



NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina

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Travel Itinerary Planner

(working title)

Stage 1: Project Proposal

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Travel Itinerary Planner

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Problem Description

Planning a vacation itinerary is complex, requiring careful coordination of time, travel, and activity reservations. Inefficient planning can lead to wasted time, missed activities due to closures or weather, and redundant travel. Discovering places to visit should align with existing plans, ensuring proximity and matching user interests.

Target Users

The app targets individuals who seek a well-organized, custom vacation without investing too much time in planning:

- **First-time travelers:** Need guidance on top attractions and navigation.
- **Frequent travelers:** Optimize itineraries for efficiency.
- **Groups or families:** Planning collaborative trips with shared activities.

Project Goal

An App/Website to plan out a vacation with the following capabilities:

- Discovery of interesting places to visit, restaurant, etc.
- Adding and removing these places to a “bucket list”
- Custom itinerary planning that considers
 - Travel time between locations
 - Opening hours and reservations
 - Weather conditions for indoor/outdoor activities
 - Personalized meal time

Existing Solutions

- **Google Maps/Apple Maps:** Offer discovery but focus on navigation, not full itinerary planning.
- **Tripadvisor:** Provides attraction details but lacks route optimization and scheduling.
- **Sygie Travel:** Adds scheduling but doesn’t consider opening hours or weather.

This app will go beyond existing solutions by providing a holistic, dynamic itinerary planner that adapts to real-world conditions.