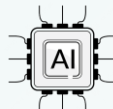# CanvasX

Taming the Chaos of Group Travel

Collaborative Planning

Transform group travel planning from chaos to creativity

AI-Powered

Smart suggestions that adapt to your group's unique needs

Seamless Booking

One-click booking directly from your collaborative plan

A Collaborative AI-Powered Travel Planner

A Submission for the TRAVEL-WIZARD Hackathon

By Hin Jian Heng

Group Travel Planning is Broken

Current state of group travel planning creates more problems than solutions

Logistical Chaos

Ideas scattered across chats and disorganized spreadsheets. Impossible to Impossible to track decisions and maintain a coherent overview.

Impersonal Tools

Static itineraries that don't adapt to group decisions. Rigid structures fail to structures fail to accommodate real-time changes.

Unintelligent Automation

AI planners that ignore critical constraints like budgets, fatigue, and group and group dynamics. Suggestions often impractical.

Decision Fatigue & Conflict

Planning process leads to decision exhaustion. Difficulty reaching consensus saps excitement and creates tension.

Introducing CanvasX

Transforming group travel planning from chaos to creativity

1

What is CanvasX?

A real-time, visual canvas designed for groups to plan travel collaboratively, powered by an AI co-pilot.

"Our aim is to transform the often-stressful chore of trip planning into a creative and collaborative journey."

Dynamic Visual Canvas

A single, centralized source of truth for the entire group. Eliminates scattered ideas and information across various chat applications and disorganized spreadsheets.

AI as a Facilitator

Our AI functions as an intelligent co-pilot, guiding the planning process to ensure a balanced and feasible trip. Offers non-intrusive suggestions that adapt to group preferences.

Built-in Consensus Tools

Integrates built-in consensus tools like voting on ideas and preferences. Enables groups to make choices frictionlessly, fostering agreement and ensuring everyone feels heard.

Key Features: Intuitive Planning, Smarter Results

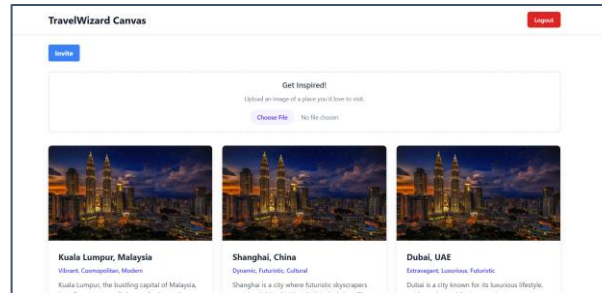CanvasX offers intuitive planning capabilities that lead to smarter, more enjoyable travel results

AI-Powered Inspiration

Transform abstract preferences into concrete travel ideas.

- Upload an image of your desired travel "vibe"

- AI analyzes the visual input to suggest destinations

- Makes initial planning more engaging and personalized

Real-Time Collaborative Canvas

- Co-design your perfect itinerary together, live

- Drag and drop hotels, activities, and restaurants

Intelligent Itinerary Validation

AI coach provides non-intrusive suggestions to optimize your trip.

- Analyzes schedule for issues like overpacked days

- Offers recommendations to improve pacing

- Ensures a balanced and feasible trip for everyone

DEMO: Step 1 - Inspiration & Consensus

From a Single Photo to a Group Decision

Upload Your Vibe

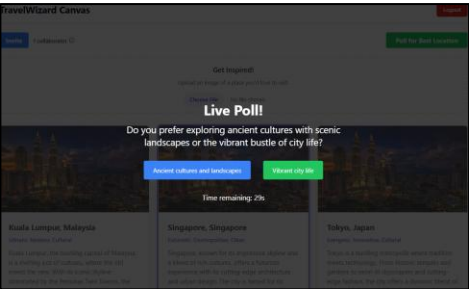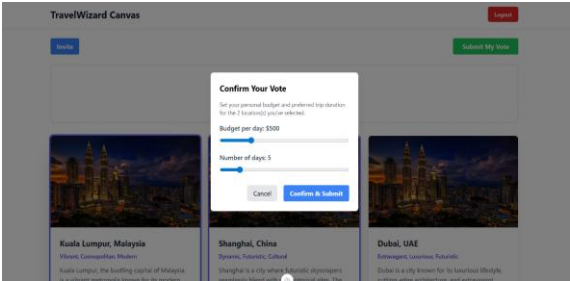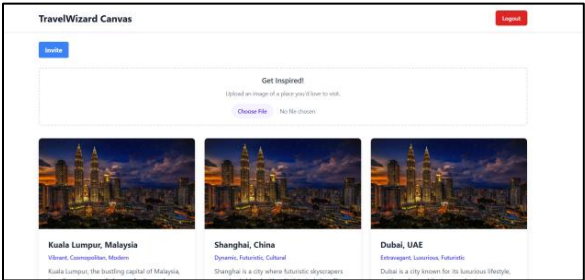A user uploads a photo of a place they love

Get AI Suggestions

AI instantly suggests destinations that match the aesthetic and mood

Set Constraints & Vote

Group votes on top choices and sets budget and trip duration

DEMO: Step 2 - Building the Itinerary

Co-creating your perfect travel experience

Real-Time Collaborative Canvas

Invite friends to a shared workspace where you can drag and drop hotels, activities, and restaurants onto a visual timeline. All group members can participate in the planning process, fostering a shared vision.

