

## Black Box Test Case:

### Rating

Test ID	Scenario	Steps/Input Actions	Expected Result	Actual Result
1	Add parks to list and view ratings	Select “+” Select desired parks add to list	Selected parks appear in the list with their ratings displayed	All selected parks are listed with correct ratings
2	Remove parks from list	Select “+” Deselect parks to remove from list	Deselected parks are removed from the list	Deselected parks no longer appear
3	Reorganize park list	Drag and Drop the 6 dots on the right of the list to reorder the list by user	Park list order changes according to user’s drag-and-drop actions	New order is correctly reflected
4	Refresh park ratings	Select any other icon (e.g., “Map” or “Notification”), then reselect the “Rating” icon	System refreshes and shows the latest ratings for all parks	Ratings are updated to latest values

### Rating Config

Test ID	Scenario	Steps/Input Actions	Expected Result	Actual Result
1	Reset all configuration values to default	Tap the “Reset to Default” button in the configuration panel	All configuration values revert to their system default settings	All values successfully reset to defaults. Sliders returned to default positions.
2	Reset a single configuration value to default	Modify a configuration setting Tap the “DEFAULT” icon next to that individual setting	Only the selected configuration resets to its default; other values remain unchanged	Targeted config reset correctly while others retained user-defined values.
3	Set a configuration value for a single variable	Select one configuration item (e.g. "Partly Cloudy") Adjust its value using the slider	The selected configuration value is successfully updated	Slider moved and value updated instantly; UI reflected the change without delay.
4	Set a configuration to a preferred value and observe ratings	Set a configuration value to a preferred level (e.g., Partly Cloudy = -2) Return to the park rating view	Park ratings update based on the new configuration weighting	Ratings list reordered to reflect changes; highly-rated clean parks moved to top.
5	Persist configuration values after app restart	Set multiple configuration values to their lowest settings Kill the app from background Reopen the app	All previously saved configuration values are retained and restored upon reopening the app	All configuration values remained as previously set after restarting the app; no data loss observed.

## Notification

Test ID	Scenario	Steps/Input Actions	Expected Result	Actual Result
1	Set a notification for a selected park	Tap “Notification” → Tap “+” → Set time and select park → Tap “Save”	Notification is scheduled and triggers at the selected time	Notification successfully scheduled and triggered at the correct time
2	Modify an existing notification	Tap on existing notification time → Set a new time → Tap “Save”	Notification updates to reflect the new scheduled time	Notification time updated successfully and triggered at the new time
3	Delete an existing notification	Tap on existing notification time → Tap “Delete Notification”	Selected notification is removed and no longer triggers	Notification was deleted; no alerts received at the previously scheduled time
4	Activate or deactivate notification	Toggle the “Active/Inactive” switch	Notification only triggers when Active is ON; no notification is sent when Active is OFF	Toggle works as expected; notifications trigger only when Active is ON
5	Trigger push notification	Wait for scheduled time with app running or in background	A push notification is delivered with the park name and scheduled visit reminder	Push notification received successfully with correct park name and time
6	Set a recurring notification	Tap on a notification → Select (activate) the days to repeat → Save	Notification is triggered repeatedly according to selected recurrence days	Notifications triggered consistently on selected days (e.g., Mon/Wed/Fri)
7	Schedule multiple notifications for same park	Select the same park → Schedule multiple notifications at different times (e.g., 9AM, 3PM)	Each scheduled notification triggers separately at its designated time	Both notifications triggered correctly and independently at 9AM and 3PM
8	Verify notification triggers only on selected day	Schedule a notification for a specific day (e.g., Monday) → Wait for that day/time	Notification only triggers on the selected day	Notification triggered only on the selected day; no alerts on other days
9	Notification should not trigger when date is deselected	Schedule a notification for multiple days (e.g., Mon–Fri) → Deselect one day → Wait for that day/time	Notification does not trigger on the deselected day	No notification was triggered on the deselected day; behavior worked as intended
10	Validate assigned park value in notification	Select a specific park and schedule a notification → Observe the push notification when triggered	Notification accurately shows the correct park name and location as selected during scheduling	Notification message displayed the correct park name and details

## Map

Test ID	Scenario	Steps/Input Actions	Expected Result	Actual Result
1	Viewing park general location	Tap the "Map" icon to open map view	Map loads successfully, and park markers are clearly displayed at correct locations	Map loads successfully, parks are visible and correctly placed on the map
2	Zooming in and out on the map	Use + or – buttons, or perform pinch/spread gesture using two fingers	Map zooms in and out smoothly; map content adjusts without distortion or lag	Zoom in/out works as expected; transitions are smooth and responsive
3	Navigate to the park via Google Maps	Tap on the pin of the park you want to visit → Tap the park name that appears in the map pop-up → The app opens a Google Maps link	System redirects to Google Maps with the park's coordinates as the destination	Google Maps opens with correct location