**SmartPark Pro – Step-by-Step Process**

**Step 1: Opening the Application**

* Open the HTML file (park.html) in a browser.
* The system interface appears showing:
  + Header with logo and name
  + Input fields to enter/remove cars
  + Buttons for actions
  + Utilization status
  + Car list area
  + Hidden receipt section
  + Footer with developer credits

**Step 2: Car Entry**

1. User types the **car plate number** in the **first input field**.
2. Clicks the **“Enter Car”** button.
3. System:
   * Validates the input.
   * Records current timestamp (Time In).
   * Adds the car to the internal list (carPark[] array).
   * Updates the utilization counter.
   * Shows a **notification**:  
     ✅ *"Car 'RAB123D' has been entered."*

**Step 3: Listing Parked Cars**

* Click on **“List Cars”** to view all currently parked cars.
* The system displays a list with:
  + Plate number
  + Time In

Example:

less

CopyEdit

RAB123D | Time In: 5/6/2025, 2:45:10 PM

RAF777K | Time In: 5/6/2025, 3:00:01 PM

**Step 4: Car Exit (Remove Car)**

1. User types the **plate number** of the exiting car in the **second input field**.
2. Clicks the **“Remove Car”** button.
3. System:
   * Searches for the car in the list.
   * Records current time as Time Out.
   * Calculates **duration** in hours (rounded up).
   * Computes **parking fee**:
     + First hour: Rwf 500
     + Each extra hour: Rwf 300
   * Removes car from list.
   * Updates utilization.
   * Shows a **receipt** with:
     + Plate
     + Time In
     + Time Out
     + Duration
     + Amount
     + **Print** button
   * Displays the same logo and footer as the home page.

**Step 5: Printing the Receipt**

* User clicks **"Print"**.
* Receipt is printed with:
  + System logo
  + "SmartPark Pro Receipt" title
  + All receipt details
  + Footer with credits

Print layout is optimized to **hide all other page elements** and show only the receipt.

**Step 6: Responsive and Mobile Friendly**

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