

**Table B: Evaluation dataset specification and user tasks.**

Application Name	Domain/User profile	GitHub URL	Stars	F-Droid/Google Play	User tasks
Medicine Time	Health (Any, Elderly focus)	<a href="https://github.com/CaptainVish/Medicine-Time-Android-App-Project">https://github.com/CaptainVish/Medicine-Time-Android-App-Project</a>	65	-	<ol style="list-style-type: none"> <li>1. Launch the app and navigate through all its screens.</li> <li>2. Tapping on an unresponsive button.</li> <li>3. Add a new medication, including name, dosage, and alarm schedule for multiple days.</li> <li>4. Open the statistics screen and navigate its menu and options.</li> <li>5. Delete a medication by tapping and swiping.</li> <li>6. Undo a deleted medication (restore).</li> </ol>
Daily Dozen	Health & Fitness (Adult, health-conscious, moderately tech-savvy individual)	<a href="https://github.com/nutritionfactsorg/daily-dozen-android">https://github.com/nutritionfactsorg/daily-dozen-android</a>	281	F-Droid & Google Play	<ol style="list-style-type: none"> <li>1. Launch the app and review the main UI appearance and category layout.</li> <li>2. Add/Remove servings to multiple food categories.</li> <li>3. Open the Info / Learn More sections for several food groups.</li> <li>4. Explore Daily serving history (Day, Month, Year).</li> <li>5. Switch to a different date (e.g., Fri, Nov 28).</li> <li>6. Toggle between different tabs (e.g., "DAILY DOZEN" vs. "21 TWEAKS")</li> <li>7. Scroll through the entire tweak list and verify that category headers (e.g., "At Each Meal", "Every Day") remain visible or reappear.</li> <li>8. Explore Daily tweak history (Day, Month, Year).</li> <li>9. Attempt to edit weight entries (morning/evening).</li> <li>10. Explore weight history.</li> <li>11. Explore the options menu.</li> <li>12. Navigate to the menu options that open other apps/systems to check the integration efficiency.</li> </ol>
To-Do List	Productivity / Utility (young adult , moderately tech-savvy)	<a href="https://github.com/Lucid-Lifo/To-Do-list-Mobile-App">https://github.com/Lucid-Lifo/To-Do-list-Mobile-App</a>	-	-	<ol style="list-style-type: none"> <li>1. Launch the app and inspect its UIs.</li> <li>2. Add new tasks.</li> <li>3. Edit an existing task.</li> <li>4. Mark tasks as completed and uncompleted.</li> <li>5. Delete a task.</li> <li>6. Observe any pop-ups, permissions, or interruptions.</li> </ol>
GroceryStore	A grocery-shopping (e-commerce) (Adult shopper — practical, moderately tech-savvy)	<a href="https://github.com/plutonicdev/GroceryStore">https://github.com/plutonicdev/GroceryStore</a>	112	-	<ol style="list-style-type: none"> <li>1. Sign up by creating an account.</li> <li>2. Log in to the app.</li> <li>3. Launch the app and explore its UIs.</li> <li>4. Open several product details screens</li> <li>5. Add items to the cart and proceed to check out.</li> <li>6. Remove items from the cart.</li> <li>7. Navigate to the profile screen and explore all available sections.</li> <li>8. Explore the advertisement banners by clicking on them.</li> <li>9. Share a product.</li> </ol>

