Answer to Scenario 1:

1) Requirement Identification

How would you identify clothing showrooms without websites using Google?
Answer: By searching Google Maps or Google My Business

What data fields will you collect to ensure meaningful insights about the showrooms?
Answer: Phone number, showroom name, address, type of clothing, rating, opening hours

2) Tool Selection

Which tools or platforms would you recommend for collecting this data manually or semi-automatically?

Answer: Manually: Google Maps, Google My Business, Spreadsheet
Semi-automatically: selenium, scrapy, beautiful soup

How would you optimize your search queries for efficiency?
Answer: Location-based search queries, Google My Business Filters

Outline a step-by-step process to extract phone numbers of such showrooms manually.
Answer: Step by-step process below:
1. Search on Google
2. Open Google Business Listings
3. Extract Data
4. Validate

What measures would you implement to ensure data accuracy?
Answer: Cross-verification, And Update Verification

How will you ensure compliance with privacy and data protection laws during the process?

<u>Answer:</u> Data collection transparency and avoid personally identifiable information

What steps would you take to prevent overstepping Google's terms of service?

<u>Answer:</u>

1. Manual collection
2. Scraping tools
3. Respect business right

Once you collect the phone numbers, how will you verify their accuracy and relevance?

<u>Answer:</u>

1. Call or message validation
2. Cross-check on Social Media

To handle duplicate or outdated entries
1. De-duplication
2. Check latest updates