**DATA ANALYST ASSIGNMENT**

The main goal of this test is to understand your technical skills and problem solving abilities. Please use Graphs to support your answers. Also provide SQL/R/Python scripts for each of the below questions.

QUESTIONS-

1. From the given Dataset, determine and analyze Day 1, Day 3, Day 7, Day 15 and Day 30 Retention. (Refer to **Session start** tab)
2. Create a Funnel of level progression and determine if any areas of the game are acting as blockers. (Refer to **Level Start** tab). Also, identify how many times levels are replayed.
3. What percentage of users make first time purchases between levels 1 to 7? (Refer to **Spenders** tab)
4. What percentage of users make a repeat purchase? At what level maximum repeat purchases happen? (Refer to **Spenders** tab)
5. Which packs generate the maximum revenue? (Refer to **Spenders** tab**)**