Parking Slot API Routes Summary

This document summarizes the implemented API endpoints for managing and searching parking slots, using the base route `/api/v1/parkings`.

Authentication Note (Temporary):

Currently, authorization middleware is commented out. For **Owner** routes, the controller relies on a hardcoded Owner ID or a `mockProtect` function to find the user ID. In production, these routes MUST be protected by a JWT middleware (`authController.protect`).

1. RENTER & PUBLIC ROUTES (Searching and Viewing)

Method	Endpoint Example	Description
GET	`/api/v1/parkings`	**Search & Browse.** Retrieves all active listings (`isActive: true`). Supports filtering and geospatial queries via parameters: `?lat=37.77&lng=-122.41&distance=5` (distance in km), `?parkingType=Garage` , `?priceMax=20` .
GET	`/api/v1/parkings/:id`	**Get Single Listing.** Retrieves the full details of a specific parking slot using its MongoDB ID (e.g., `.../66a6a02b1234567890abcdef`).
GET	`/api/v1/parkings/top-rated`	**Promotional List.** Retrieves the top 5 highest-rated and most-reviewed active parking slots.

2. OWNER MANAGEMENT ROUTES (CRUD)

⚠ Requires Authentication/User Context

These routes assume that a user ID is successfully injected into `req.user.id` (either via a JWT or the temporary `mockProtect` middleware).

Method	Endpoint Example	Description
POST	`/api/v1/parkings`	**Create Listing.** Creates a new parking slot using the data in the JSON body. The `owner` field is automatically set to the ID of the authenticated user (`req.user.id`).
GET	`/api/v1/parkings/my-listings`	**Owner Dashboard List.** Retrieves all parking slots belonging *only* to the logged-in user.
PATCH	`/api/v1/parkings/:id`	**Update Listing.** Updates the details of an existing listing. **Authorization Check:** Fails if the logged-in user is not the recorded owner of that slot.

DELETE	`/api/v1/parkings/:id`	**Deactivate Listing (Soft Delete).** Sets the listing's `isActive` field to `false`. **Authorization Check:** Fails if the logged-in user is not the recorded owner.