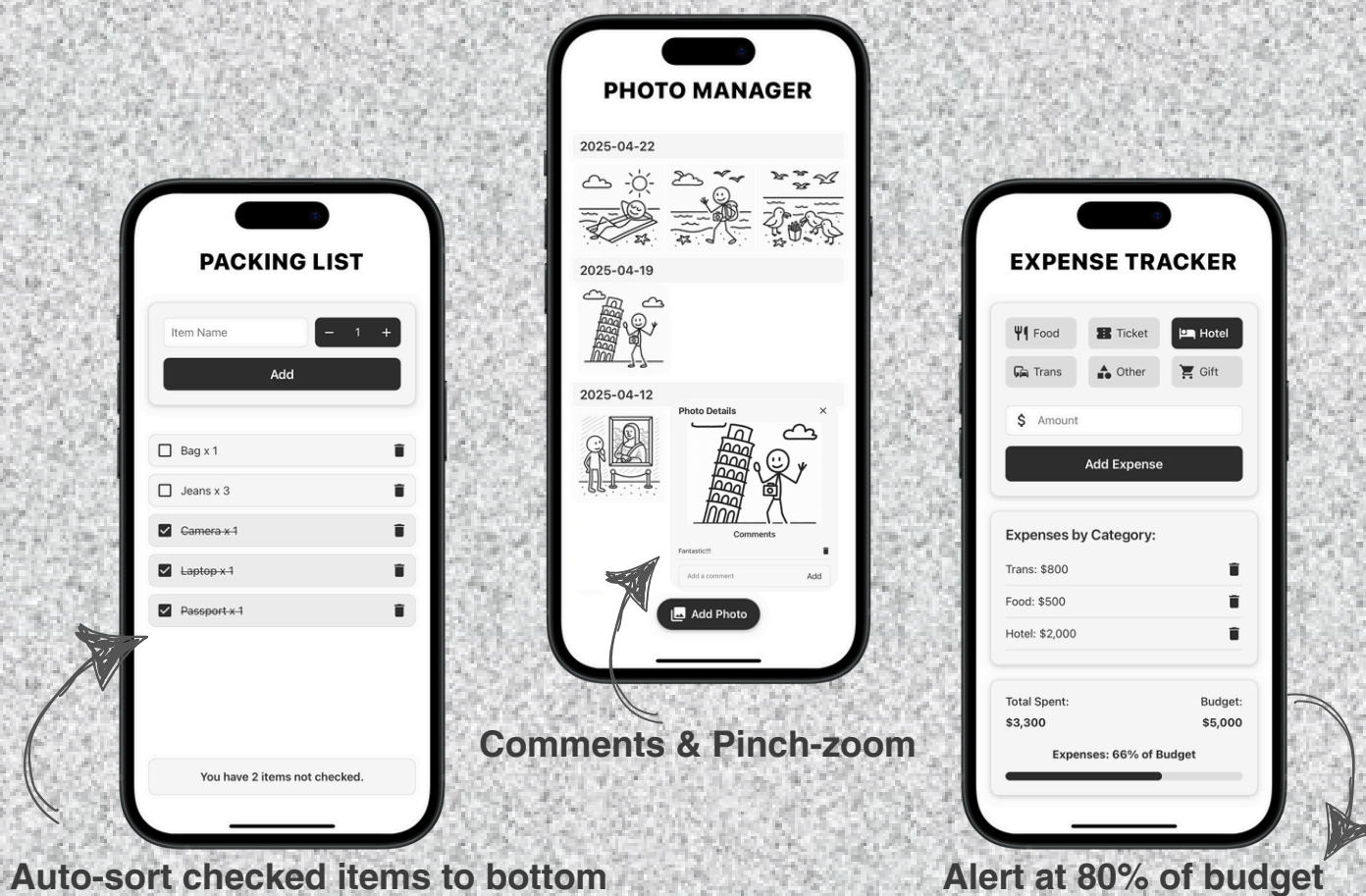# TRAVEL MATE

SHIHUA YIN

Introduction

That once-in-a-lifetime trip shouldn't mean juggling five different apps. **Travel Mate** rolls packing, spending, and journaling into one handy little assistant, cutting the hassle so you can just enjoy the journey.

User Flow

- Sign up / Sign in
- Create a new trip
- Add items to Packing Checklist
- Log expenses in Expense Tracker
- Browse Travel Journal (by date)
- View trip summary

PACKING LIST

Item Name — 1 +

Add

☐ Bag x 1
☐ Jeans x 3
☑ Camera x 1
☑ Laptop x 1
☑ Passport x 1

You have 2 items not checked.

Auto-sort checked items to bottom

PHOTO MANAGER

2025-04-22

2025-04-19

2025-04-12

Photo Details ✕

Comments

Fantastic!!!

Add a comment   Add

Add Photo

Comments & Pinch-zoom

EXPENSE TRACKER

🍴 Food   🎫 Ticket   🏨 Hotel
🚌 Trans   ⚙ Other   🛒 Gift

$ Amount

Add Expense

Expenses by Category:

Trans: $800
Food: $500
Hotel: $2,000

Total Spent: Budget:
$3,300 $5,000

Expenses: 66% of Budget

Alert at 80% of budget

EASTER HOLIDAYS

✓ Packing List
1 item not checked

$ Expenses
16% of budget

🖼 Photos

Scan it

Implementation

- Balsamiq (UI Design)
- React Native (Development)
- Expo (Build and test)
- Firebase Auth (User authentication)
- Firestore (Realtime database)
- Firebase Storage (Image storage)

Conclusions

Travel Mate has met the product goals through continuous testing, real-time data synchronization, and user feedback. Extensible architecture ensures stable performance across devices, while on-device image compression makes uploads faster and smoother. Future plans include one-click social sharing, offline caching, and intelligent packing suggestions—to keep each journey lighter and more social.

Testing

Functional tests covered all critical flows —sign-in, trip creation, packing checklist, budget tracking, photo management — every case passed reliably in the live Firebase environment. Ten scenario-based user tests confirmed overall usability and pinpointed the next areas for refinement.