

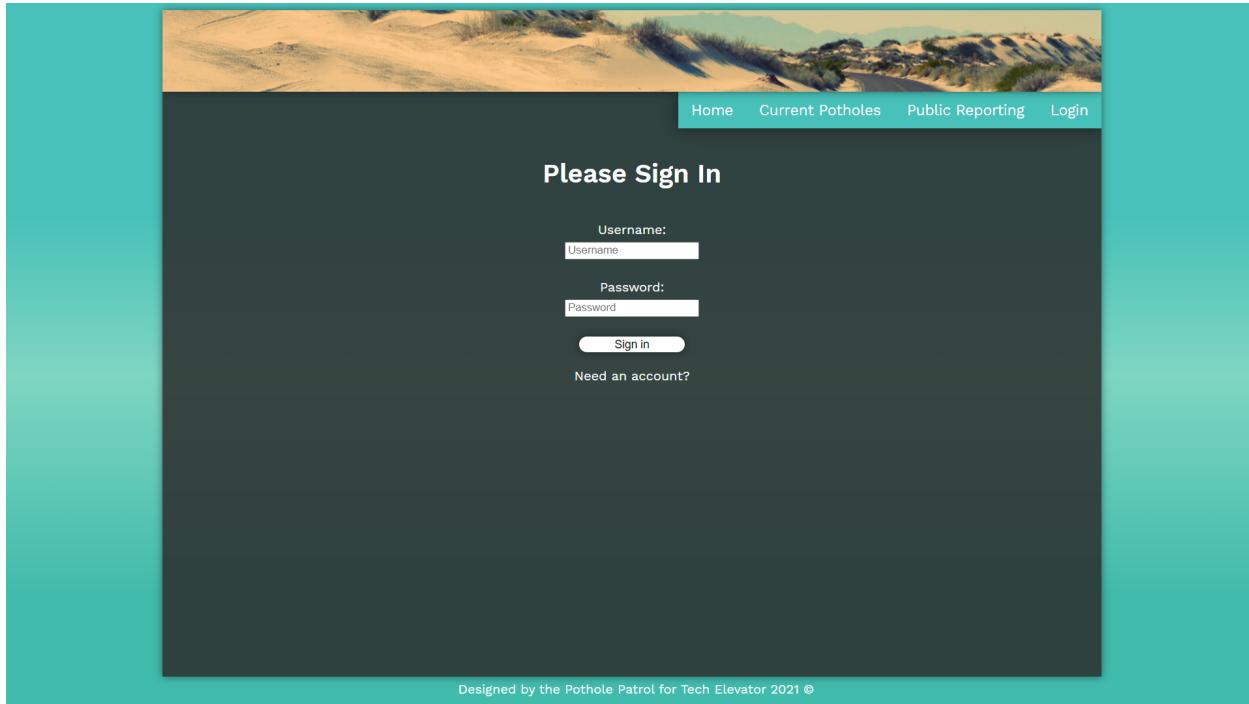
## Pothole Patrol App

Using Java, Spring, PostgreSQL, and Vue.js we built a fully functional web app that citizens and public works employees can use to track and address potholes in Philadelphia. Uses the Google Maps Javascript API, Google Geolocator API, Google Places API and emailJS plugin.

