Problem Statement

The problem that this application will solve is the need-to-know weather forecasts for local golf courses within a given radius. This app should pull up all golf courses within a certain square mileage and display the weather forecasts for the next 6 hours. For people who want to travel to new golf courses, it would be helpful to get a list of all your options as well as know if it will rain in that location in the next 6 hours. This will save people time, gas, and wasted time.

User Stories

MVP Wants

As a User, I need to be able to search for local golf courses without signing in

As a User, I need this program to access my location so that I can search from anywhere I might be

As a User, I need to be able to search a radius of 50 miles

As a User, I need to be able to search a radius of 100 miles

As a User, I need to be able to search a radius of 150 miles

As a User, I need to be able to sign up as a permanent user so that I can save golf courses to my profile

As a User, I need a password so that I can securely log into my profile

As a User, I need to at least save my ZIP code so that I can search from home

As a User, I need to be able to update my profile information

As a User, I need to be able to delete saved golf courses from my profile’s ‘favorites’ section

As a User, I need to be able to see the 6-hour weather forecast of every location I am searching for

As a User, I need to be able to click on a business and get sent to their Google Listing

As a User, I want to be able to search different businesses other than golf courses

As a User, I want to be able to click on a business that I have searched, get sent to a new page, and view a more detailed list of information for said business

As a User, I want to be able to click a button to call the business

As a User, I want to be able to click a button to get directions to the business

Project Plan

**Weeks 1-4**

* Set up Project structure and push to GitHub
* Create home page, sign in, and signup JSP pages for future implementation
* Create Database for project
* Create User table for project

**Weeks 5-7**

* Implement CRUD ability for users and database using DAO and DAO implementation classes using Hibernate
* Implement Unit testing with fully passable unit tests for DAO
* Log4J fully implemented and used in at least DAO related classes and activities

**Weeks 8-9**

* Deploy application to AWS
* Have at least the user profile JSP display user data from the database
* Implement Login capability with authentication

**Weeks 10-14**

* Implement the ability for anyone to search for local golf courses within a certain radius
* Implement the 6-hour weather forecast to show on every golf course searched for
* Implement the ability for a signed-in user to save a golf course to their ‘Favorites’ in their ‘Favorites’ page

**Weeks 15-16**

* Finish Minimum Viable Product implementation if need be
* Stretch Goal: Implement a way for people to search for different types of businesses
* Add a “Call” button and a “Directions” button to every search result