



# **Skippy**

**See more. Wait less.**

# The “What?” — The Problem / Need

*Paris is stunning... but also swamped.*

**Tourists waste valuable hours waiting in lines.**

**They often don't know:**

- **How long the current wait is**
- **Whether they can fit a visit in before dinner/plans**
- **If there's a better nearby option right now**

**Need: A way to see real-time wait times for attractions — before deciding where to go.**

# The “Who?” — Our Users

## Target Clients:

- Tourists in Paris
- Travel planners, concierges
- Locals squeezing in a visit on a lunch break

## User Scenario:

**“It’s 4pm. You have dinner at 6.  
Can you squeeze in the Louvre?  
SKIPPY tells you: ‘Too long — try Notre-Dame instead.’”**



# The “Why?” — Our Mission

**We built SKIPPY to turn 2 hours of line-waiting into 2 more hours of real memory-making.**

- **Makes trips more spontaneous**
- **Reduces travel stress**
- **Helps visitors see more, waste less**

# Our Solution

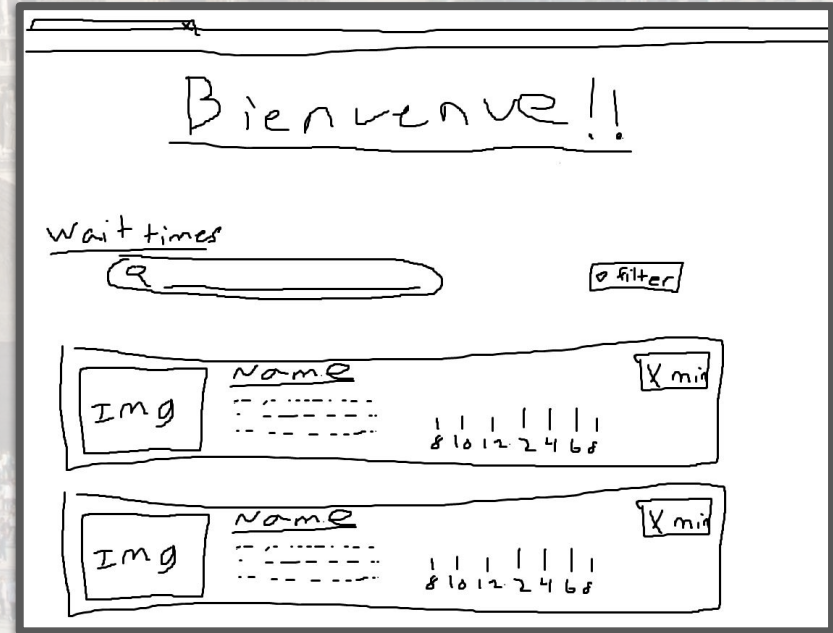
***We created a web app that shows real-time wait times at major Paris attractions.***

- **Instant search by name**
- **Live wait time data**
- **Clean, mobile-friendly UI**
- **Simple enough to use in the metro or on the go**

# Original Roadmap

## Original Plan

- Fetch & display wait times
- Search/sort by name or wait time
- Show site cards (image, name, wait)
- Sensor-based backend (beam break + ultrasound)
- Refresh data every 3 minutes





# Evolution of our Roadmap

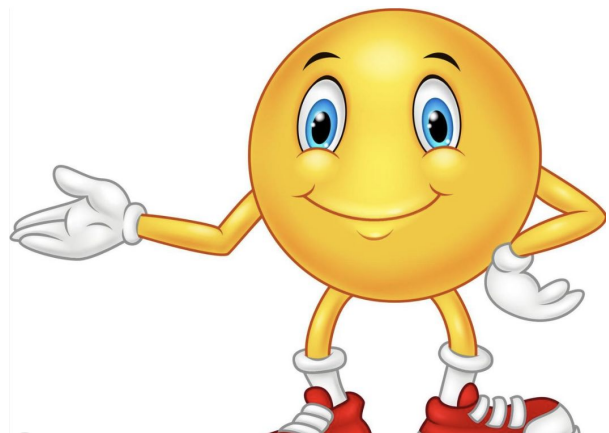
## ***What We Added***

- **Ticket links:** Dedicated page with "Buy Tickets" buttons for each attraction
- **Welcome and Contact pages**
- **Map view:** Interactive map showing sites + live wait times
- **Improved layout:** Cleaner styling, icons, better mobile UX
- **Refreshes every 10 seconds**

