Playwise Hackathon – Specialized Use Cases

1. Playlist Explorer Tree

• **Scenario:** Users want to explore songs hierarchically: Genre → Subgenre → Mood → Artist
• **What You Have to Do:** Implement a binary tree or n-ary tree for song classification and enable traversal.
• **Learn / Revise:** Tree traversal (DFS, BFS), Tree node representation
• **DS Used:** Binary Tree, N-ary Tree

2. Smart Recommendations from Play History

• **Scenario:** Recommend songs not played recently but with similar features (e.g., genre, duration, BPM).
• **What You Have to Do:** Store and filter songs from past play history. Select "unplayed but similar" ones.
• **Learn / Revise:** Filtering logic, Similarity check
• **DS Used:** HashMap, Sliding Window, Filtering logic