



ParkSense_

The parking app for Modena

1. Research



Parksense_

1.1 Context and motivations



Efficient parking search



New payment paradigm



1-click experience



**Simplify the parking
experience**

1.2 Critical Issues and Opportunities



Critical issues

- Parking anxiety
- Uncertain parking duration
- Complexity of payment



Opportunities

- Real-time parking information
- Autonomous parking duration management
- Pay as you go

1.3 Assessments and Assumptions



Do you understand what the app is for?

The three welcome pages are useful for getting started when using the app for the first time.

What are the app's strengths?

The teardrop-shaped map pins, both filled and empty, a really smart solution, especially for colour-blind accessibility.

Is the map easy to navigate?

The legend is very useful for navigating the map and quickly finding free areas.

I preferred to see the occupancy of each parking space individually.

The app's strengths are its simple parking search and automatic parking management.

Were you able to find what you were looking for easily?

In my opinion, the column should also accept coins.

It's so convenient to view the restricted traffic zone and monuments in a city I've never visited!

What are the critical issues?

2. Benchmarking



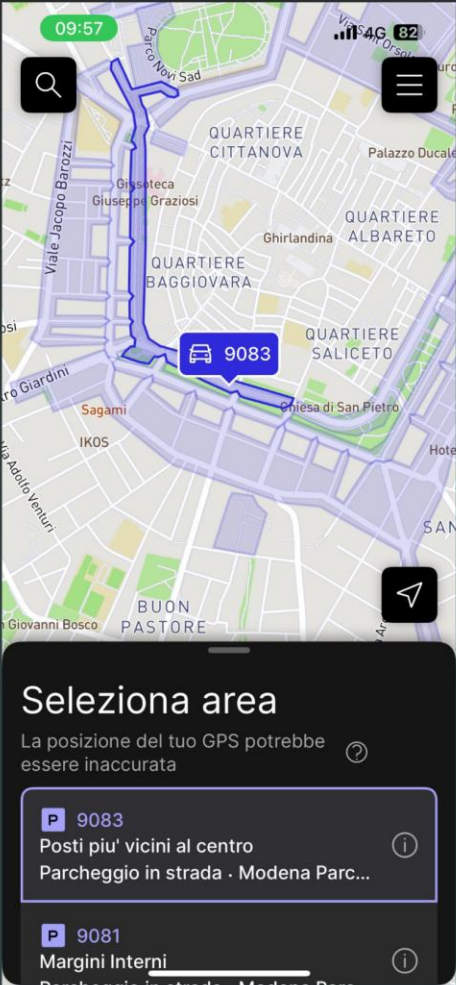
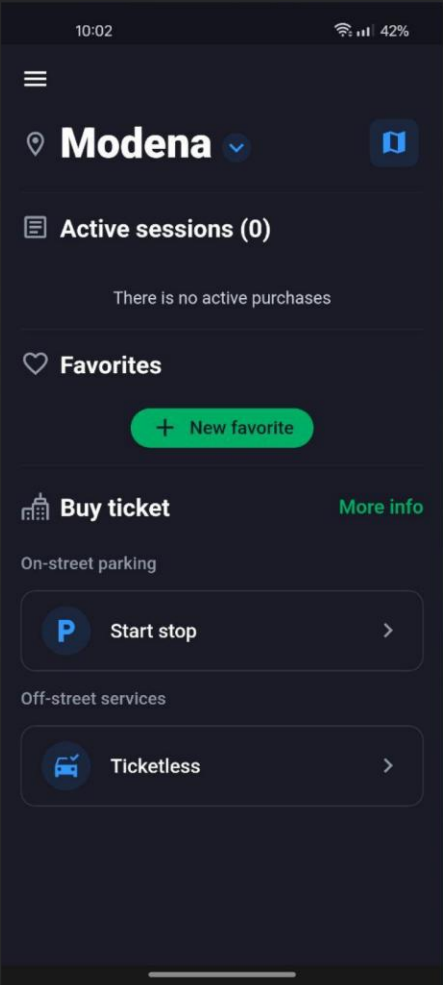
ParkSense_

2.1 Benchmarking - Competitor



	Map with parking areas	Select parking duration	Flexibility of parking duration	AI prediction	Column integrated	Customisable map	Integrated navigation in app	Level of use of zones	Support for other cities	Ticketless underground parking
ParkSense	✓	✗	✓	✓	✓	✓	✓	✓	✗	✗
EasyPark	✓	✓	✗	✗	✗	✗	✗	✗	✓	✓
MoneyGo	✓	✓	✗	✗	✗	✗	✓	✗	✓	✗
BMove	✓	✓	✗	✗	✗	✗	✗	✗	✓	✓

2.2 Benchmarking - Inspiration



3. Personas



Parksense_

3.1 Personas



Antonio, the parking engineer

Antonio is an engineering student who struggles to find parking at his university every day.

