Sprint 2 Business Analyst Report

# Overview of Sprint 2

After successfully completing **Sprint 1**, where the team implemented **user authentication using Appwrite** and developed the **Home, Explore, and Profile pages**, we will now focus on enhancing the **Bucket List Management System** and integrating a **Task Generation System**. These features will allow users to efficiently manage their bucket list and receive task suggestions when they need inspiration.

The development team should prioritize the following two user stories in **Sprint 2:**

# User Story 2: Bucket List Management

**As a user, I want to create, edit, or delete tasks on my bucket list so that I can manage my goals efficiently.**

## Feature Breakdown:

* Users should be able to **add new tasks** with a title, description, and category (e.g., Adventure, Personal Growth, Travel, etc.).
* Users should be able to **edit tasks** in case they need to change the details of their goals.
* Users should be able to **delete tasks** that they no longer wish to keep.
* Each task can be marked as **“Completed”** or **“In Progress”**, allowing users to track their progress effectively.
* All tasks should be stored in the **backend database**, ensuring that they persist even after the user logs out.

## Acceptance Criteria:

✅ Users must be able to add new tasks by entering a **title, description, and category**.

✅ Users should be able to edit or delete tasks **without any errors**.

✅ Task status should update **accurately** when marked as **“Completed” or “In Progress.”**

✅ All tasks should be **stored in the backend** and retrieved correctly when users log in.

✅ The UI should provide **clear feedback** when tasks are added, edited, or deleted successfully.

## Technical Notes:

* Implement API endpoints to handle **CRUD (Create, Read, Update, Delete) operations** for tasks.
* Ensure data is synced properly in **database**.
* Optimize UI to make task creation and editing **intuitive and user-friendly**.

## Sequence Diagram:

A diagram of a task

AI-generated content may be incorrect.

# User Story 3: Task Generation System

**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.**

## Feature Breakdown:

* Users should have access to a **“Suggest Task” button** that, when tapped, provides task recommendations.
* Suggested tasks should be either:
  + **Randomly selected** from a pre-defined list.
  + **Personalized** based on user preferences and previous selections.
* Users should have the option to **instantly add** the suggested task to their bucket list with a single tap.
* The system should ensure **no duplicate tasks** are suggested if they already exist in the user’s list.

## Acceptance Criteria:

✅ Users must be able to **click a button** to receive a suggested task.

✅ Suggested tasks should be either **randomly selected or personalized** based on the user’s interests.

✅ Users should be able to **add a suggested task to their bucket list with one tap**.

✅ The system should **not suggest tasks that are already present** in the user's list.

✅ Task suggestions should be **visually appealing and clearly presented** in the UI.

## Technical Notes:

* Implement a backend API to **fetch random or personalized task suggestions**.
* Ensure **task duplication checks** are in place before suggesting a new task.

## Sequence Diagram:

A diagram of a task

AI-generated content may be incorrect.

# Next Steps & Development Priorities:

1. **Backend Development:** Implement API endpoints for managing tasks and fetching task suggestions.
2. **Frontend UI Design:** Create an intuitive and visually appealing task management interface.
3. **Task Suggestion Logic:** Develop a system for generating both random and personalized task recommendations.
4. **Testing & QA:** Ensure all functionalities work smoothly, with no UI/UX inconsistencies or backend errors.
5. **User Feedback Integration:** Allow early testing and feedback collection for future improvements.

By the end of **Sprint 2**, we aim to deliver a fully functional **task management system** and **task generation feature** that enhances the overall user experience of the Bucket List Mobile App.