I'm excited to share a quick overview of my role as a **Business Analyst** for the **Bucket List Mobile App** project. In this project, my main focus was on gathering requirements, defining key functionalities, and creating detailed documentation to guide the development team.

1. **Project Overview**

The **Bucket List Mobile App** is designed to help users create, manage, and track their goals and experiences. It’s available for both **iOS and Android** platforms, leveraging **AWS** for backend functionalities. The goal was to make goal-setting simple, engaging, and motivating for users.

1. **Key Functionalities**

I identified and documented several core features for the app, including:

**User Authentication:** Secure registration and login via **Clerk** using **email and password**.

**Bucket List Management:** Users can **create, edit, and delete tasks** and Status tracking for tasks as either **“Completed” or “In Progress”**.

**Task Generation System:** A feature to **suggest tasks** based on user preferences or randomly when users need inspiration.

**Progress Tracking:** Visual indicators like **progress bars and checkmarks** to help users track completed and pending tasks.

**Push Notifications:** Reminders for users to stay motivated and keep working on their tasks.

1. **UML Diagrams**

To provide clarity for the development team, I created a few **UML diagrams**:

* **Sequence Diagram:** This illustrates the interactions between the **User, System, and Database** during actions like login, task management, and progress tracking.
* **Class Diagram:** Showcases the main entities like **User, Task, and Notification** along with their attributes and relationships.
* **Activity Diagram:** Focuses on the **task creation process**, from adding a task to saving it in the database.

1. **User Stories**

I also developed detailed **user stories** with **acceptance criteria** to ensure the team understood the requirements clearly. For example:

* *“As a user, I want to securely create an account with my email so that I can access the app and save my progress.”*
* *“As a user, I want the app to suggest tasks when I run out of ideas so that I can keep adding exciting goals to my bucket list.”*

These user stories helped in keeping the development focused and aligned with user needs.

1. **Conclusion**

In summary, my role as a Business Analyst involved defining requirements, documenting key features, designing workflows, and creating UML diagrams to guide the team. This approach ensured a clear vision and smooth execution of the **Bucket List Mobile App**.