GROUP # 4

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1. Write down your 3 proposed systems to develop.

IDEAS:
1. SNAKE AND LADDERS GAME LEARNING SYSTEM

2. DICTIONARY WITH GRAMMAR CHECKER - a simple dictionary of english language alongside
a function where users can fix their grammars.
   - another function is a spelling bee minigame

3. Path Finder in Maze using BFS/DFS
Used:

2D Array represents the maze.

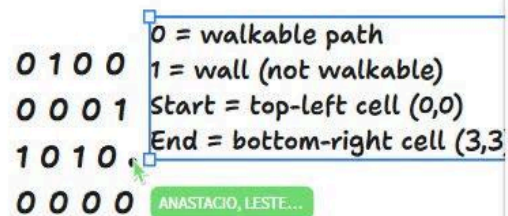Queue (for BFS) or Stack/Recursion (for DFS) — to explore paths.

Optional: Parent map or structure to track and reconstruct the path.

0 1 0 0
0 0 0 1
1 0 1 0
0 0 0 0

0 = walkable path
1 = wall (not walkable)
Start = top-left cell (0,0)
End = bottom-right cell (3,3)

ANASTACIO, LESTE...

4. Quiz/Test System with Scoreboard

Store questions using Arrays or Linked Lists.

Record user answers and maintain a scoreboard using a Heap or Priority Queue.

Optional: Randomize questions using a shuffle algorithm.

2. Meet with your group and decide what type of SDLC you will use to create a gantt chart and discuss the task responsibilities.

The type of SDLC we are going to use is **"Iterative Model"**

ALCANTARA, JASON - Documentation/Content Manager/Organizer

ANASTACIO, LESTER ARVID - Main developer/Lead Designer

AVILA, VINCE GABRIEL - Documentation/Content Manager

CATUNGAL, KERWIN JAN - Assistant Designer/Documentation

3. What possible 10 questions will you ask to find out how the business process works for one of your proposed systems.

1. What are the key steps involved in the current process you're using?

2. This helps establish a baseline of operations. Who are the main users or stakeholders involved in this process?

3. What tools or systems are currently being used to support this process?
   Reveals existing infrastructure and integration points.

4. What are the biggest pain points or inefficiencies in the current process?
   Pinpoints areas for improvement.

5. Are there any compliance, security, or regulatory requirements that must be met?

6. How will you measure the success of the new system?

7. Are there any exceptions or special cases that the system needs to handle?

8. How often does this process occur, and what volume of data or transactions does it involve?

9. Are there any regulatory, compliance, or data privacy requirements tied to this process?

10. What data or inputs trigger this process, and what outputs or results are expected at each stage?