



Lush

Avani Jain, Jackson Whitley, and Jasmin Bella
Advisor: Mrs. Taricco

Problem and Motivation

National Parks across the US serve as a home to thousands of wildlife species and a place to explore for millions of visitors each year. However, excess waste in these outdoor spaces poses a significant threat to not only the visitor experience but the environment as a whole. Our app aims to address this issue by providing an engaging way to empower users in the fight against climate change.

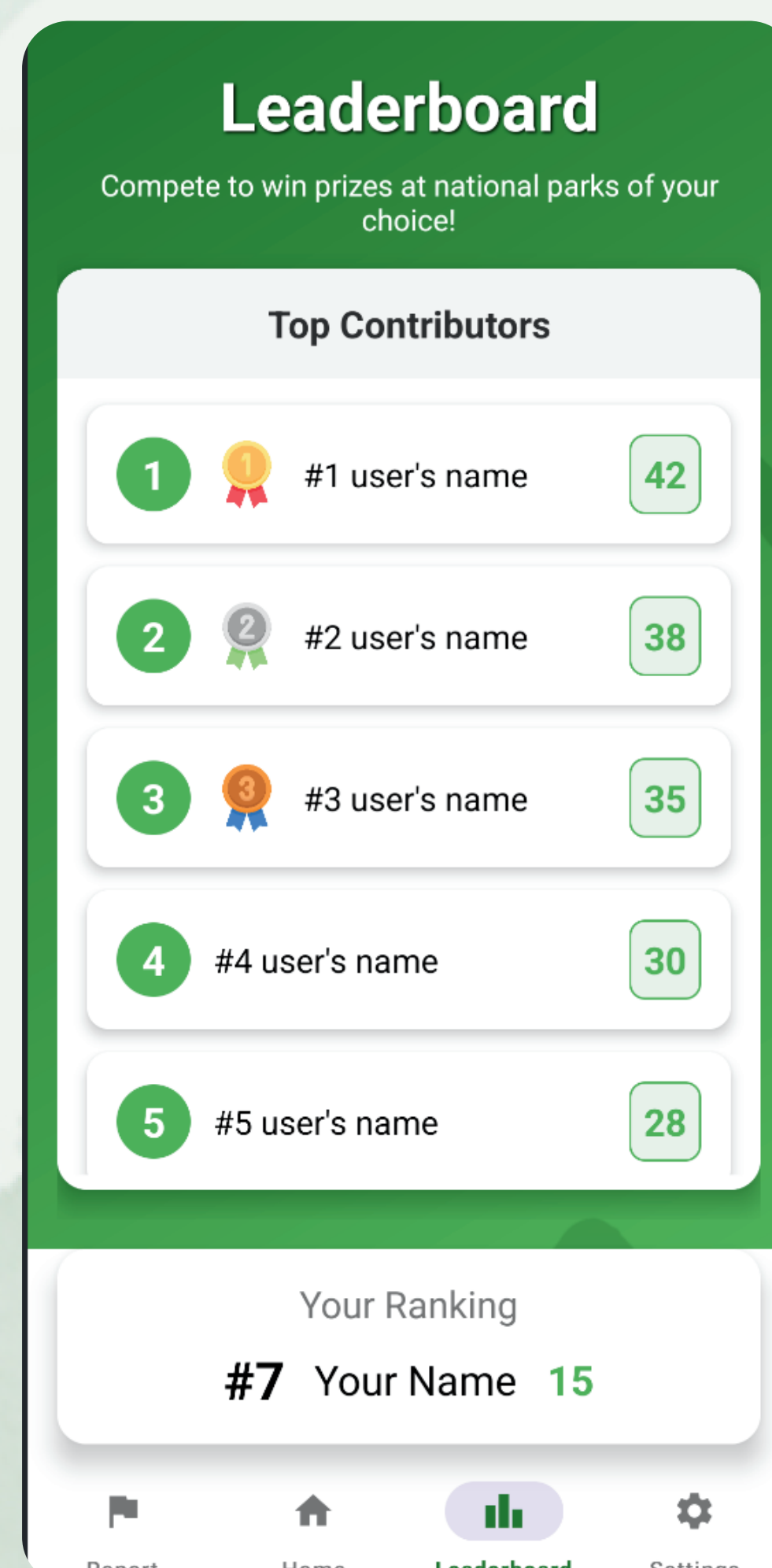
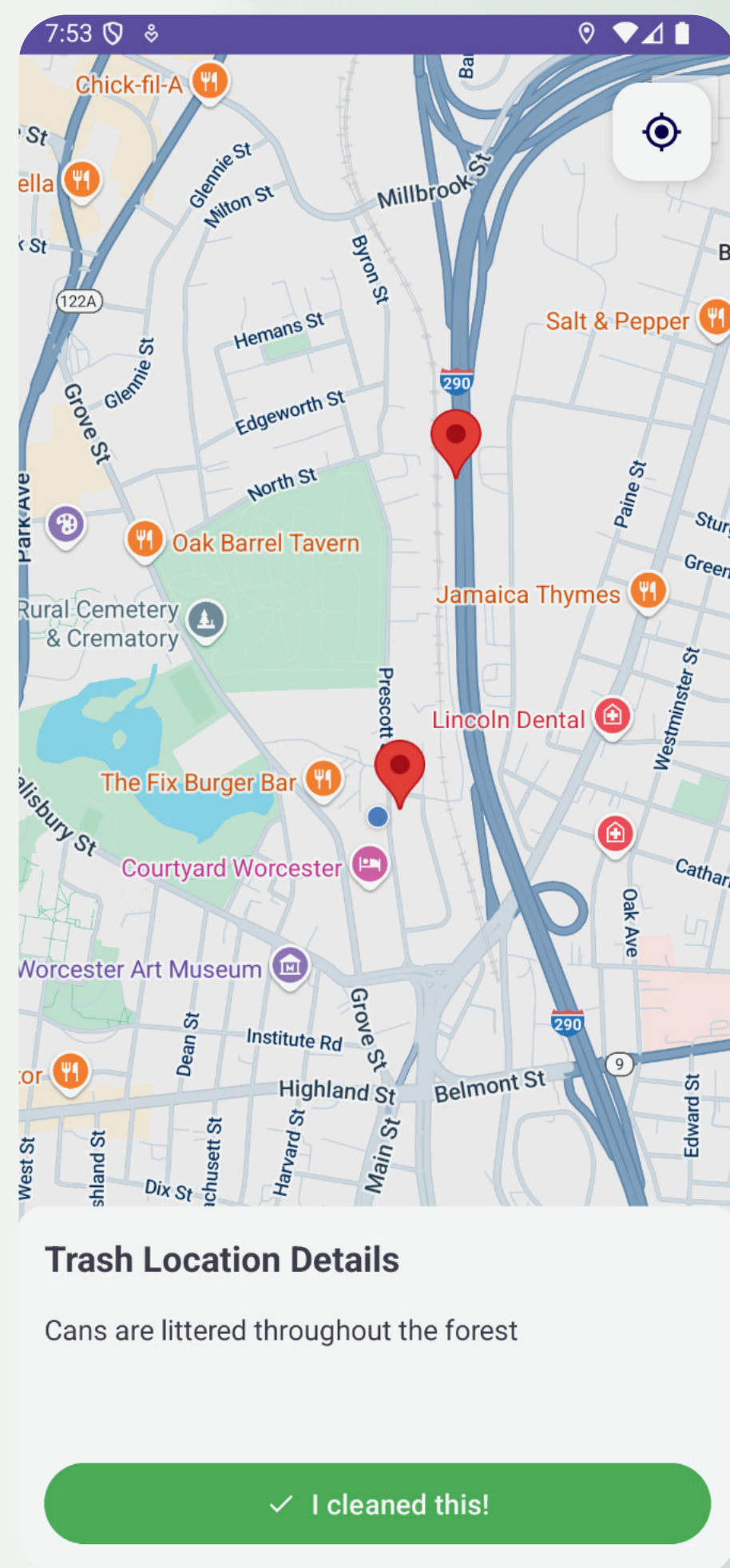
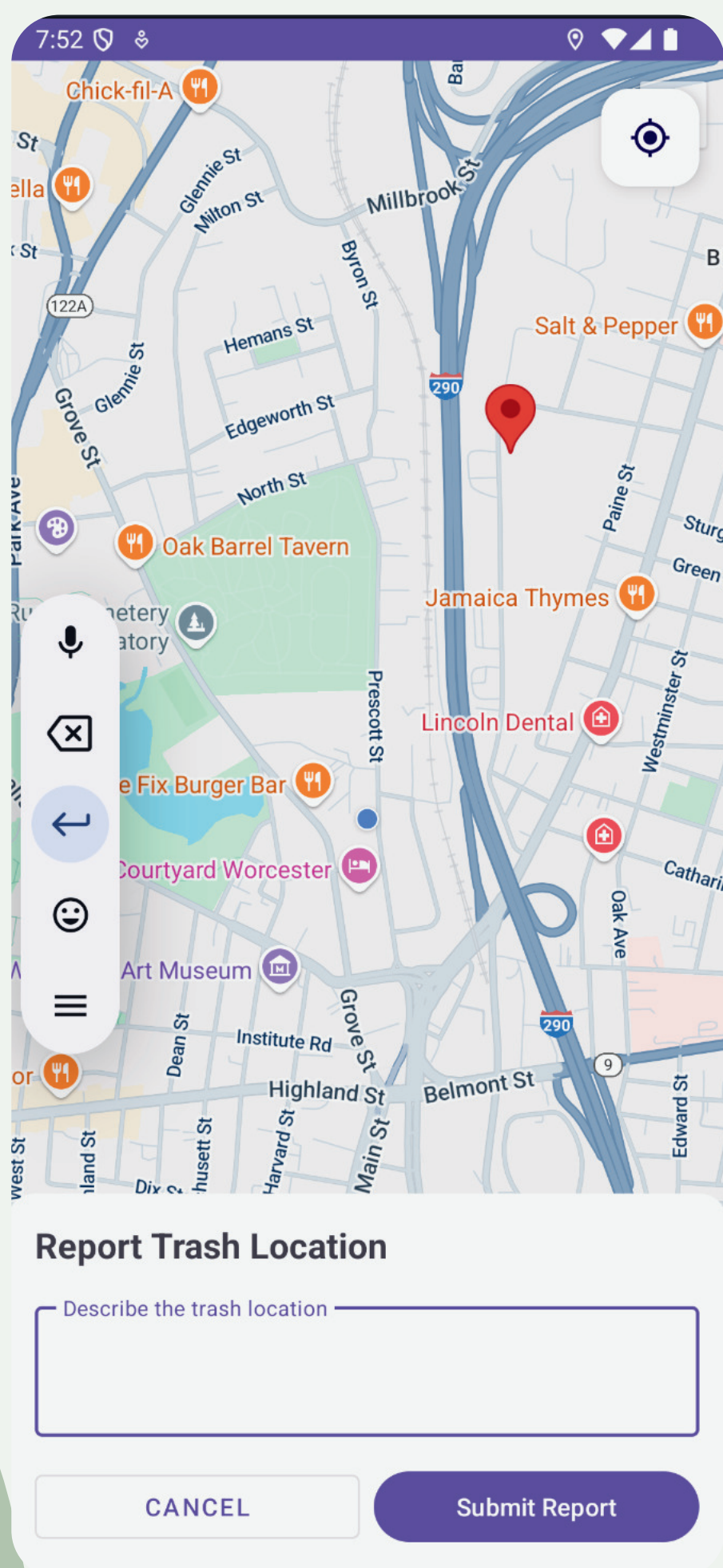
App Description

