHeading .divTableHead:first-child {
    border-left: none;
}
```

```css
.paleBlueRows .tableFootStyle {
    font-size: 14px;
}

/* DivTable.com */
.divTable {
    display: table;
}

.divTableRow {
    display: table-row;
}

.divTableHeading {
    display: table-header-group;
}

.divTableCell,
.divTableHead {
    display: table-cell;
}

.divTableHeading {
    display: table-header-group;
}

.divTableFoot {
    display: table-footer-group;
}

.divTableBody {
    display: table-row-group;
}
```

STEP 16: Add a computed property to pull data

```
    computed: {
        filteredPlayers() {
            const players = this.$store.state.players;
            //todo add filtering later
            return players;
        }
    }
```

STEP 17: Add a v-for to display the correct number of rows

```
            <div class="divTableBody">
                <div class="divTableRow" v-for="player in
filteredPlayers" v-bind:key="player.playerId">
                    <div class="divTableCell">cell1_1</div>
                    <div class="divTableCell">cell2_1</div>
                    <div class="divTableCell">cell3_1</div>
                    <div class="divTableCell">cell4_1</div>
                    <div class="divTableCell">cell5_1</div>
                    <div class="divTableCell">cell6_1</div>
                </div>
            </div>
```

STEP 18: Update the column headers and bind the data

```
                <div class="divTableRow">
```

```
                    <div class="divTableHead">Picture</div>
                    <div class="divTableHead">Jersey Number</div>
                    <div class="divTableHead">Full Name</div>
                    <div class="divTableHead">Position</div>
                    <div class="divTableHead">Salary</div>
                    <div class="divTableHead">Stats</div>
                </div>
```

```
            <div class="divTableBody">
                <div class="divTableRow" v-for="player in filteredPlayers"
v-bind:key="player.playerId">
                    <div class="divTableCell">
                        <img id="thumbnail" :src="player.imageURL" alt="">
                    </div>
                    <div class="divTableCell">{{ player.jerseyNumber }}</div>
                    <div class="divTableCell">{{ player.fullName }}</div>
                    <div class="divTableCell">{{ player.positions[0] }}</div>
                    <div class="divTableCell">{{ player.salary }}</div>
                    <div class="divTableCell">coming soon</div>
                </div>
            </div>
```

```

#thumbnail {
    width: 100px;
    height: auto;
}
```

STEP 19: Add a search box and filter to filter the player list

First, we need to add a data property to hold the value in the search

```
    data() {
        return {
            nameFilter: ""
        }
    },
```

Next, we add the form to the template:

```
        <div id="searchPlayer">
            <label for="">Search Player</label>
            <input type="text" name="playerName" v-model="nameFilter" />
        </div>
```

After testing to see if the data is being two-way data-binded in the Vue tools extension, we now modify the filteredPlayers function to use the nameFilter

```
        filteredPlayers() {
            const players = this.$store.state.players;

            return players.filter( player => {
                return this.nameFilter == '' ? true :
player.fullName.includes(this.nameFilter);
            })
        }
```

STEP 20: Final CSS clean up

```
input[type=text] {
    margin: 10px;
    width: 20%;
    padding: 8px 16px;
    border: 2px solid green;
    border-radius: 5px;
}
```