

BrainBuddy – Smart Scheduling for ADHD Users

Authors:

Alon Barak

Ofir Berkovitsh Zukerman

Advisor:

Dr.Natali Levi



Problem Definition

Adults with ADHD often struggle with:

- Task organization
- Time management
- Maintaining focus

BrainBuddy provides a solution through:

- Dynamic, science-backed algorithms
- A clean and supportive interface

Key Features

- Personalized schedule generation with 3 daily options
- Task scoring algorithm based on urgency, difficulty, and deadline
- Focus Mode with countdown timer and productivity tips
- Firebase-backed real-time sync and notifications
- Intuitive interface designed for ADHD cognitive flow

Our Approach

We designed an adaptive scheduler with intelligent task prioritization:

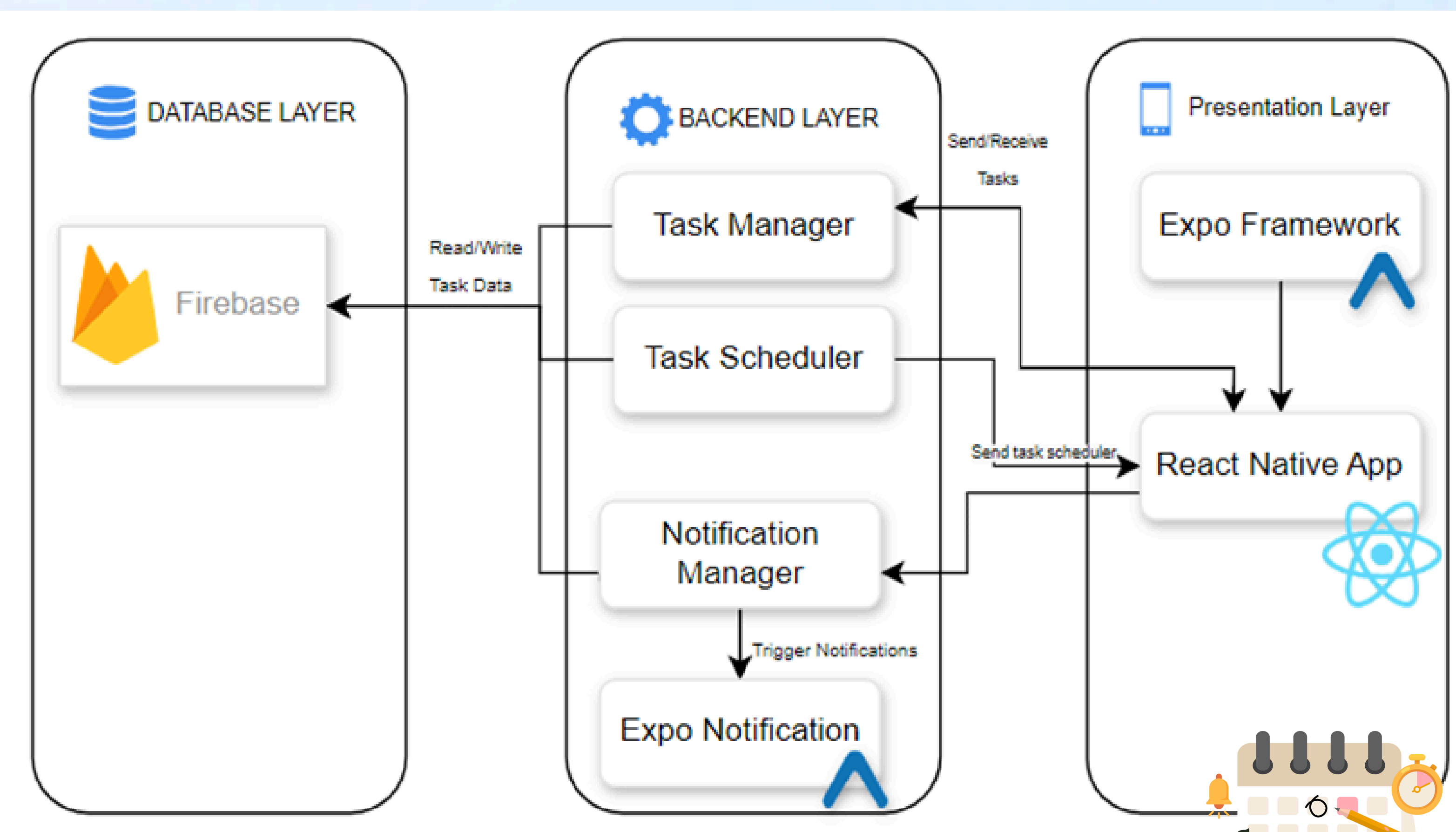
Task Scoring Algorithm:

- Urgency – 45%
- Difficulty – 35%
- Deadline – 20%

Schedule Generator:

Offers 3 balanced task plans to choose from

Project Architecture



User Experience Results

We tested BrainBuddy with 6 participants, and the feedback was highly positive:

- Over 80% found the app intuitive and easy to use
- 85% felt the schedules helped them stay organized
- Most users found the notifications and focus timer helpful
- 70% said they would keep using the app

