Shopify App Project Decomposition Plan

Phase	Tasks	Deliverables
1 Data Preparation	- Load shopify.xlsx into Power BI.- Review and clean data tables (apps, apps_categories, categories, reviews).- Set up relationships between tables where appropriate (e.g., apps ↔ apps_categories ↔ categories).	Clean Power BI data model ready for analysis (with relationships defined).
2 App Landscape Analysis	- Create App Landscape report page.- Build KPI Card: unique app count.- Build Line Chart: sum of review count by lastmod date.- Build Scatterplot: reviews_count vs average rating, with text box interpretation.	App Landscape page with 3 visuals and annotations.Screenshots of each visual and interpretation.
3 Reviews Analysis	- Create Reviews report page.- Create helpful_reviews column: rating * (1 + helpful_count) (DAX).- Build Card: average of helpful_reviews.- Create developer_answered column: 1 if developer_reply not blank, else 0 (DAX).- Build Scatterplot: developer_answered (X) vs average rating (Y).	Reviews page with visuals (card + scatterplot).Screenshots of each visual and interpretation.
4 App Reviews Analysis	- Create App Reviews report page.- Create many-to-one relationship: Reviews.app_id → Apps.id.- Build bar chart: developer (X) vs sum of rating (Y).- Build bar chart: developer (X) vs avg helpful_reviews (Y).- Build bar chart: developer vs developer_answered (filter reviews_count > 500).	App Reviews page with 3 bar charts.Screenshots of each visual.
5 Presentation & Submission	- Organize .pbix file with separate pages: App Landscape, Reviews, App Reviews.- Capture 8 required screenshots (one per visual or sub-question).- Compile screenshots into a folder.- Review and polish visuals (titles, labels, filters).	8 screenshots (for submission).Organized .pbix report.