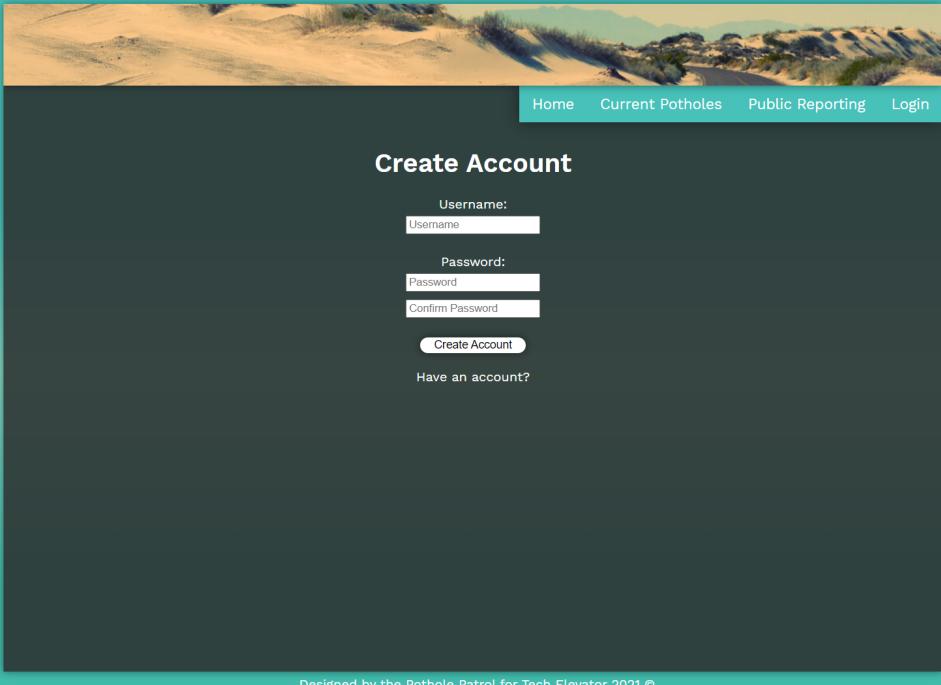
### **The following Node Module Packages are required for the project:**

```
npm install vue2-google-maps  
npm install emailjs-com --save  
npm install --save @pderas/vue2-geocoder  
npm install -g @vue/cli
```

### **Sign-In Page:**



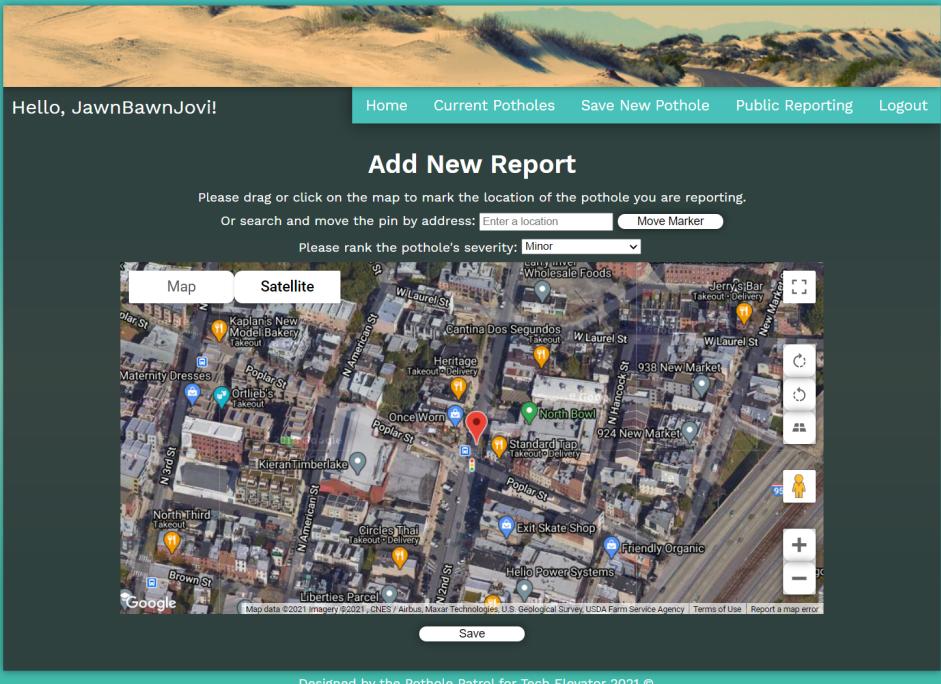
## Create Account Page:



The screenshot shows a dark-themed web page titled "Create Account". At the top, there is a navigation bar with links for "Home", "Current Potholes", "Public Reporting", and "Logout". Below the navigation bar, the main content area has a title "Create Account". It contains two input fields: "Username" and "Password", each with a corresponding label and a placeholder text box. There is also a "Confirm Password" field. A "Create Account" button is located below the password fields. At the bottom of the form, there is a link "Have an account?".