Background:

- An ordinary citizen of Modena.
- Fairly tech-savvy.

Objective:

- To park quickly and stress-free.

Key action:

- Check parking availability.
- Drive to the car park.
- Park and start the session.
- Leave the car park.



Sebastiano, the tech taxi driver

Sebastiano is a tech-savvy taxi driver who doesn't want to waste time and wants to maximise his rides.

Background:

- A worker who uses ParkSense to optimise his work.

Objective:

- Find a free taxi slot.

Key action:

- Search for a free taxi slot.
- Head to the slot and occupy it while waiting for the next ride.



Emily, the smart traveller

Emily is a tourist who loves culture and gastronomy; she has rented a car and wants to explore Modena!

Background:

- A tech-savvy tourist who wants to find out about parking and attractions in Modena.

Objective:

- Discover points of interest and nearby parking spaces

Key action:

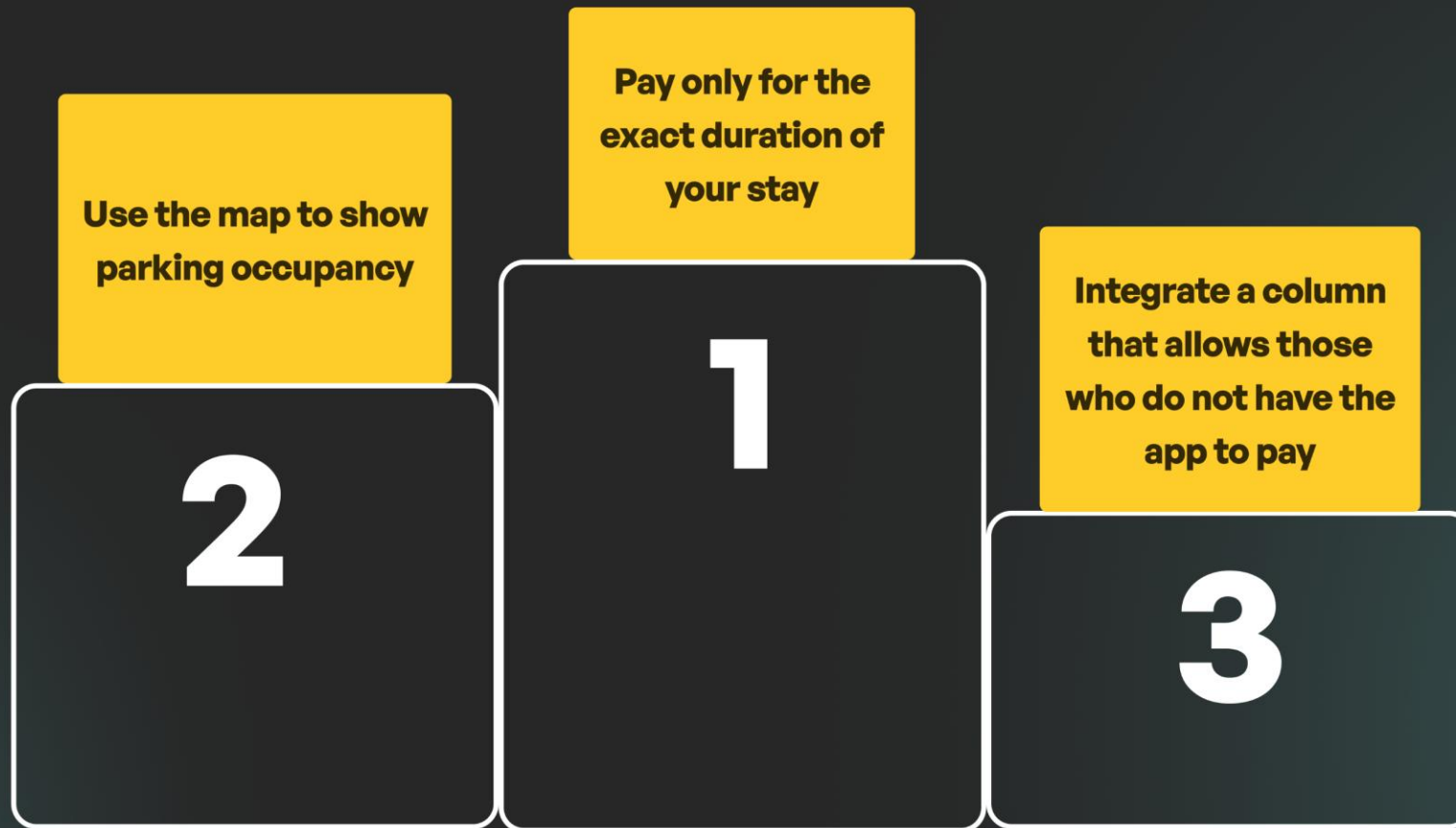
- Open the map and view attractions
- Discover nearby parking spaces and park without entering the restricted traffic zone

