

# Business Requirement Document (BRD)

## Project Overview

- Project Name: Water Track App
- Project Manager: Mr. Diptanshu Sinha
- Stakeholders: End Users, Product Owner, UX/UI Designer, Development Team, Health & Wellness Experts
- Objective: To design and develop a mobile application that helps users track and improve their daily water intake through reminders, analytics, and personalized hydration plans.

## Project Objectives

- Enable users to easily log and track their daily water consumption.
- Provide timely reminders to encourage healthy hydration habits.
- Deliver personalized hydration plans using basic health metrics.
- Display visual insights to motivate users and track progress.
- Ensure a seamless, responsive experience on both mobile and desktop.

## Scope of Work

### In-Scope:

- User registration and login
- Personalized water intake goal calculator
- Daily logging of water consumption
- Push notifications/reminders
- Dashboard with hydration stats
- User profile and settings
- Dark/light mode toggle

### Out-of-Scope:

- Integration with wearable devices (e.g., smartwatches) in the initial phase
- Voice assistant or AI coaching
- Multi-language support (future release)

# Business Requirements

- **User should be able to:**
  - Log their water intake manually
  - Receive customizable reminders
  - View hydration trends through visual analytics
  - Set personal hydration goals
- **System should:**
  - Store and secure user data
  - Send push/email notifications
  - Provide an intuitive UI/UX
  - Maintain consistent performance and uptime

# Stakeholder Analysis

- **Primary Stakeholders:**

Role	Name/Team	Responsibility
Product Owner	Mr. Suresh	Oversees development, validates features.
Development Team	Internal Dev Team	Builds and tests application.
End Users	General public, fitness enthusiasts	Use the app to track hydration.
UX/UI Designer	Design Consultant	Designs interface and user journey.
QA Team	Internal QA	Tests all functionalities

- **Information Sources:**
  - User interviews
  - Competitor analysis
  - Health and hydration guidelines from WHO

## Project Constraints

- Time: Development window limited to 3 weeks
- Budget: Limited funding; using open-source tools and free-tier APIs
- Technology: Must use React for frontend, Flask/FastAPI for backend
- Compliance: Must meet basic privacy standards (GDPR-like)
- Team Size: Small development and design team

## Cost-Benefit Analysis

### ➤ Costs:

- Developer and designer man-hours
- Backend hosting (Render/Heroku)
- Domain and basic server costs
- Time invested in design, testing, and deployment

### ➤ Benefits:

- Promotes public health and hydration awareness
- Builds a portfolio project that can scale into a full health suite
- Potential for monetization via ads or premium features
- Increases user engagement and retention through daily usage

## Approval Sign-off

- ☐ Business Analyst:
- ☐ Project Manager:
- ☐ Technical Lead:
- ☐ Quality Assurance:
- ☐ Stakeholder(s):