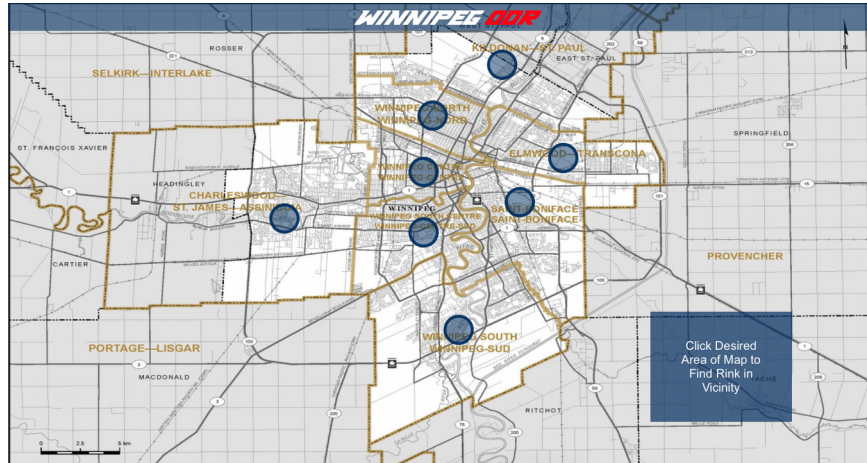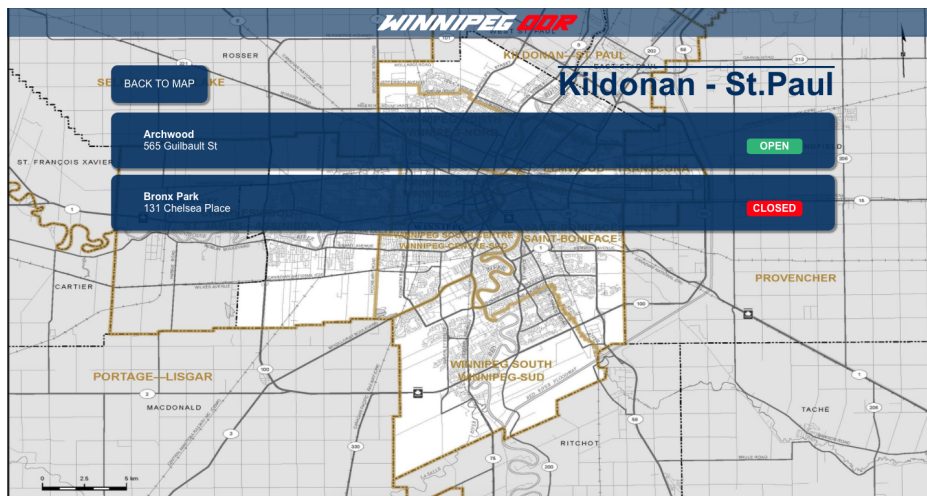# Milestone 3

Project Description

Build: Project was built using HTML5, CSS 3 and JavaScript. The HTML files include the Home Page (home.html), the Rink List Page (rinkList.html) and the Rink Page (rink.html).

The Home Page

Map is populated with bubbles which expand on hover to reveal the name of the area of the map. Users can then click on the name of the area and a list of the rinks in the area will pop up (go to rinkList.html). This was done by using a photo of the map as a background image, html to put the text for the names and css (css/style.css) to make the bubbles appear on page load and expand and reveal area name on mouse hover. CSS was also used to position the bubbles on the map as well as style the "WINNIPEG ODR" text at the top of the page.

The RinkList Page

The Rink List page is then dynamically populated by choosing the area via the rinkListPage.js script and loading the information corresponding to the rinks in the area via the rinkList.js script.