4. Idea



Parksense_

4.1 Big Idea



4.2 Other Ideas



**Possibility to
customise the app
according to user
needs**

**Implement the
navigation system
within the app map**

**Predicting parking
availability with AI**

**Allow users to have
multiple license
plates and payment
methods associated
with their account.**

**Search for a specific
address on the map**

5. Design system



Parksense_

5.1 Modern Style



Style characteristics

Elements

- Shapes: Rounded, square, or mixed edges.
- Shadows: Few, short, and subtle to give depth.
- Colors: Subtle gradients or flat/monochromatic color palettes.
- Typography: Clean and legible fonts with a clear hierarchy.
- Icons: Simple, minimalist, and intuitive.

Spacing and Visual Hierarchy

- White space: Extensive use for clarity and focus.
- Alignment: Precise for order and harmony.
- Visual hierarchy: Clear distinction between primary and secondary elements.

Interaction and Feedback

- Visual feedback: Immediate response to every touch/click.
- Navigation: Clear, intuitive, and predictable structures.
- Simplification: Elimination of superfluous elements to reduce cognitive load and focus on content.
- Accessibility

5.2 Palette - Typography - Icons



Main



Robin egg blue
#63CCCC

Accent



Dark red
#733945

Background



Onyx
#35393C

Shades



Typography

General Sans

Icons



Map



Sessions page



Zone not very full



Zone almost full



Full zone

5.3 Logo



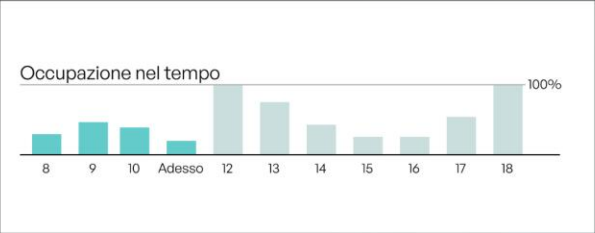
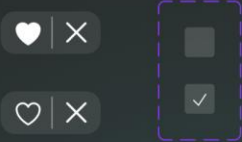
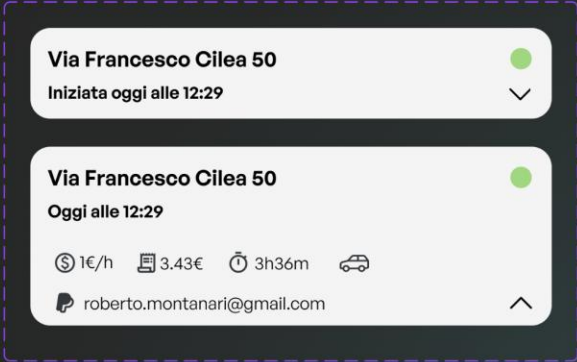
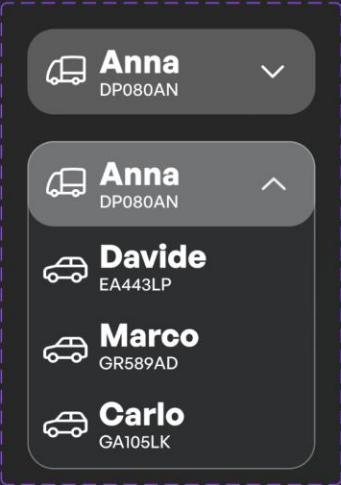
Selected idea



Discarded ideas



5.4 Components and variants



Legenda

- Pieno
- ◐ Quasi pieno
- Libero

6. User Journey map



ParkSense_




6.1 User Journey



USER INFO
Emily, the American tourist

SCENARIO
He rented a car and wants to visit Modena's points of interest during his vacation.