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## Add a Pothole Page (Registered Users & Employees)



The screenshot shows a dark-themed web page titled "Add New Report". At the top, there is a navigation bar with a user greeting "Hello, JawnBawnJovi!" and links for "Home", "Current Potholes", "Save New Pothole", "Public Reporting", and "Logout". Below the navigation bar, the main content area has a title "Add New Report". It includes instructions: "Please drag or click on the map to mark the location of the pothole you are reporting." and "Or search and move the pin by address: Enter a location  Move Marker". A dropdown menu allows users to "Please rank the pothole's severity: Minor". The central feature is a map showing a street view of a neighborhood with various businesses and landmarks labeled. A red marker is placed on the map, indicating the location of the pothole. At the bottom of the map, there is a "Save" button.

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## Public Reporting Page (All Users)

The City of Philadelphia has been hard at work repairing potholes.

With the help of the Pothole Patrol Reporting App, we have been able to complete the following work:

| Potholes Reported: | Potholes Scheduled For Inspection: | Potholes Scheduled For Repair: |
|--------------------|------------------------------------|--------------------------------|
| 11                 | 5                                  | 3                              |

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## Edit Pothole Report (Employee)

Hello, PublicWorks!

Edit Report #8

| Address:                                 | Date Reported:        | Reported By: | Status: |
|--|-----------------------|--------------|---------|
| 1023 Hamilton St, Philadelphia, PA 19123 | 4/12/2021, 9:18:10 AM | JawnBawnJovi | 1       |

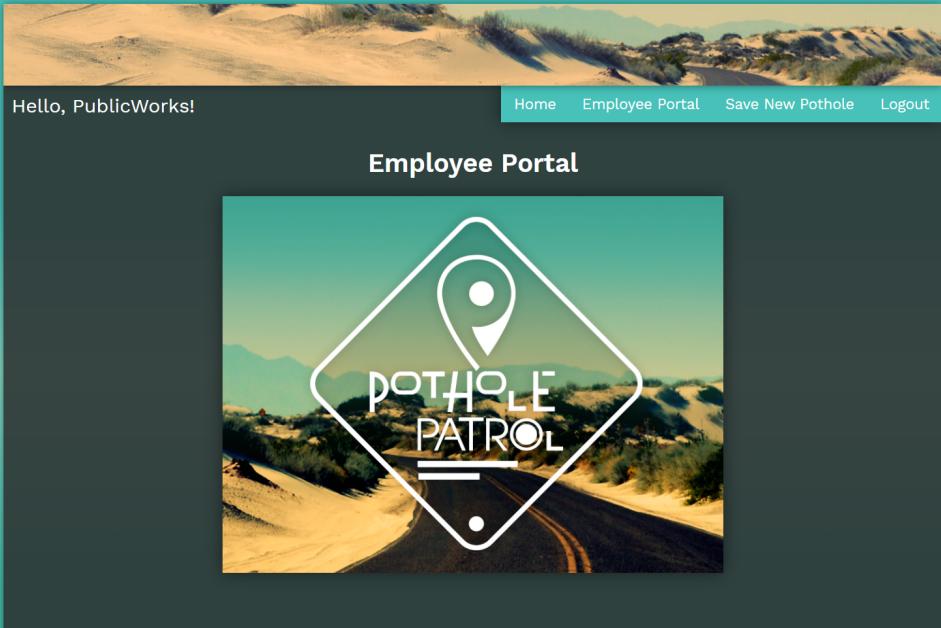
| Schedule For Inspection: | Schedule For Repair: | Change Severity:     | Change Status:       |
|--------------------------|----------------------|----------------------|----------------------|
| <input type="text"/>     | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Update      Delete

