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Midterm Writeup CS 441

This semester, I grouped up with some amazing people that I have worked with before in other classes. We came up with the idea to do a simple cocktail and meal recipe app. I wanted to share my app development knowledge with the group, and teach them something they hadn't done before, so we decided to build a web app using html, css, javascript, and a wrapper called cordova. So far, I have learned how to work in a group with other people, as I have generally worked on all of my projects alone in the past. I have been learning to hand out tasks, instead of trying to do everything myself. Initially, we were planning on implementing an account system, so we could have the user add recipes, save recipes to favorites list, add a functionality to add items from the recipe to a shopping list, and rate recipes other users have posted. Unfortunately, this semester handed us all a lot more than we were expecting and we had to simplify our end product.

The second week of class, after establishing our group, we decided who would work on front end content, front end programming, program management, and backend development. Ace, Michael, Kaitlyn and Eric worked on the back end, while Chris and Jasmine worked on recipes, graphics and icons for the app. Eric and I were responsible for all the front end code.

Before we began building the project, we all discussed what sort of app we wanted to build and how we would build it. I have experience building mobile apps using cordova before, and since web based programming is not a required programming course for computer science majors, the group seemed eager to want to learn this process. The project began with me creating a cordova project in Webstorm, and creating a github repository. The first page I worked on in the project was initially a google login page, but we decided to remove that functionality, as we couldn't build in all the fun features we wanted to. Once we moved away from the idea of having users with accounts, I built the slider that opens up when you run the app (all the html and javascript to make it work).

When the user opens our app they have an option to choose between cocktail recipes, or food recipes. To pick, they simply have to swipe either right or left. Depending on the direction swiped, a new page will load with recipe cards for beverages. This is pulled randomly from the database that the back end team worked on. When the user clicks on the recipe cards, a new page loads, displaying the entire recipe.

Next, I plan on going through all the code that Eric and I have written for the front end and cleaning it up, documenting it, and possibly refactoring it to make it shorts and more efficient. The beginning code, including what I had written for the login. I left this here in case we decided to implement it again in the future. If we were to continue building this app I would definitely put the user accounts back in, add the ability to create, rate, favorite recipes, add ingredients directly from the recipe to a shopping list, add a calendar for meal planning, and a way to track what you eat each day. It was our idea in the beginning to make an overly complicated app for the time and responsibilities we all had during the semester.

Html:

```html
<!DOCTYPE html>
<html>
    <head>
        <meta name="format-detection" content="telephone=no">
        <meta name="msapplication-tap-highlight" content="no">
        <!--    <meta name="google-signin-scope" content="profile email">-->
        <!--    <meta name="google-signin-client_id" content="667199072525-h7t5lh3t13fdbg2p8mn7huhed9fkj3tp.apps.googleusercontent.com">-->
        <meta name="viewport" content="initial-scale=1, width=device-width, viewport-fit=cover">
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous">
        <link rel="stylesheet" type="text/css" href="css/all.min.css">
        <link rel="stylesheet" type="text/css" href="css/index.css">
        <link rel="stylesheet" href="https://cdn.jsdelivr.net/bxslider/4.2.12/jquery.bxslider.css">
        <title>Fud</title>
    </head>
    <body>
        <div class="app">
            <nav class="navbar navbar-expand-lg">
                <ul class="nav nav-justified">
                    <li class="nav-item" id="home-icon"><a href="#page-index" class="fas fa-home"></a></li>
                    <li class="nav-item"><input class="form-control mr-sm-2" type="search" placeholder="Moscow Mule" aria-label="Moscow Mule"></li>
                    <li class="nav-item"><button class="btn btn-outline-success my-2 my-sm-0" type="submit"><i class="fa fa-fw fa-search"></i></button></li>
                </ul>
            </nav>
            <!--LOGIN PAGE-->
<!--            <div id="page-login" class="page">-->
<!--                <div id="login-container">-->
<!--                    <picture>-->
<!--                        <img src="img/martiniGlassLogo.png" id="logo">-->
<!--                    </picture>-->
<!--&lt;!&ndash;                <div class="my-signin2"></div>&ndash;&gt;-->
<!--                </div>-->
<!--            </div>-->

            <!--HOME SCREEN-->
            <div id="page-index" class="page">
                <div id="page-index" class="page">
                    <div class="bxslider">
                        <div><img src="img/cocktailCake.png"></div>
                        <div><img src="img/swipe.png"></div>
                        <div><img src="img/cake.png"></div>
                    </div>
                </div>
            </div>

            <script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>
            <script src="https://cdn.jsdelivr.net/bxslider/4.2.12/jquery.bxslider.min.js"></script>
<!--            <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js" integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1" crossorigin="anonymous"></script>-->
            <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js" integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM" crossorigin="anonymous"></script>
            <script src="https://apis.google.com/js/platform.js" async defer></script>
            <script type="text/javascript" src="js/index.js"></script>
        </div>
    </body>
</html>
```

