Team Name:
Early Adopters

Product Name
Adopt-A-Spot

Github URL
https://github.com/aag1091/adopt-a-spot

Overall Vision & Functionality
A universal web service that can be used by local governments to manage and promote their Adopt-A-Spot program with a supplementary mobile and web app. It will also allow users find local Spots to volunteer as well as proposing and registering new locations to maintain.

Purpose / Goal
Provide an open central repository for local governments to promote and manage their Adopt-A-Spot program. While reducing overhead costs such as IT, and improving efficiency by reducing paperwork. Develop a central database containing information about adopted spots that can be used to either expand or enhance the program in their city. Provide an interactive experience for the public to learn more about the program and how to volunteer. The final and most important goal is to keep our cities clean and increase awareness.

What core functionality needs to be completed to make this a fully working product? What would be a general timeline for each milestone.*
- Authentication/Registration (1 week)
  - Add the ability to create an account using either social media or custom form
  - Add the ability to authenticate city program administrators
- User Roles (2 weeks)
  - Model and implement different user roles such as:
    - City Administrator
    - Spot manager
    - Volunteer
    - Spotter
- Data import script (2 weeks)
  - Create a uniform format import script to expand current city spots areas and meta data
- Browse Spots (2 weeks)
  - Ability to explore for existing spots by map or list
- City Profile (2 weeks)
  - Number of spots
  - Average rating
  - Number of volunteers
- List of Groups/Owners
- **Spot Profile (2 week)**
  - Name
  - Location
  - Volunteers
  - Photos
- **Spot Cleanup Report Submission (1 week)**
  - Provide a form to report how much cleanup was performed on the site and send it to the city administrator.
- **Adopt-A-Spot Registration (2 weeks)**
  - Complete required fields by cities
  - Save and submit registration form to city administrator
  - Spot registration activation
- **Spot Volunteer (1 week)**
  - Allow a volunteer to register for a spot

What additional features / functionality would you add? What would be a general timeline for each milestone.

Create a bullet list and be sure to include a general time frame for completion

- **Manage a spot (3-4 weeks)**
  - Keep track of how often it’s maintained.
  - Get feedback from people walking by reporting maintenance requests.
  - Review volunteer requests or search for volunteers to keep your spot clean.
  - Request additional supplies from the city to help your team keep your spot spotless.
- **Spot owner volunteer recruiting (3 weeks)**
  - Find local volunteers that are helping with other nearby spots and reach out to them to see if they can help you with your area.
- **Social media integration (1 week)**
  - Login with social media and share your efforts to help your city and promote your Spot.
- **City Admin Portal (1-2 Months)**
  - Provide a portal for city administrators to review application requests and manage existing locations.
- **Create a public facing API for app developers (3-4 Months)**
  - Secure authentication
  - Get/Post Spot(s)
    - By lat long
    - By id
    - By name
    - By city, state or zip
  - Get Spot registration applications

Attachment 5
- Gamification (3 weeks)
  - Earn personal reputation points/badges based on volunteer participation.
  - Earn Spot reputation points/badges based on cleanliness ratings.
- Corporate sponsorship program (1 weeks)
  - Allow companies to sponsor cities and provide them with equipment and
    supplies. Add company logo to city and spot profile pages.
- Spot boundary marker (3 weeks)
  - Give a user the ability to draw a line or boundary of their adopted area for use
    with large areas or paths.

Are there any costs that you could foresee? *

example - hosting
- Application hosting ~ $50-200/m
- Database hosting ~ $150-200/m
- Email services ~ $100-300/m
- SSL Certificate ~ $100/yr
- Domain registration ~ $15/yr