EXPECTATIONS
You expect to find free parking spaces near points of interest, with routes and an easy way to pay.

STAGES	STAGE 1	STAGE 2	STAGE 3
GOALS	Find parking near points of interest	Start the parking session	Leave the parking lot and pay
ACTIONS	1. Explore points of interest 2. Drive to free parking using our integrated navigation system	1. Park 2. Start the parking session by clicking “Start” on the app.	1. Get in the car 2. Leave the parking lot
THOUGHTS	1. What do I want to visit now? 2. Let's check if there's a free parking space.	1. How do I pay? 2. How does it work?	1. How much did I pay? 2. Wow, I paid exactly for the duration of the parking.
PAIN POINTS	1. He doesn't know where there is a free parking 2. He doesn't know how to get to the points	1. He doesn't know how long he'll stay in that parking lot.	1. No one, because the user has just left the parking lot.
EMOTIONS			
TOUCHPOINTS	The user interacts with the app, the map, and the navigation system.	The user interacts with the sessions page and the parking spot on the map where they parked.	The user interacts with the notification that comes from the app.

7. Prototype

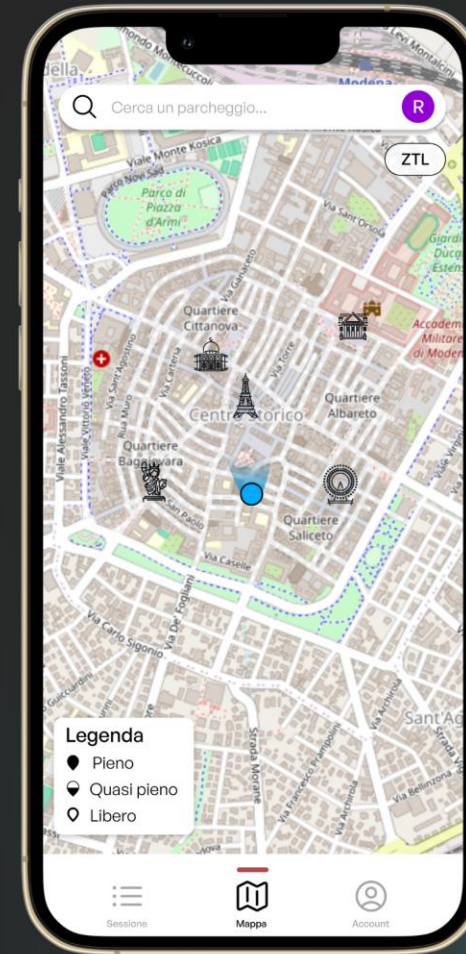
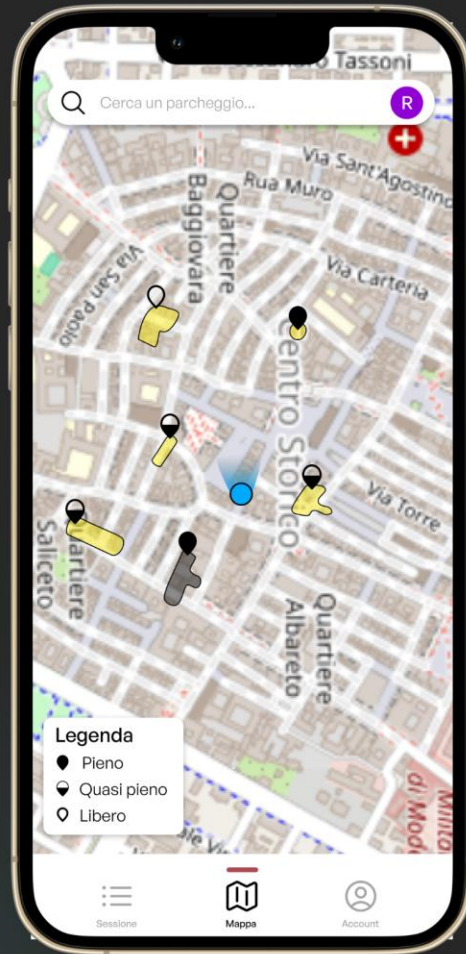