Dripped out Hippo, nickname drippo,  
Heaviest chains best fits in the buizzo,  
Hippos online so “Ah he’s cringy”,  
Drippo don’t mind he knows he’s himothy  
Habitat hypebeast dressed up nicely,  
Keeps it on the low and lets the looks speak highkey,  
When it gets hot drippo stuntin in the mud,  
Swamp stamp start drippin stuntin in the club,  
When that new new drop drippo stuntin on the plug,  
Drippo stuntin right now because he wanna just because







# How It Works

## Sensor Model:

- Sensors at each site measure:
  - Distance from the back of the line
  - Flow rate (people leaving per minute)
- Algorithm calculates estimated wait time:

```
const maxCapacity = 2000; // Maximum capacity of the attraction
const standingDensity = 5; // Average number of people per meter
const waitTime = Math.ceil((maxCapacity - jsonMessage.distance * standingDensity) / (jsonMessage.count*4));
```

Find sights that fit your schedule.

# Technical Architecture

## SKIPPY is built on the following:

### Frontend

- HTML
- CSS
- Javascript

### Backend

- PostgreSQL
- MQTT JS
- Express JS

### Hardware

- ESP32 (Computing and networking module)
- Buttons (To simulate the beam-break sensor)
- HC-SR04 Ultrasonic sensor







FRONTEND

express

BACKEND

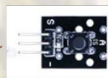
MQTT.js



PostgreSQL



ESP82



Button (Simulate Beam Break)



Ultrasonic Sensor

HARDWARE

# Our Web App at a Glance

*Our Platform: Fast, Friendly, Intuitive*

Key features:

- **Searchable attraction list with wait times**
- **Curated historical and cultural sites**
- **Mobile-friendly design**
- **Built for speed & clarity — just what a tourist needs on the go**

*Skippy is built for people who don't have time to waste.*

# SKIPPY

[Welcome](#)[Musées](#)[Billets](#)[Contact](#)

## Tourist Attractions in Paris

Search for a site

Type to search...

-- Select a site --



SORT BY WAIT TIME

MAP VIEW



### Arc de Triomphe

Monument honoring French soldiers; views from the top

52 min



### Arche de la Défense

Monumental arch in the heart of Paris's modern business district

1h 10min



### Basilique du Sacré-Cœur

1h 11min

## Plan Less. Experience More.

Skippy includes direct ticket access to top Paris museums — helping travelers go from browsing to booking in seconds.

### Features:

- One-click ticket buttons
- Covers major museums like the Louvre, Orsay, and Pompidou
- Simple layout designed for mobile ease
- Saves time for travelers who don't want to stand in queues or search multiple sites

# SKIPPY

[Welcome](#)[Musées](#)[Billets](#)[Contact](#)

## Paris Museum Tickets

Musée du Louvre

[Buy Tickets](#)

Musée d'Orsay

[Buy Tickets](#)

Centre Pompidou

[Buy Tickets](#)

Musée Rodin

[Buy Tickets](#)

