1 Introduction

1.1 Purpose

The purpose of this Software Requirements Specification (SRS) is to define the functional and non-functional requirements for **QuestNest**, a gamified mobile application that assists families in organizing and rewarding household chores. This SRS establishes a common understanding of the system's intended features, behavior, and interactions so that designers and developers can implement the application effectively.

1.2 Scope

QuestNest transforms household chores into interactive quests using a reward-based system that encourages consistent participation. The application targets parents and caregivers who want to promote accountability and teamwork among children. Key benefits include improved family collaboration, reduced household stress, and increased motivation through goal-oriented gamification. The scope of this document is limited to describing the software features, interfaces, and constraints of QuestNest—not the organizational or marketing aspects of the product.

1.3 Definitions, Acronyms, and Abbreviations

Term	Definition
XP	Experience Points earned by users upon completing chores.
MVC	Model-View-Controller architectural pattern used to structure the application.
UI	User Interface—the visual layer through which users interact with QuestNest.
FastAPI	A high-performance Python framework used to implement RESTful endpoints.
Firestore	Google's NoSQL cloud database used to store and sync user data.
Flet	A Python framework built on Flutter for creating cross-platform UIs.

1.4 References

Lam, C. B., Greene, K. M., & McHale, S. M. (2016). Housework Time from Middle Childhood through Adolescence: Links to Parental Work Hours and Youth Adjustment. https://pmc.ncbi.nlm.nih.gov/articles/PMC5125879/

Rende, R. (2015). The developmental significance of chores: Then and now. https://www.researchgate.net/publication/269578645_The_developmental_significance_of_chores_Then_and_now

Society for the Psychology of Women. (2017). Research on Household Chores. household-chores. https://www.apadivisions.org/division-35/news-events/news/household-chores

1.5 Overview

Section 2 provides an overall description of the QuestNest system, including product perspective, functions, user characteristics, constraints, and assumptions. Subsequent sections of the complete SRS will define detailed functional and non-functional requirements.