

Feature 1: Parking Spot Card Display

Objective:

Ensure each parking spot card displays all required information clearly (e.g., location, price, availability).

Test Cases:

1. **View card info**
 - **Steps:** Navigate to homepage and examine card details
 - **Expected Result:** All cards display location, price, and availability
2. **Check layout consistency**
 - **Steps:** Compare layout of multiple cards
 - **Expected Result:** All cards follow a consistent design
3. **Update data reflection**
 - **Steps:** Change values in backend (e.g., spot price), then reload frontend
 - **Expected Result:** Updated values show up correctly on cards

Feature 2: Search Bar Functionality

Objective:

Ensure search results are returned accurately based on user input.

Test Cases:

1. **Search with valid input**
 - **Steps:** Type "Downtown" in the search bar and hit Enter
 - **Expected Result:** All displayed spots are in or related to "Downtown"
2. **Search with blank/invalid input**
 - **Steps:** Submit an empty string or random characters
 - **Expected Result:** "No results found" message or graceful fallback
3. **Case insensitivity**
 - **Steps:** Search using "downtown" and "DOWNTOWN"
 - **Expected Result:** Same results are shown

Feature 3: Filtering System for Search Results

Objective:

Ensure filters (e.g., price, availability, type) narrow results properly.

Test Cases:

1. **Filter by price**

- **Steps:** Apply filter for spots priced \$5–\$10
- **Expected Result:** Only spots within that price range appear
- 2. **Apply multiple filters**
 - **Steps:** Filter for “Covered” spots available in the “Morning”
 - **Expected Result:** Only results matching all criteria are shown
- 3. **Reset filters**
 - **Steps:** After applying filters, click “Reset”
 - **Expected Result:** Full list of spots is restored