javascript:

```javascript
$(document).ready(function () {
    // checkIfLoggedIn();
    // var googleButton = $("#my-signin2");

    // Check if the user is already logged in
    // function checkIfLoggedIn()
    // {
    //     // If they are not logged in, then log the user in
    //     if(sessionStorage.getItem('myUserEntity') === null){
    //         //Redirect to login page, no user entity available in sessionStorage
    //         signIn();
    //     } else {
    //         showPage("home");
    //         //User already logged in, direct to index
    //         var userEntity = {};
    //         userEntity = JSON.parse(sessionStorage.getItem('myUserEntity'));
    //     }
    // }

    // The ID token you need to pass to your backend:
    // var id_token = googleUser.getAuthResponse().id_token;
    // console.log("ID Token: " + id_token);
    //
    // function onSuccess(googleUser) {
    //     console.log('Logged in as: ' + googleUser.getBasicProfile().getName());
    //     showPage("home");
    // }
    // function onFailure(error) {
    //     console.log(error);
    // }
    // function renderButton() {
    //     gapi.signin2.render(googleButton, {
    //         'scope': 'profile email',
    //         'width': 240,
    //         'height': 50,
```

```
37    //          'theme': 'dark',
38    //          'onsuccess': onSuccess,
39    //          'onfailure': onFailure
40    //      });
41    // }
42
43    // Controls the Slider for food/drink items
44    $('.bxslider').bxSlider({
45        startSlide: 1,
46        auto: false,
47        autoControls: false,
48        stopAutoOnClick: true,
49        pager: false,
50        // slideWidth: 600
51    }).onSlideAfter(function (el, oldSlide, newSlide) {
52        console.log("new slide: " + newSlide);
53    });
54
55    // function signOut() {
56    //      var auth2 = gapi.auth2.getAuthInstance();
57    //
58    //      auth2.signOut().then(function () {
59    //          console.log('User signed out.');
60    //      });
61    // }
62
63    function showPage(page) {
64        $(".page").hide();
65        $("#page-" + page).show();
66
67        if (page !== "index") {
68            $(".navbar").show();
69        }
70    }
71  });
```