Parksense_

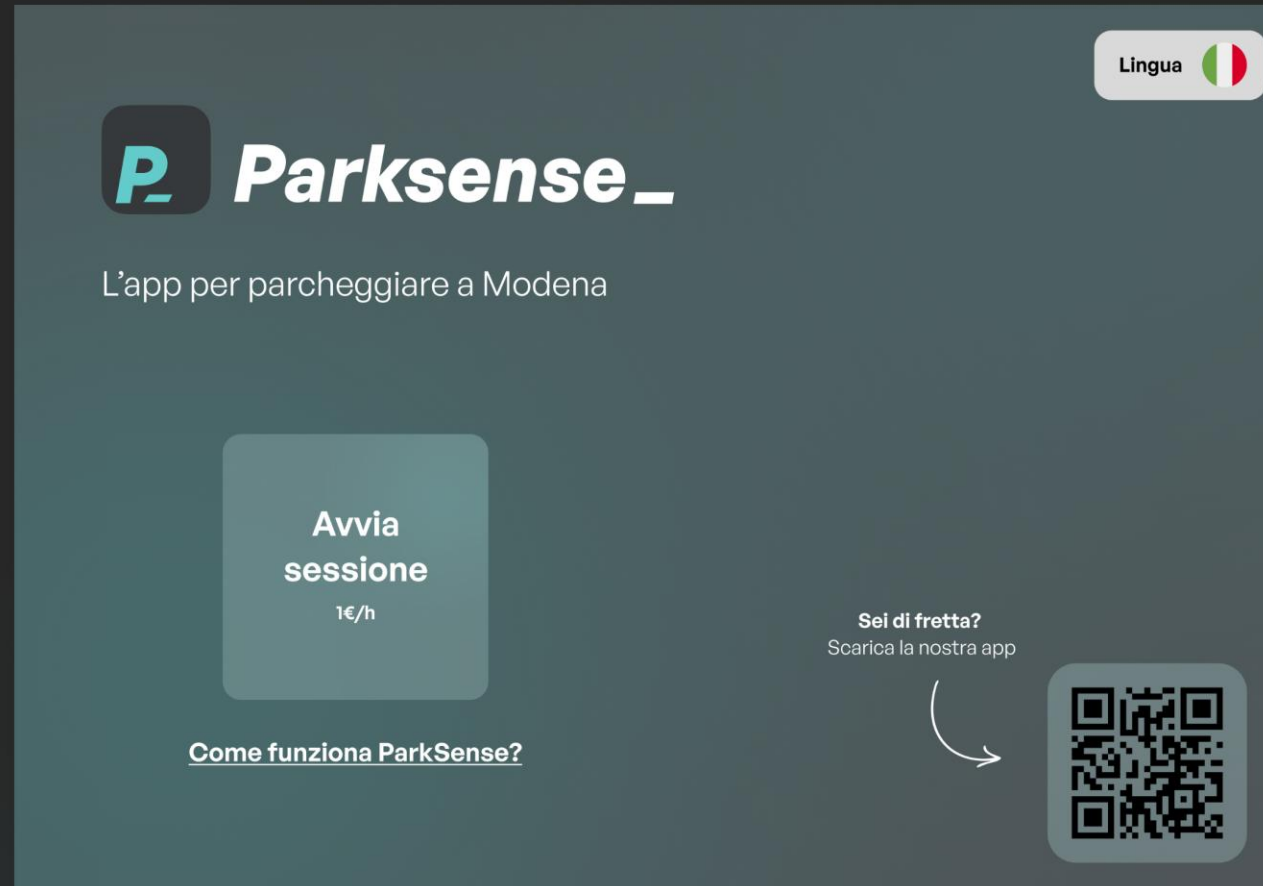
7.1 App Prototype



7.2 Taxi/Turisti Prototype App



7.3 Column Prototype

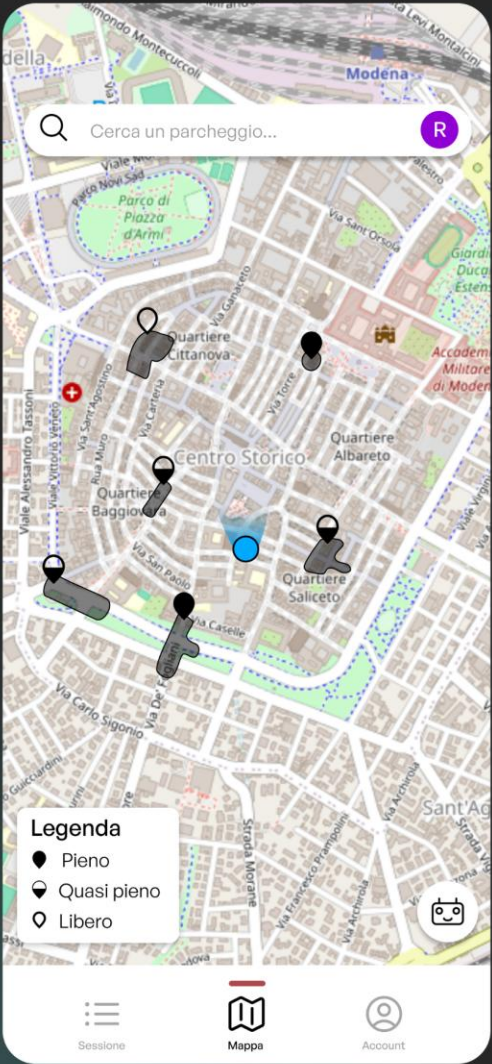