Intelligent Itinerary Validation

Our AI coach analyzes your schedule to identify issues like overpacked days or gaps. It offers real-time suggestions to improve pacing and ensure a balanced trip for everyone.

Seamless One-Click Booking

Finalize your plan with a single click. CanvasX transforms your interactive itinerary into a booked reality with direct links to hotels, tours, and restaurants.

A Win-Win for Users and the Platform

CanvasX creates mutual value for both users and the TRAVEL-WIZARD ecosystem

For Users

A Joyful Experience

Planning becomes fun, intuitive, and conflict-free, eliminating logistical nightmares.

Better Trips

Create balanced itineraries everyone agrees on, adapting to individual preferences.

Effortless Booking

Seamless transition from plan to booked reality with direct booking links.

For TRAVEL-WIZARD

A "Sticky" Platform

Engaging and collaborative planning experience drives deep user engagement and retention.

Viral Growth Loop

Collaborative nature encourages users to invite friends, expanding the user base organically.

New Revenue Streams

High-intent monetization via affiliate partnerships, leveraging itineraries for bookings.

Built on a Modern, Scalable Stack

Our technology architecture is designed for performance and growth

Frontend

Nuxt.js 3 & Vue.js for interactive UI

Backend

Supabase for real-time sync and database

AI Layer

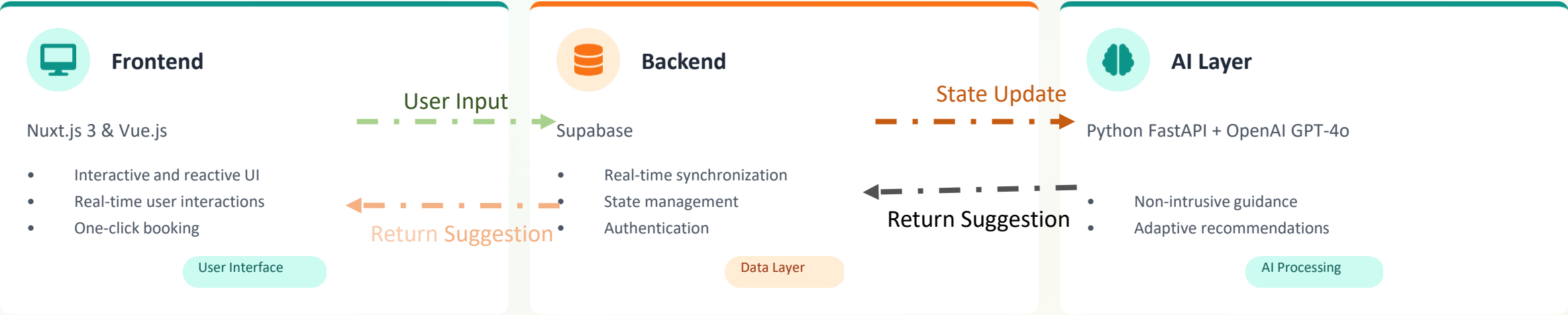Python FastAPI + OpenAI GPT-4o for AI capabilities

Deployment

Vercel & Docker for seamless scaling

Robust, Real-Time, & Ready to Integrate

A three-tier architecture designed for performance and scalability

Our architecture facilitates seamless interaction and dynamic updates for a collaborative planning experience.

Frontend
Nuxt.js 3 & Vue.js

- Interactive and reactive UI
- Real-time user interactions
- One-click booking

User Interface

User Input →

← **Return Suggestion**

Backend
Supabase

- Real-time synchronization
- State management
- Authentication

Data Layer

State Update →

← **Return Suggestion**

AI Layer
Python FastAPI + OpenAI GPT-4o

- Non-intrusive guidance
- Adaptive recommendations

AI Processing

A Clear Path to Profitability

Monetization strategies for sustainable growth

Affiliate Partnerships

Primary revenue driver through revenue-sharing with major travel booking platforms.

Booking.com   Klook   Skyscanner

Premium Features

"CanvasX Pro" tier with advanced AI coaching and export options.

- ✓ Enhanced AI coaching
- ✓ Export options
- ✓ Ad-free experience

Corporate Solutions

SaaS solution for businesses planning team offsites and corporate retreats.

- ✓ Group management tools
- ✓ Expense tracking
- ✓ Centralized planning

Launch   **Growth**   **Revenue**   **Profitability**

Our Post-Hackathon Roadmap

A strategic four-quarter plan to continuously improve and expand CanvasX

Q1: MVP Launch

Core Foundation

- Collaborative canvas with real-time co-editing
- Basic voting mechanisms
- AI-powered destination suggestions

Q2: Intelligence

Enhanced AI Capabilities

- Smart Itinerary Balancing
- Retrieval-Augmented Generation (RAG)
- Contextually aware recommendations

Q3: Monetization

Revenue Generation

- Affiliate links with Booking.com, Klook, Skyscanner
- Core revenue streams established
- Comprehensive partnership programs

Q4: Personalization

Advanced Features

- LLM memory for personalized travel styles
- Calendar app integrations
- Seamless scheduling capabilities

We're Not Just Building a Tool

CanvasX eliminates the friction so groups can focus on what truly matters: creating memories together.