MVP Features:

1. Login and Account Creation
2. Report trash with location verification
3. Report pick-up with location verification
4. Leaderboard with associated points

Users

- National Park visitors
 - Solo or group travelers
- Travelers in general (future step)



Tools and Technology



Other services used by app

Requires location access and touchscreen

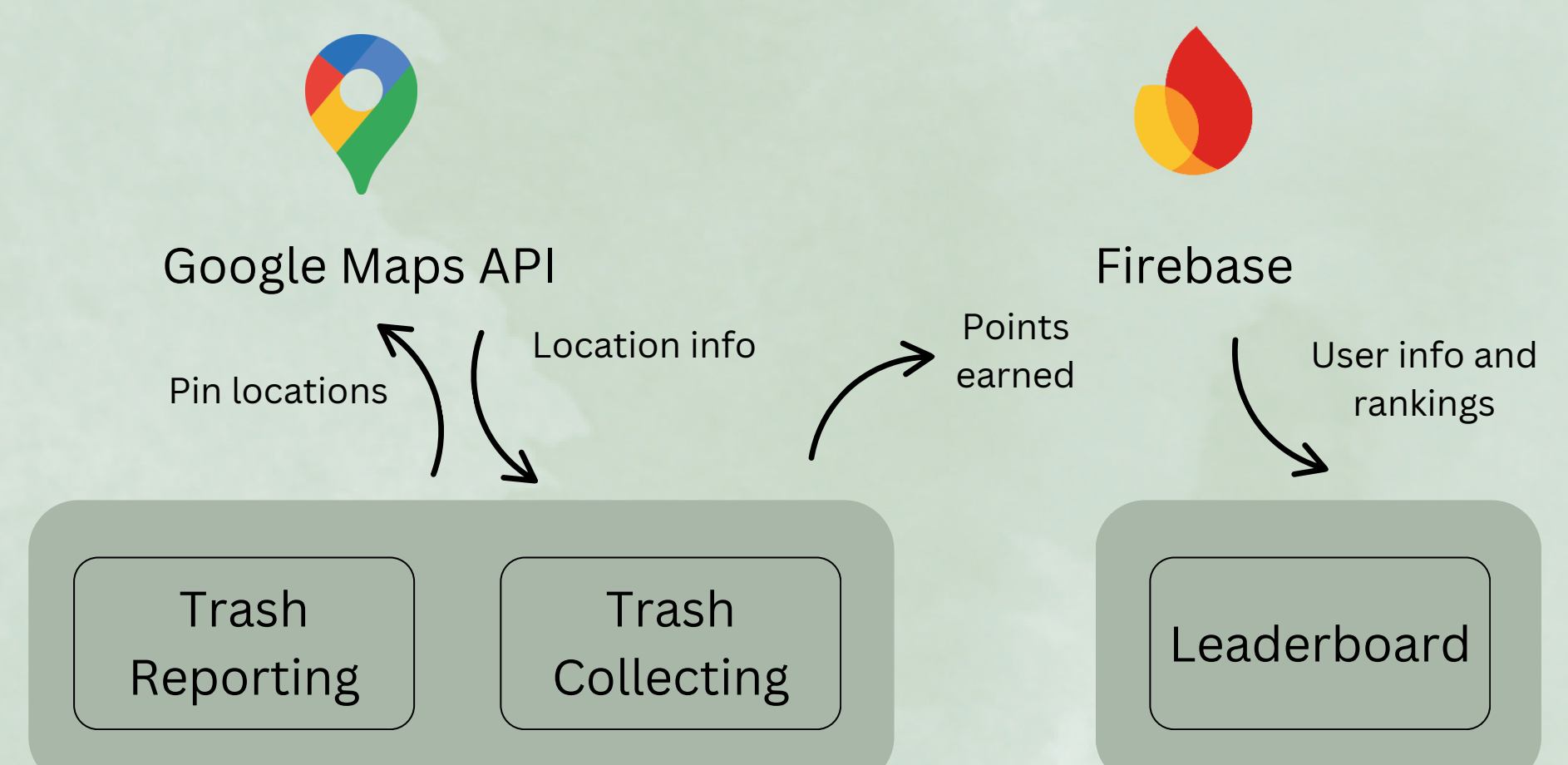
Algorithms

Login

User-created account stored in firebase that connects to leaderboard and updates points

Location Verification

Ensures that user is within a 2-mile radius of the location when reporting or picking up trash



Extensions

1. Picture upload along with trash descriptions
2. Information page about visited location (Dos and Don'ts, Wildlife, Accessibility, etc.)
3. Subpage showing travel recommendations
4. Public forum based on location allowing users to communicate with others