

# Budgeting App

by Esa Chen, Junhao Qu



A survey by Bankrate said "money has a negative impact on their mental health, including causing stress."

Young adults, especially students, find themselves overwhelmed by financial responsibilities, lacking both motivation and the necessary tools to cultivate healthy financial behaviors.

→ Build Budgeting App!



# Problem Statement



## Importance

With Increasing complexity of our financial lives (different kinds of expenditure), personal finance management is more important than ever.

## Reduce Boredom

However, while these apps excel in functionality, they often fail to engage users in a meaningful and sustained manner.



# Motivation

## Increase Awareness

Many people struggle with overspending simply because they lack awareness of where their money is going.

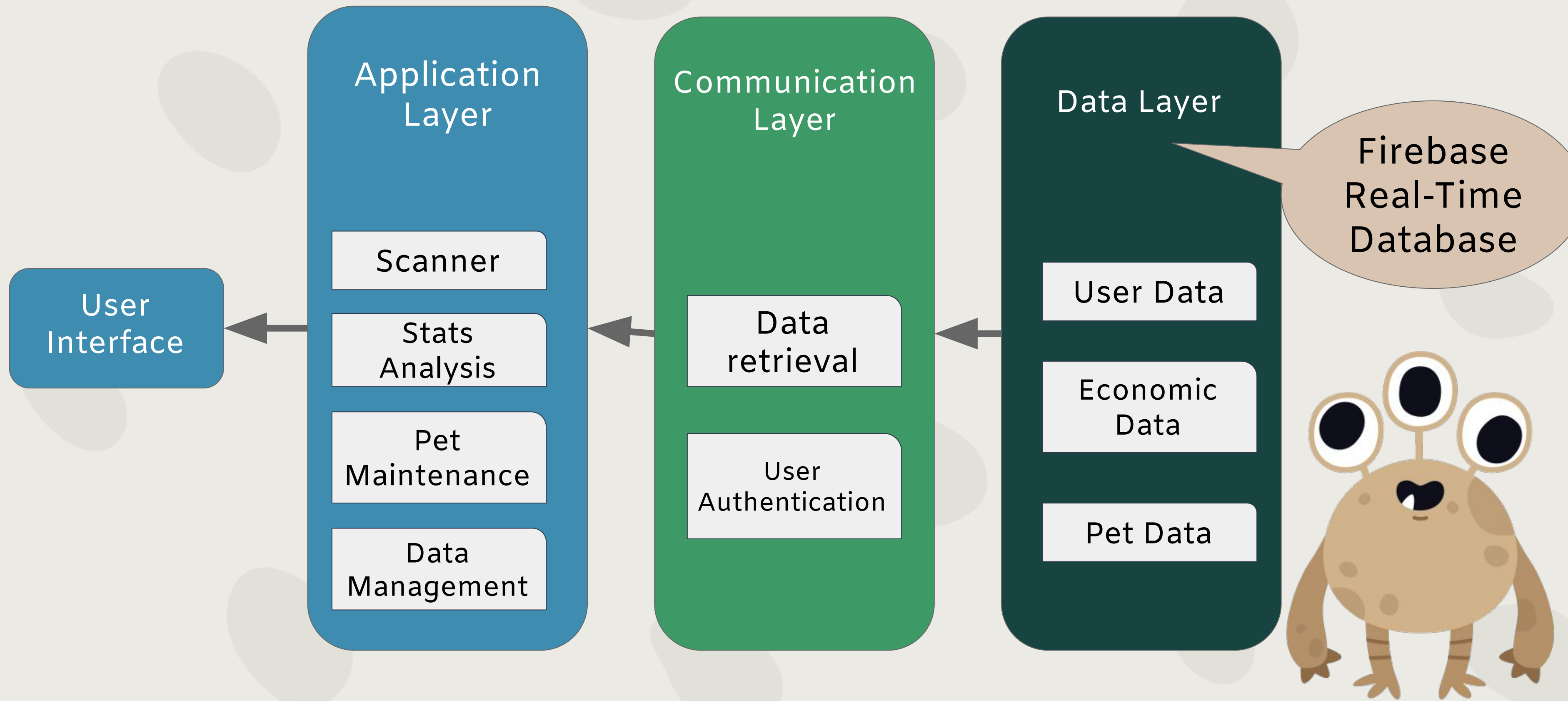


- a budgeting app tailored for students with a unique pet-keeping feature aimed at adding fun to the budgeting process.
- helps students cultivate the habit of recording their spending and earnings, making budgeting a more engaging and interactive experience.

# Project Idea



# Architectural Diagram



## Key User Tasks

- User registration/authentication
- View Instruction Pages
- Record expenditure/income
- View record for a specific date
- View spending habit
- Interact with pet
- Log out
- Notification at 10 pm



App  
Feature



# Demo Time!



- Lack advanced data analysis
- Lack integration with external financial services
- Pet-keeping feature is basic and does not have many interactive elements.
- Can't editing result from receipt scanner
- Does not has many user features
- Can't change/switch currency

# Limitation





## GOALS

1. Improve user interface
2. Add features such as goal setting.
3. Integrate machine learning for budget suggestions.
4. More gamification elements.
5. More flexible on user input.

# Future Plan



Swift - Learning a new  
programming language

Database - Compatibility of  
the Firebase and Swift

Animation - Add a animation  
that interacts with User

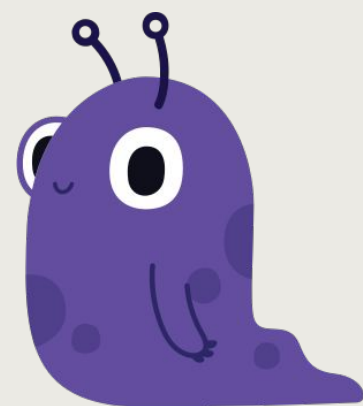


# Challenges

**Thank You!**







Q&A

