Run Microsoft SQL Server Studio and Visual Studio. Check connection string in DAL. Test functionality. Start logged out on Home page, browser off screen. Webcam on. Add Kathryn’s API key to make Google’s API work.

KATHRYN

I was looking for something to do. I thought, during these times, it would be nice to check out what the parks around me had to offer and after doing some searching, I found there wasn’t anything that made it easy to do what I wanted:

(pause)

Let me see a list of recreational activities and which parks have those activities.

Share screen of running app.

KATHRYN

We call it *Rec’d It*.

Using this app allows a user to choose an activity found in parks and then see where they are in relation to that park.

(pause)

We decided to start in Michigan, since we have quite a few parks here that offer a ton of things to do.

Click an activity, show that it populates the activity list.

KATHRYN

By clicking an activity, any park that has that activity is now listed for a user to scroll though and click on.

Click an activity that only has one result.

KATHRYN

Some activities are pretty sparce.

Click an activity that has enough results to scroll through.

KATHRYN

While some activities have a lot of options. And by clicking on one of the results, I can get more information.

Click a result in the activities.

KATHRYN

All of these parks have provided their own information including descriptions to help people learn about them.

Scroll through the description slowly. Stop at the bottom where email and phone numbers are shown.

KATHRYN

A few also have email addresses or phone numbers to contact them if you have questions.

Click off the result to close the window.

KATHRYN

And if a description isn’t enticing enough, I can go back to the results and choose another.

Click a different result.

KATHRYN

Sometimes seeing the list of items isn’t really helpful if I’m not familiar with the parks in the list.

TYLER shares screen of his running app.

TYLER

And that’s where the map can help. In addition to giving us a nice description, the parks have provided their locations in latitude and longitude. In using the Google maps API, we can take those locations when a user clicks an activity…

Click an activity on the left list

TYLER

…and update the map to show where each park in the results is on the map.

Click another activity with a lot of results.

TYLER

Clicking other activities updates the map with the results locations. Now that I can see the map, I can decide how close or far I would like to travel to do an activity and find click on a park in the map.

Click a pin on the map.

TYLER

Clicking the pin will show me the park name and my going back to the search results…

Type park name in search results.

TYLER

…I can now narrow down this list to get the park I’m in interested in and read about it.

Click on park name and scroll through the description.

TYLER

Doing this, I can get a good idea of what my options are for parks close to me or far away.

Click on an activity with results in the Upper Peninsula. Then click on a pin in the U.P.

TYLER

I may find some results that I want to remember for later.

DAVE G shares screen of his running app.

DAVE G

So a user can create a login…

Click on Login button, navigate to Login screen.

DAVE G

Or log in if they already have created a log in.

Fill in all fields to create a new user.

DAVE G

Once I have completed all these fields, I will be logged in and now I have new options.

Click an activity.

DAVE G

Now, when I click an activity, I see a list of results with a heart next to each result.

Click a result.

DAVE G

If I read through and this is something I want to remember for later, I can add it to my Favorites.

Click a heart.

DAVE G

The red heart shows which I have added to my favorites. Clicking it again can remove it if I choose.

Click several items to add to Favorites.

DAVE G

Now I can go to my page, where my favorites are kept…

Click the Users Page button.

DAVE G

…and I can see all of my favorite locations and the activity I chose when I added them to my favorites.

(pause)

From here, I can see my favorites and visually plan out some activities that I want to do. And if I decide I want to narrow down my list to things I want to do over a week…

Click a favorite to remove it.

DAVE G

Since I’m not a digital hoarder, I can remove everything except the results I want. And if I log out and log back in, my favorites are right there waiting for me.

DAVE H shares screen of browser on https://ridb.recreation.gov/.

DAVE H

First of all, we want to give credit to Recreation.gov for creating the RIDB National Parks database and API that allows parks themselves to create an entry and update the information as the need.

Navigate back to running app in browser.

DAVE H

We were able to access the RIDB database and retrieve information for parks across the US, even though we narrowed this project down to just Michigan parks.

Because we all know public database data can be… sketchy…

(pause)

We choose to duplicate the data from RIDB so we could filter things out like…

Click Activity and location that has 0/0 lat/long.

DAVE H

0’s in latitude and longitude or…

Click Cross Country Skiing, then click Pictured Rocks

DAVE H

Sometimes people take liberties on fields like…

Scroll down to the bottom where phone number is shown.

DAVE H

Phone numbers.

Read additional information in “Phone” field.

(pause)

Navigate to Login screen

DAVE H

We created a table that stores this user information so that we can use it to log in and out and store favorites.

Navigate back to home screen

DAVE H

Most of our components on the home page rely on the tables we created passing or reading information back and forth.

We have the ability to quickly expand this to encompass the entire US.