**Project Overview: Kohler India – Offline Android Tablet App for Mirror Buying Guide**

**Objective:**  
Kohler India is developing an offline Android tablet application to serve as a buying guide for its **Mirrors product segment**. The app will assist in-store sales staff and dealers in recommending suitable mirror products through a structured, guided selection flow.

**Core Requirements**

**1. Offline Functionality**

* The app must function entirely offline.
* No internet connection should be required to access any feature or content.

**2. Guided Product Selection Flow**

* Follow the design provided in the **Figma prototype**.
* A structured questionnaire will help users navigate to relevant mirror SKUs.
* User Journey Flow

**Primary Journey**   
  
Dealer Login ( Pre- login 1st Time ) 🡪 Onboarding Screen ( CTA Take a quiz)   
🡪 Question 1 ( Multiple Choice Question card   
🡪 Question 2 (Multiple Choice Question card)   
🡪 Question 3 (Multiple Choice Question card)   
🡪 Question 4 (Multiple Choice Question card)   
🡪 Continue CTA 🡪 Recommended Products based on Selected MCQ Card.   
  
**User Inputs**  
- User can Skip the Questions  
- User can choose multiple cards  
- User can go back to previous question to change the MCQ’s input.  
- User can see why particular question is asked by clicking on WHY WE ASK tab.  
  
**Journey Ends**  
- User journey will end after product recommendations.

* Each product must display the following:
  + Product name & SKU (if available)
  + Product Description
  + Product images
  + Star Ratings
  + Bestseller label
  + Product Pricing [ MRP and Off % age (if available) ]

**3. Local Data Storage**

* Use **Room (SQLite)** to store the following:
  + Mirror product catalog
  + Dealer ID
  + Usage logs (see section 5)
* All data must be bundled within the app at the time of development.
* No need for real-time updates.

**4. Dealer ID Assignment**

* On first launch, prompt the user to manually enter their **Dealer ID**.
* Store the Dealer ID locally using **Shared Preferences**.
* All tracked activity must be associated with this Dealer ID.

**5. Usage Tracking (Offline)**

* Track the following events with **timestamp** and **Dealer ID**:
  + App open/close
  + Products Category viewed
  + Filters/questions selected
  + Product recommendations based on questions
* Store logs in the local SQLite database for offline analytics and future sync.

**6. Optional Data Sync (When Online)**

* When internet access is available:
  + Attempt to **POST usage logs to a backend API** (to be defined).
  + If the sync fails, retry automatically on the next app launch or via a scheduled background job.

**7. Device Compatibility**

* Target devices: **Android tablets (7" to 10")**
* Minimum Android OS: **8.0 (Oreo)**
* App must be distributed via **APK** (not via Play Store)

**Testing Requirements**

* Functional testing across multiple tablet sizes.
* Validate offline capabilities and behavior.
* Verify correct navigation, product flow, and recommendations.
* Confirm accurate Dealer ID tagging and usage event logging.
* Test sync behavior when an internet connection is available.

**Assets Provided**

* Figma prototype (UI/UX flow)
* Mirror product catalog (Excel/JSON format)
* Product images and specification sheets (to be embedded)
* Dealer ID format guidelines

**Next Steps – To Be Provided by Development Team**

1. **Estimated development timeline**
2. **List of required inputs or clarifications**
3. **Cost estimate**
4. **Tools or SDKs planned for use**