Css:

```css
/*COLORS: (in the order they appear in the image)
#ecebd7
#afd9c3
#6ead9c
#517c72
#6caebc
#b8dfdc
*/


@font-face {
    font-family: poiret;
    src: local("assets/fonts/PoiretOne-Regular.ttf");
}

.class-myfont {
    font-family: poiret, Arial, serif;
}

* {
    -webkit-tap-highlight-color: rgba(0,0,0,0); /* make transparent link selection, adjust last value opacity 0 to 1.0 */
}

body {
    -webkit-touch-callout: none;                /* prevent callout to copy image, etc when tap to hold */
    -webkit-text-size-adjust: none;             /* prevent webkit from resizing text to fit */
    -webkit-user-select: none;                  /* prevent copy paste, to allow, change 'none' to 'text' */
    background-color: #afd9c3;
    font-family: system-ui, -apple-system, -apple-system-font, 'Segoe UI', 'Roboto', sans-serif;
    font-size:12px;
    height:100vh;
    margin:0px;
    padding:0px;
    text-transform:uppercase;
    width:100%;
}
```

```css
/* Portrait layout (default) */
.app {
    background:#afd9c3; /* 170px x 200px */
    position:absolute;                 /* position in the center of the screen */
    height:50px;                       /* text area height */
    width:100%;                    /* text area width */
    text-align:center;
    /*margin:-115px 0px 0px -112px;  !* offset vertical: half of image height and text area height *!*/
    /*                               !* offset horizontal: half of text area width *!*/
}

/* Landscape layout (with min-width) */
@media screen and (min-aspect-ratio: 1/1) and (min-width:400px) {
    .app {
        background-position:left center;
        padding:75px 0px 75px 170px;  /* padding-top + padding-bottom + text area = image height */
        margin:-90px 0px 0px -198px;  /* offset vertical: half of image height */
                                      /* offset horizontal: half of image width and text area width */
    }
}

h1 {
    font-size:24px;
    font-weight:normal;
    margin:0px;
    overflow:visible;
    padding:0px;
    text-align:center;
```

```css
.event {
    border-radius:4px;
    -webkit-border-radius:4px;
    color:#FFFFFF;
    font-size:12px;
    margin:0px 30px;
    padding:2px 0px;
}

.event.listening {
    background-color:#333333;
    display:block;
}

.event.received {
    background-color:#4B946A;
    display:none;
}

@keyframes fade {
    from { opacity: 1.0; }
    50% { opacity: 0.4; }
    to { opacity: 1.0; }
}

@-webkit-keyframes fade {
    from { opacity: 1.0; }
    50% { opacity: 0.4; }
    to { opacity: 1.0; }
}
```

```css
/****BEGIN NAVBAR STYLING****/
.navbar {
    text-align: left;
    padding: 0;
    height: 70px;
    background: #6ead9c;
    border-bottom: 1px solid #ecebd7;
    margin-bottom: 0;
    display: inline;
}

.nav {
    display: -ms-flexbox;
    display: flex;
    -ms-flex-wrap: wrap;
    flex-wrap: wrap;
    padding-left: 0;
    margin-bottom: 0;
    list-style: none;
    height: 60px;
}

.nav-justified .nav-item {
    flex-basis: 1;
    flex-grow: 1;
    text-align: left;
}

.navbar-nav {
    color: #ecebd7;
    list-style-type: none;
    margin: 0;
    padding: 0;
}
```

```css
.navbar-nav>li>a {
    color: #ecebd7;
}

.navbar-nav .nav-link {
    padding-right: 0;
    padding-left: 30px;
}

li.nav-item {
    font-size: 14px;
    list-style: none;
    margin-top: 10px;
}

/*HOME ICON*/
#home-icon {
    margin-left: 15px;
}

.fa-home:before {
    content: "\f015";
    color: #517c72;
    font-size: xx-large;
}

a {
    margin-top: 5px;
}
```

```css
/*SEARCH BAR*/
.form-control {
    display: block;
    width: 155%;
    height: 35px;
    padding: 16.375rem -0.25rem;
    font-size: 1rem;
    font-weight: 400;
    line-height: 1.5;
    color: #495057;
    background-color: #F3FDF8;
    background-clip: padding-box;
    border: 1px solid #F3FDF8;
    border-radius: .25rem;
    transition: border-color .15s ease-in-out,box-shadow .15s ease-in-out;
    margin-bottom: 5px;
    margin-top: 6px;
}

/*SEARCH ICON*/
.fa-search:before {
    content: "\f002";
    font-size: xx-large;
    margin-left: 66px;
}
```

```css
190   .btn {
191       display: inline-block;
192       font-weight: 400;
193       color: #517c72;
194       text-align: center;
195       /* vertical-align: middle; */
196       -webkit-user-select: none;
197       -moz-user-select: none;
198       -ms-user-select: none;
199       user-select: none;
200       background-color: transparent;
201       border: 1px solid transparent;
202       /* padding: .375rem .75rem; */
203       font-size: 1rem;
204       line-height: 1.5;
205       /* border-radius: .25rem; */
206       transition: color .15s ease-in-out,background-color .15s ease-in-out,border-color .15s ease-in-out,box-shadow .15s ease-in-out;
207   }
208
209   .mb-2, .my-2 {
210       margin-bottom: 0!important;
211   }
212
213   .mt-2, .my-2 {
214       margin-top: 0!important;
215   }
216   /*****END NAVBAR STYLING*****/
```

```css
218   /*****BEGIN SLIDER STYLING*****/
219   .bx-viewport {
220       -moz-box-shadow: 0 0 5px #ccc;
221       -webkit-box-shadow: 0 0 5px #ccc;
222       box-shadow: 0 0 5px #ccc;
223       border: 5px solid #ecebd7;
224       background: #ecebd7;
225       height: 715px;
226   }
227
228   .bx-wrapper .bx-controls-direction a {
229       display: none;
230   }
231   /*****END SLIDER STYLING*****/
232
```