

# CleanLoo: NYC Public Restroom Finder

Course: MAC101 – Intro to  
Computer Science

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# NYC's Public Restroom Problem

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- Millions of NYC residents struggle to find clean, safe, and accessible public restrooms.
- Restrooms are often hidden, unclean, or inaccessible unless you ask or wander around.
- This creates issue for:
  - Commuters
  - Tourists
  - Elderly individuals
  - People with medical conditions
  - Families with children

# What CleanLoo Aims to Do

- Show nearby public restrooms.
- Display :
  - Location + borough
  - ADA Accessibility
  - Opening Hours
- Allow quick filtering
- Use real NYC dataset to ensure accuracy



# CleanLoo

# NYC Open Data: Public Restroom Dataset

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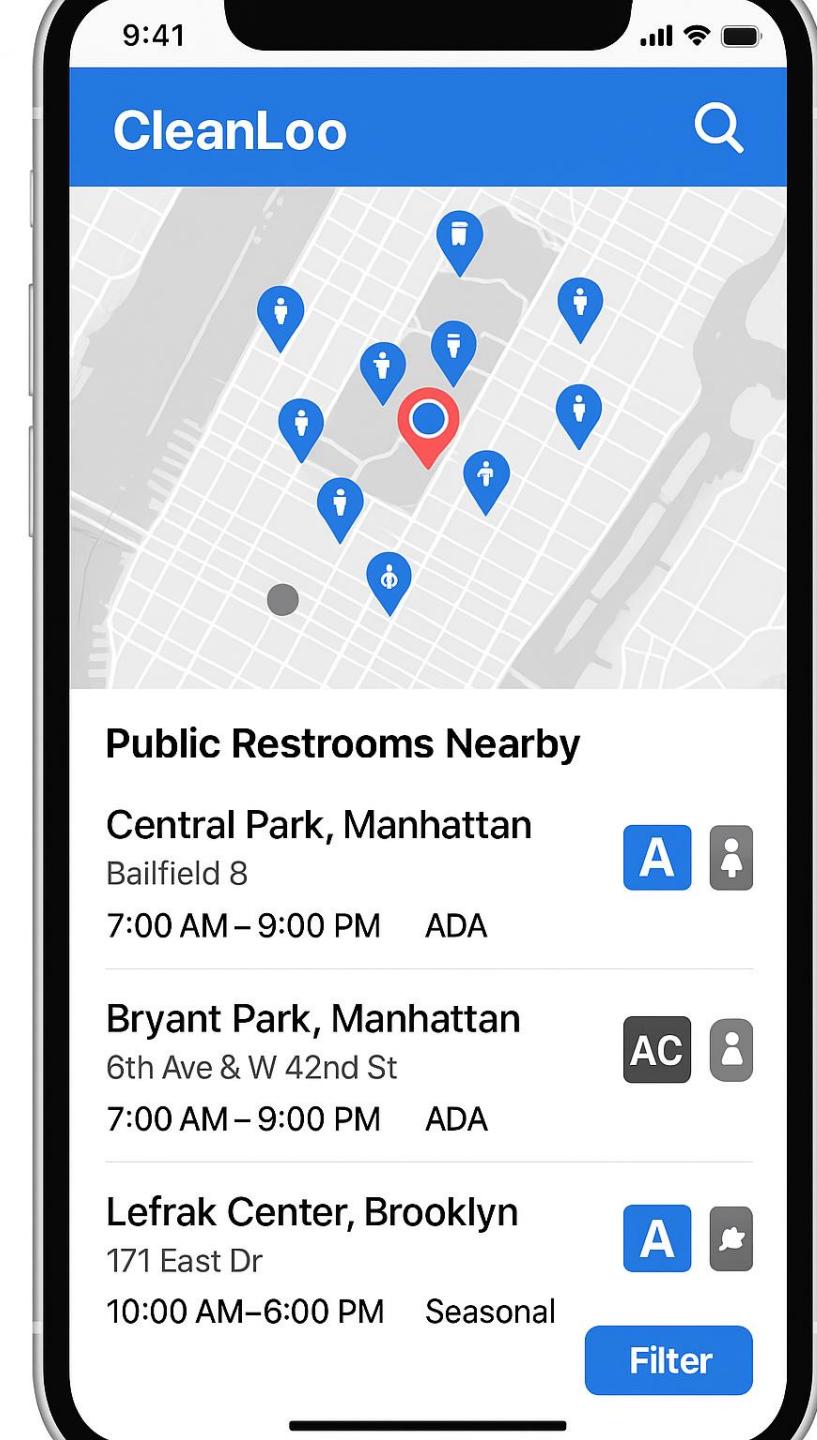
- Link:  
[https://data.cityofnewyork.us/City-Government/Public-Restrooms/i7jb-7jku/about\\_data](https://data.cityofnewyork.us/City-Government/Public-Restrooms/i7jb-7jku/about_data)
  - Contains:
    - Name
    - Borough
    - Location
    - Accessibility
    - Season or year-round
    - Coordinates
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# How the App Works

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1. Load dataset into restroomList
  2. User selects:
    1. Borough
    2. Accessibility
  3. Algorithm filters dataset
  4. Results returned + sorted by nearest location
  5. Display on list/map interface
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# CleanLoo User Journey

- The CleanLoo app guides users through a simple, intuitive process to locate the nearest public restroom in NYC.
- Designed for quick access, clear navigation, and accessibility-first interaction.



# Core Pseudocode

```
FUNCTION findRestrooms(restroomList, borough, accessible):
    results ← empty list

    FOR each restroom IN restroomList:
        IF borough == "All" OR restroom.borough == borough:
            IF accessible AND restroom.accessible != "YES":
                CONTINUE
            ENDIF
            ADD restroom TO results
        ENDIF
    ENDFOR

    RETURN results
END FUNCTION
```

# Why CleanLoo Matters

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- Helps millions navigate NYC more comfortably.
- Supports public health & accessibility.
- Shows how computer science + public data can solve real city problems.





# Thank you