8. AI Revolution

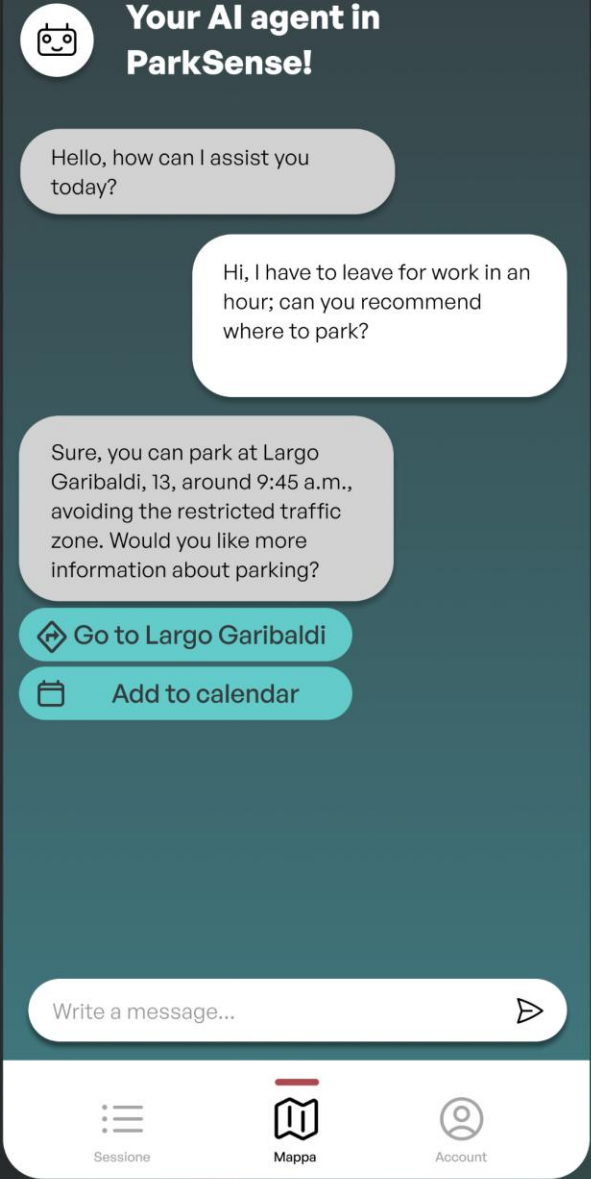


Parksense_

8.1 Generative AI in interfaces



AI Agent



**Thank you for your
attention.**