rinkListPage.js

```javascript
$(document).ready(function () {
    var rinkListHolder = $('#mainList');
    var region = window.location.hash.substring(1);

    switch (region)
    {
        case '0':
            $('#areaTitle').html('Kildonan - St.Paul');
            break;
        case '1':
            $('#areaTitle').html('Winnipeg North');
            break;
        case '2':
            $('#areaTitle').html('Winnipeg Center');
            break;
        case '3':
            $('#areaTitle').html('Winnipeg South');
            break;
        case '4':
            $('#areaTitle').html('Elmwood - Transona');
            break;
        case '5':
            $('#areaTitle').html('St. Boniface');
            break;
        case '6':
            $('#areaTitle').html('Charleswood - St. James');
            break;
        case '7':
            $('#areaTitle').html('Winnipeg South-Center');
            break;
        default:
            alert('Invalid region!');
            location.href='home.html';
    }

    for(i=0; i<rinkList[region].length; i++)
    {
        rinkListHolder.append('<div class="list-item" onclick="location.href=\'rink.html#' + rinkList[region][i][0] + '\'"> <div class="item-info"> <h4>' + rinkList[region][i][1] + '</h4><p>' +
rinkList[region][i][2] + '</p></div><div class="item-status" id="' + rinkList[region][i][3] +'"> <h3>' + rinkList[region][i][4] +'</h3></div></div>');
    }
});
```