10. Log out of the app.
11. Observe any pop-ups, permissions, or interruptions.

CometChat	Chat / Messaging (Social Communication) app (moderately tech-savvy)	<a href="https://github.com/dwarshb/android-java-chat-app.git">https://github.com/dwarshb/android-java-chat-app.git</a>	-	Google Play	<ol style="list-style-type: none"> <li>1. Launch the app and explore its UIs.</li> <li>2. Start a one-on-one chat, send multiple text messages, and use all available chat features.</li> <li>3. Create a new group chat and add several members.</li> <li>4. Open a group chat, send multiple text messages, and use all available features.</li> <li>5. Change the group name/description/type.</li> <li>6. Assign a group moderator.</li> <li>7. Assign a group administrator.</li> <li>8. Block a user.</li> <li>9. Explore profile/settings screens.</li> <li>10. Initiate an audio call to a user.</li> <li>11. Initiate a video call to a group.</li> <li>12. Review any pop-ups, permission dialogs (camera, mic, storage).</li> </ol>
2048-android	Gaming (Casual gamer, nostalgic player, enjoys simple challenges)	<a href="https://github.com/uberspot/2048-android.git">https://github.com/uberspot/2048-android.git</a>	1100	F-Droid & Google Play	<ol style="list-style-type: none"> <li>1. Launch the app and explore its UIs.</li> <li>2. Start playing a game.</li> <li>3. Start a new game.</li> <li>4. Observe any pop-ups or dialogs shown during gameplay (e.g., Game Over screen).</li> </ol>
WeatherApp	A weather-forecasting (utility) app (Everyday smartphone user — moderately tech-savvy)	<a href="https://github.com/dev-aniketj/WeatherApp-Android.git">https://github.com/dev-aniketj/WeatherApp-Android.git</a>	151	-	<ol style="list-style-type: none"> <li>1. Launch the app and explore its UIs.</li> <li>2. Search for the weather in another city by typing its name.</li> <li>3. Search for the weather in another city by recording its name using the mic.</li> <li>4. Inspect UI elements such as temperature, iconography, and descriptive text.</li> <li>5. Observe any pop-ups, permissions, or interruptions.</li> </ol>
Health Care Locator	A health-and-navigation (Utility / Location) app (Individuals seeking nearby medical services in an urgent situation — general audience, moderately tech-savvy)	<a href="https://github.com/OxTEJIRI/HealthCare-Locator-Android-App.git">https://github.com/OxTEJIRI/HealthCare-Locator-Android-App.git</a>	5	-	<ol style="list-style-type: none"> <li>1. Launch the app and explore its UIs.</li> <li>2. Apply different filters (specialty, distance, rating).</li> <li>3. Tap on individual hospital/doctor markers to open the detailed information screen.</li> <li>4. Inspect details such as ratings, website, images, and contact options.</li> <li>5. Use the search bar to look for hospitals, doctors, or dentists.</li> <li>6. Open the Privacy Policy menu option.</li> <li>7. Review any pop-ups, permission dialogs (camera, mic, storage).</li> </ol>

Tic Tac Toe	Gaming (all ages, low to moderately tech-savvy)	<a href="https://github.com/aadmaquino/TicTacToe.git">https://github.com/aadmaquino/TicTacToe.git</a>	-	Google play	<ol style="list-style-type: none"> <li>1. Launch the app and explore its UIs.</li> <li>2. Select One Player mode and choose a difficulty level (Easy, Medium, Hard) and play a full game.</li> <li>3. Select Two Players mode and play a full game.</li> <li>4. Restart a game.</li> <li>5. Observe any pop-ups, permissions, or interruptions.</li> </ol>
Verifit	Health & Fitness / Utility (Adult fitness-enthusiast, moderately tech-savvy)	<a href="https://github.com/MakisChristou/verifit">https://github.com/MakisChristou/verifit</a>	77	Google play	<ol style="list-style-type: none"> <li>1. Launch the app, explore the create account option, and create an account.</li> <li>2. Log in to the app and explore its UIs.</li> <li>3. Create a new exercise and enter all required details.</li> <li>4. Search for the created account and start a workout session.</li> <li>5. Edit an existing exercise and update its information.</li> <li>6. Delete an exercise.</li> <li>7. Navigate to the chart UI.</li> <li>8. Navigate to the settings and explore the available options.</li> <li>9. Observe any pop-ups, permissions, or interruptions.</li> </ol>

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