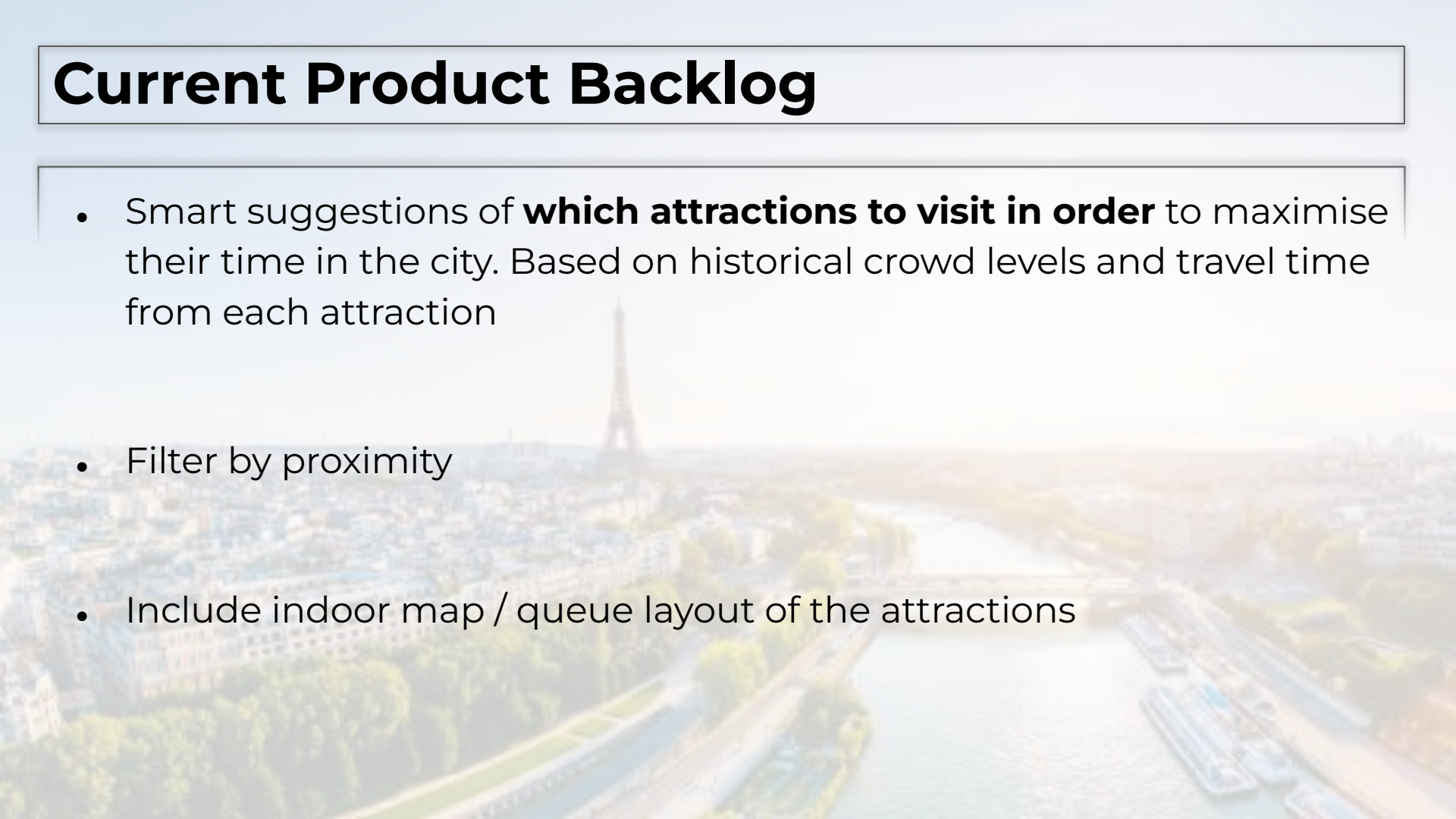
Musée de l'Orangerie

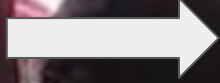
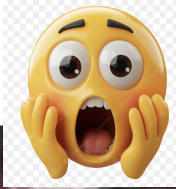
[Buy Tickets](#)



# Current Product Backlog

- Smart suggestions of **which attractions to visit in order** to maximise their time in the city. Based on historical crowd levels and travel time from each attraction
- Filter by proximity
- Include indoor map / queue layout of the attractions





Who was really  
behind all those  
Downs' parties  
you'll never  
believe!!



***Thank you***