rinkList.js

```javascript
var rinkList = [
    {
        //Kildonan - St.Paul
        ["0","Archwood","565 Guilbault St","open","OPEN"],
        ["1","Bronx Park","131 Chelsea Place","closed","CLOSED"]
    },
    {
        //Winnipeg North
        ["2","Garden City C.C.","725 Kingsbury Ave.","open","OPEN"] ,
        ["3","Maples C.C.","434 Adsum Dr.","closed","CLOSED"]
    },
    {
        //Winnipeg Center
        ["4","Fort Garry C.C.","880 Oakenwald St.","open","OPEN"],
        ["5","River Osborne C.C.","101 Pembina Hwy.","open","OPEN"]
    },
    {
        //Winnipeg South
        ["6","St. Norbert C.C.","3450 Pembina Hwy","closed","CLOSED"],
        ["7","Bison C.C.","356 Bison Ave.","open","OPEN"]
    },
    {
        //Elmwood - Transona
        ["8","Sir John Franklin C.C.","1 Sir John Franklin Rd.","open","OPEN"] ,
        ["9","South Transcona C.C.","124 Borden Ave.","open","OPEN"]
    },
    {
        //St. Boniface
        ["10","Morgan Satellite Site","305 Morgan Cres","open","OPEN"],
        ["11","Waverley Heights C.C.","1885 Chacellor Dr.","open","OPEN"]
    },
    {
        //Charleswood - St. James
        ["12","Bord-Aire","471 Hampton St.","open","OPEN"] ,
        ["13","Assiniboine West","861 Buchanan Boulevard","closed","CLOSED"]
    },
    {
        //Winnipeg South-Center
        ["14","Varsity View C.C.","315 Laxdal Rd.","open","OPEN"] ,
        ["15","Lord Roberts C.C.","725 Kylemore Ave.","closed","CLOSED"]
    }
];

/*
AMENITIES
    ["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"]
    ["img/HCI_Icons/skateTrail.png","Skating Trail","Rink includes a Skating Trail"]
    ["img/HCI_Icons/warmingHut.png","Hut","Rink includes a Warming Hut"]
    ["img/HCI_Icons/washRoom.png","Washroom","Rink includes a Washroom"]

AS HTML CODE
    <img id="change-room" src="img/HCI_Icons/changinRoom.png" alt="Change Room" title="Rink includes a Change Room">
    <img id="skate-trail" src="img/HCI_Icons/skateTrail.png" alt="Skating Trail" title="Rink includes a Skating Trail">
    <img id="warming-hut" src="img/HCI_Icons/warmingHut.png" alt="Hut" title="Rink includes a Warming Hut">
    <img id="wash-room" src="img/HCI_Icons/washRoom.png" alt="Washroom" title="Rink includes a Washroom">

Rink details... EXAMPLE (PLZ match the above ID to the blow ID to insure ou are matching the rinks)
[ ID# , NAME , ADRESS , ICEQUALITY/5 , RATING/5 , [AMENITIES [copy the code from above] , [as many as needed] ] ]
*/
var rinkDetails = [
    ["0","OPEN","Archwood","565 Guilbault St","4","5",[["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"],["img/HCI_Icons/skateTrail.png","Skating Trail","Rink includes a Skating Trail"]]],
    ["1","CLOSED","Bronx Park","131 Chelsea Place","5","2",[["img/HCI_Icons/warmingHut.png","Hut","Rink includes a Warming Hut"],["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"]]],
    ["2","OPEN","Garden City","725 Kingsbury Ave.","3","4",[["img/HCI_Icons/warmingHut.png","Hut","Rink includes a Warming Hut"],["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"]]],
    ["3","CLOSED","Maples","434 Adsum Dr.","3","2",[["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"],["img/HCI_Icons/skateTrail.png","Skating Trail","Rink includes a Skating Trail"]]],
    ["4","OPEN","Fort Garry","880 Oakenwald St.","3","3",[["img/HCI_Icons/warmingHut.png","Hut","Rink includes a Warming Hut"],["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"]]],
    ["5","OPEN","River Osborne","101 Pembina Hwy.","1","2",[["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"],["img/HCI_Icons/skateTrail.png","Skating Trail","Rink includes a Skating Trail"]]],
    ["6","CLOSED","St. Norbert","3450 Pembina Hwy","1","2",[["img/HCI_Icons/washRoom.png","Washroom","Rink includes a Washroom"],["img/HCI_Icons/warmingHut.png","Hut","Rink includes a Warming Hut"]]],
    ["7","OPEN","Bison","356 Bison Ave.","4","4",[["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"],["img/HCI_Icons/skateTrail.png","Skating Trail","Rink includes a Skating Trail"]]],
    ["8","OPEN","Sir John Franklin","1 Sir John Franklin Rd.","2","2",[["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"],["img/HCI_Icons/skateTrail.png","Skating Trail","Rink includes a Skating Trail"]]],
    ["9","OPEN","South Transcona","124 Borden Ave.","5","2",[["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"],["img/HCI_Icons/skateTrail.png","Skating Trail","Rink includes a Skating Trail"]]],
    ["10","OPEN","Morgan Satellite","305 Morgan Cres","5","5",[["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"],["img/HCI_Icons/skateTrail.png","Skating Trail","Rink includes a Skating Trail"]]],
    ["11","OPEN","Waverley Heights","1885 Chacellor Dr.","5","5",[["img/HCI_Icons/changinRoom.png","Change Room","Rink includes a Change Room"],["img/HCI_Icons/skateTrail.png","Skating Trail","Rink includes a Skating Trail"]]],
    ["12","OPEN","Bord-Aire","471 Hampton St.","5","5",[["img/HCI_Icons/skateTrail.png","Skating Trail","Rink includes a Skating Trail"],["img/HCI_Icons/washRoom.png","Washroom","Rink includes a Washroom"]]],
    ["13","CLOSED","Assiniboine West","861 Buchanan Boulevard","3","3",[["img/HCI_Icons/washRoom.png","Washroom","Rink includes a Washroom"],["img/HCI_Icons/warmingHut.png","Hut","Rink includes a Warming Hut"]]],
    ["14","OPEN","Varsity View","315 Laxdal Rd.","5","5",[["img/HCI_Icons/washRoom.png","Washroom","Rink includes a Washroom"],["img/HCI_Icons/warmingHut.png","Hut","Rink includes a Warming Hut"]]],
    ["15","CLOSED","Lord Roberts","725 Kylemore Ave.","4","3",[["img/HCI_Icons/washRoom.png","Washroom","Rink includes a Washroom"],["img/HCI_Icons/warmingHut.png","Hut","Rink includes a Warming Hut"]]]
];

var rinkComments = [
    [["Billy","Great Spot"],["Playnich","Love coming here"],["Garret","Spent time with the family today"]],
    [["Jean","Come here every week"],["Garet","Played a little puck today"]],
    [["IsNot","Annual BBq here was a success"],["Frank","Went here with Garet"],["John","Love the heated shack"]],
    [["MyLover","Oh baby great location"],["Snitty","Free Powerades in the Shack"],["Aport","Thumbs Up"]],
    [["ShesJust","Came with the girl friend"],["Name","Such Rink"]],
    [["AGirl","I like rink"],["lion","Much rink"],["NAME","COMMENT"]],
    [["Because","comment:sweet spot"],["Doge","Rink Great"]],
    [["IAn","I like rink"],["Jude","The place to be"],["Metallica","Rockin on the rink"]],
    [["TheOne","<3 rink"],["DaBoys","connel was here"],["Jansen","hardel went with connel"]],
    [["ShesJust","Came with the girl friend"],["Name","Such Rink"]],
    [["AGirl","I like rink"],["lion","Much rink"],["NAME","COMMENT"]],
    [["Because","comment:sweet spot"],["Doge","Rink Great"]],
    [["IAn","I like rink"],["Jude","The place to be"],["Metallica","Rockin on the rink"]],
    [["TheOne","<3 rink"],["DaBoys","connel was here"],["Jansen","hardel went with connel"]],
    [["Billy","Great Spot"],["Playnich","Love coming here"],["Garret","Spent time with the family today"]],
    [["Jean","Come here every week"],["Garet","Played a little puck today"]]
];
```
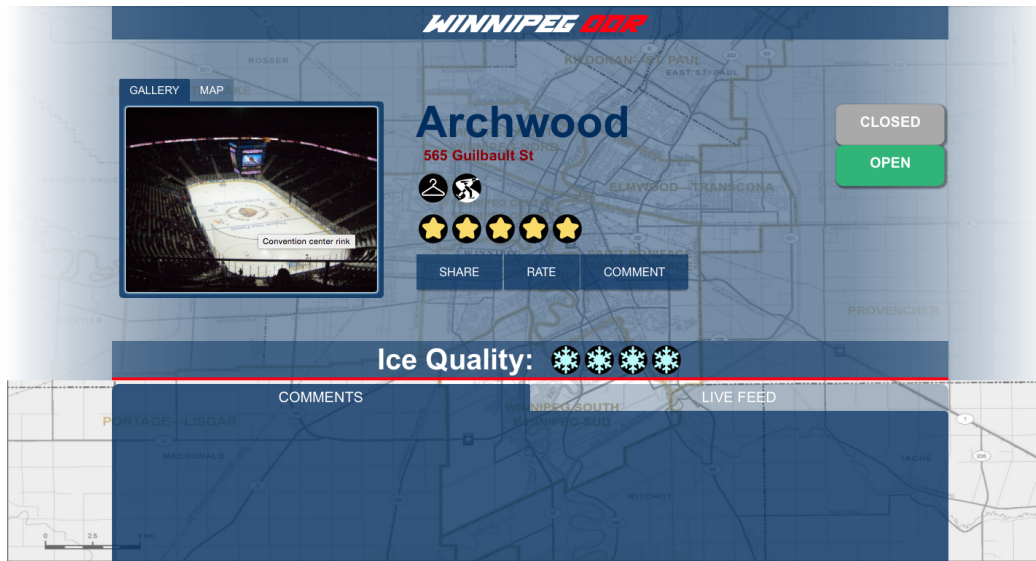
The rinkList pages are called via rinkListPage.js using a switch statement. Each case of said switch statement corresponds to an area of the map. It then populates the list by calling the information for all the rinks in the area via appending the information to the linkListHolder from the rinkList array in rinkList.js. In terms of design, the button elements were made using css (css/style.css) with the Winnipeg map still being used as the background image. The user clicks on one of the rinks that show up and it goes on the next page (page seen below).