Map      Satellite

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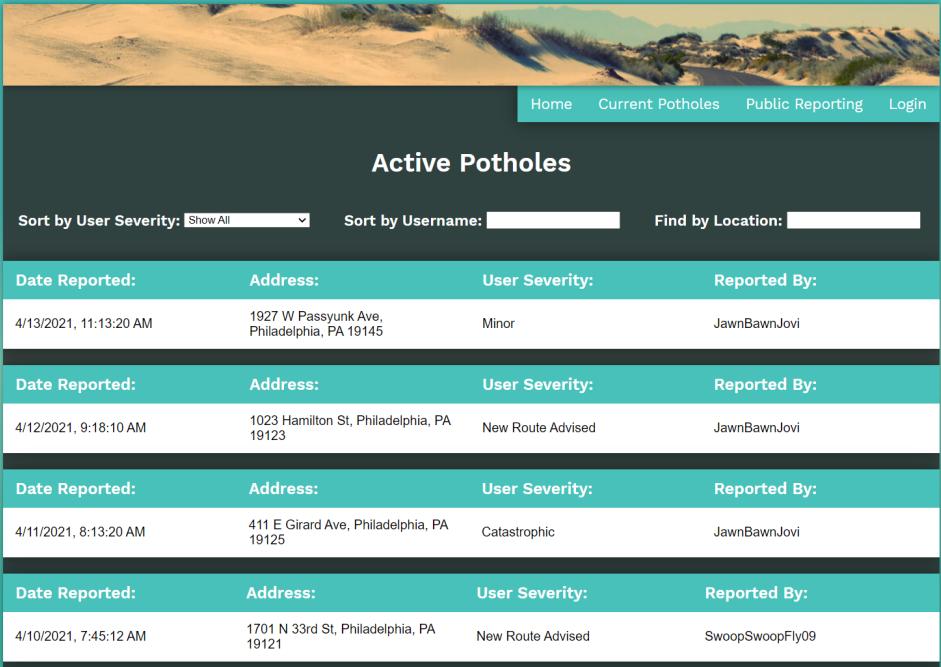
## Employee Home Page (Employee)



The screenshot shows the Employee Home Page. At the top left, it says "Hello, PublicWorks!". At the top right, there are links for "Home", "Employee Portal", "Save New Pothole", and "Logout". The main title "Employee Portal" is centered above a logo. The logo features a diamond shape with a map pin icon at the top, the words "POTHOLE PATROL" in the center, and a road winding through sand dunes at the bottom.

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## View Potholes (Registered Users)



The screenshot shows the "Active Potholes" page. At the top, there are navigation links for "Home", "Current Potholes", "Public Reporting", and "Login". Below that, there are three search/filter options: "Sort by User Severity: Show All", "Sort by Username: [input field]", and "Find by Location: [input field]". The main content area displays a table of four pothole reports:

| Date Reported:         | Address:                                    | User Severity:    | Reported By:    |
|------------------------|---|-------------------|-----------------|
| 4/13/2021, 11:13:20 AM | 1927 W Passyunk Ave, Philadelphia, PA 19145 | Minor             | JawnBawnJovi    |
| 4/12/2021, 9:18:10 AM  | 1023 Hamilton St, Philadelphia, PA 19123    | New Route Advised | JawnBawnJovi    |
| 4/11/2021, 8:13:20 AM  | 411 E Girard Ave, Philadelphia, PA 19125    | Catastrophic      | JawnBawnJovi    |
| 4/10/2021, 7:45:12 AM  | 1701 N 33rd St, Philadelphia, PA 19121      | New Route Advised | SwoopSwoopFly09 |

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## Damage Claim Page (Registered Users)



Hello, JawnBawnJovi!

Home Current Potholes Save New Pothole Public Reporting Logout

**Please Submit Details for Damage Claim**

The City of Philadelphia will review damage claims within 2-3 business days.

Full Name:

Phone Number:

Email Address:

Home Address:

Incident Date:  mm/dd/yyyy -- :- --

Car Make and Model:

Damage Description:

**Save**

A copy of your submission will be emailed to you for your records.

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## Pothole List (Employee)



Hello, PublicWorks!

Home Employee Portal Save New Pothole Logout

**Active Potholes**

Active Reports: 9  
Need to be scheduled for inspection: 4  
Need to be scheduled for repair: 6

Sort by Internal Severity: Show All ▾ Sort By Status: Show All ▾

Find by Id:  Find by Location:

| Report ID:            | Date Reported:         | Address:                                    | Reported By:  |
|-----------------------|------------------------|---|---------------|
| 9                     | 4/13/2021, 11:13:20 AM | 1927 W Passyunk Ave, Philadelphia, PA 19145 | JawnBawnJovi  |
| Official Status Code: | Official Severity:     | Date Inspected                              | Date Repaired |
| 1                     | 0                      | N/A   | N/A           |
| Report ID:            | Date Reported:         | Address:                                    | Reported By:  |
| 8                     | 4/12/2021, 9:18:10 AM  | 1023 Hamilton St, Philadelphia, PA 19123    | JawnBawnJovi  |
| Official Status Code: | Official Severity:     | Date Inspected                              | Date Repaired |

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