The Rink Page

The rink page is dynamically populated using the rinkInformation.js and rinkList.js scripts. In the rinkInformation.js script, append calls from the various variables to the rinkDetails array in rinkList.js are used to add the corresponding information for the current rink and push it to update the information stored in the rink.html page.

For the rating system we used a button to cause a pop-up window to appear. In this window we displayed the icons for ratings and ice rating along with text explaining what each rating level means. We used .hover functions in rinkInform.js to show rating levels and highlight the corresponding rating explaination. We then use .click functions to store the star rating value and ice rating value, and send them to the rinkDetails array in rinkList.js thus updating the number of stars and snowflakes corresponding to the ratings for that page.

For the commenting system, we also used a pop-up window. In this window we had input boxes for name and comment, and a post button. When clicked, the post button calls the append function on the inkComments array in rinkList , which the updates the comment section adding the new comment to the
comment section.
Design,-wise the layout was created using a custom grid structure (can be found in css/structure.css) and various stylings in css/style.css which allowed for the reveal of the meanings of various elements on hover. These stylings were also used to set the background image to the map of Winnipeg and set the colors, opacity and positioning for all the elements on the page.

Known Issues / Bugs

- Map shown on Rink page does not show location of actual rink. Location is hard coded.

- Comments, Ratings and Ice Rating are "stubbed" and disappear on page reload.

Project Testing Instructions

- Note: Should be able to run in any modern browser (Tested on Chrome & Safari).

- Open home.html to begin testing site