

# Where to Have Lunch

Final Presentation 26.01.2018



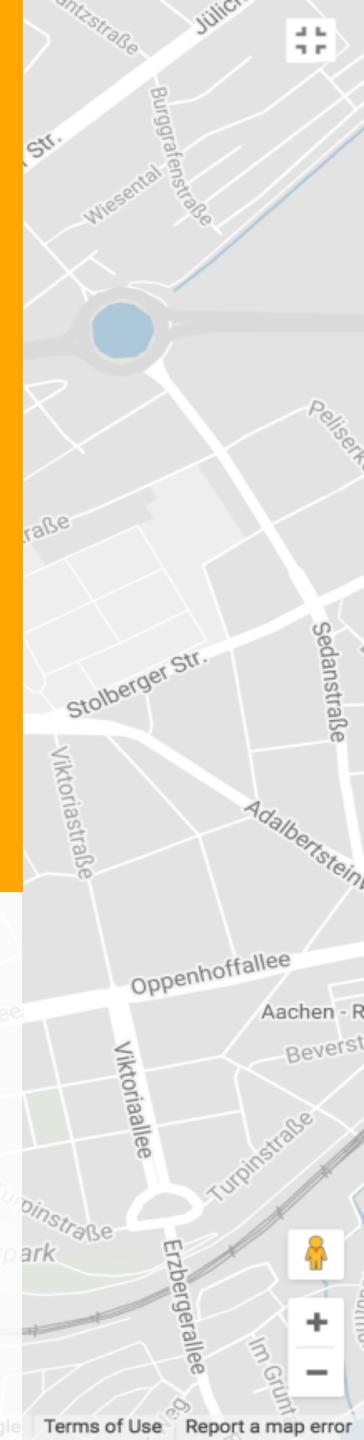
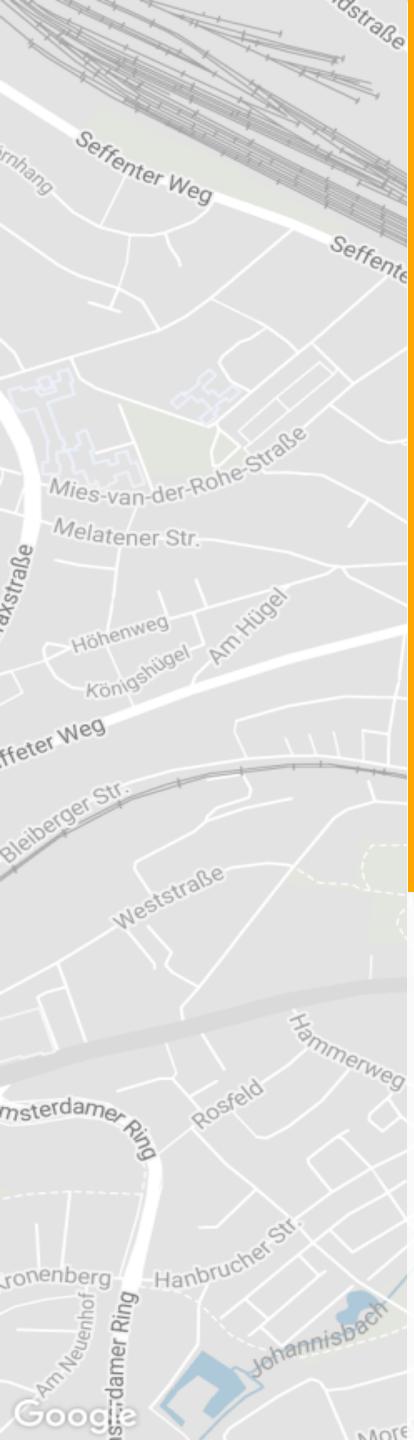
Zain



Arijit



Hanbing



# Outline

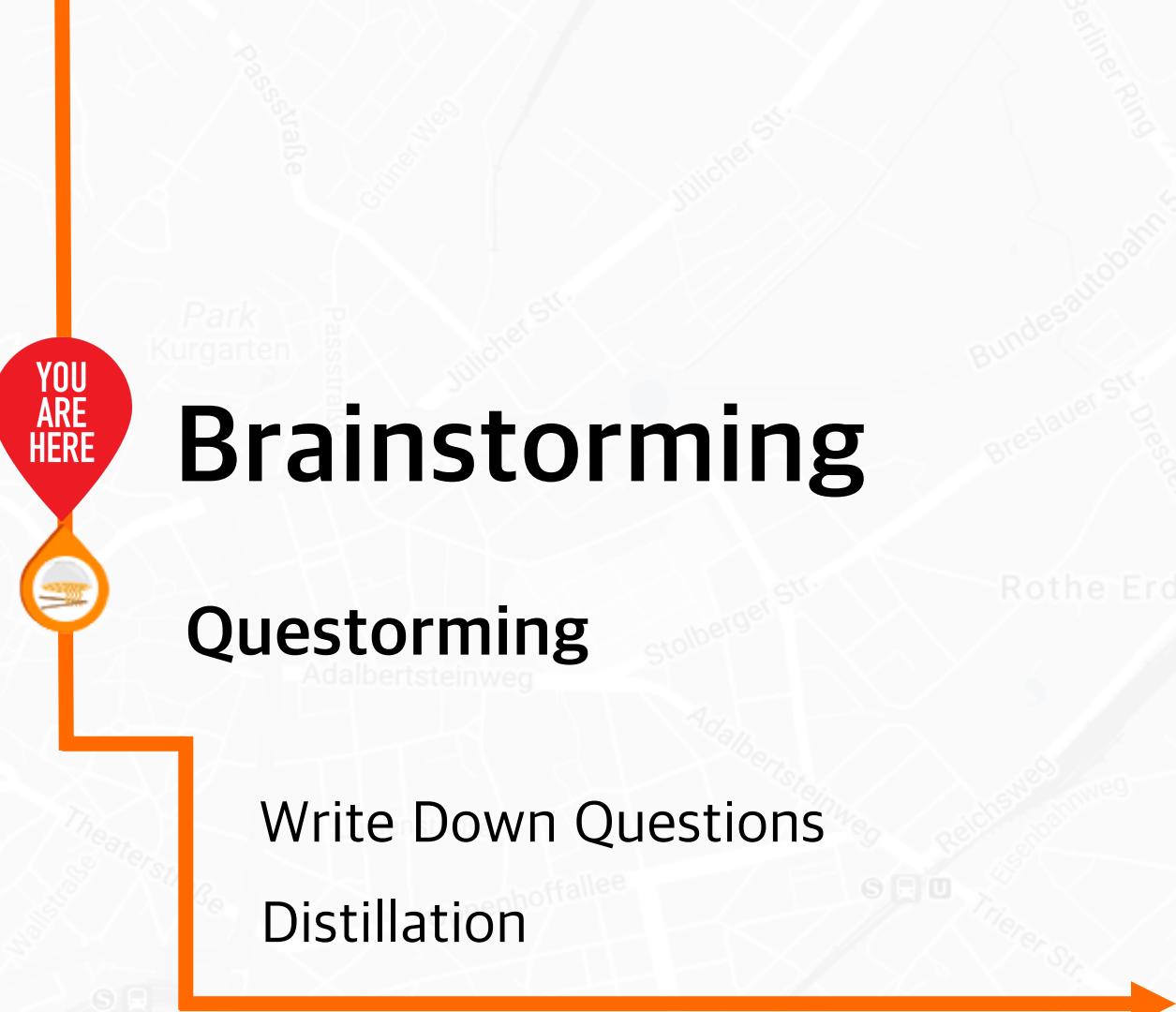
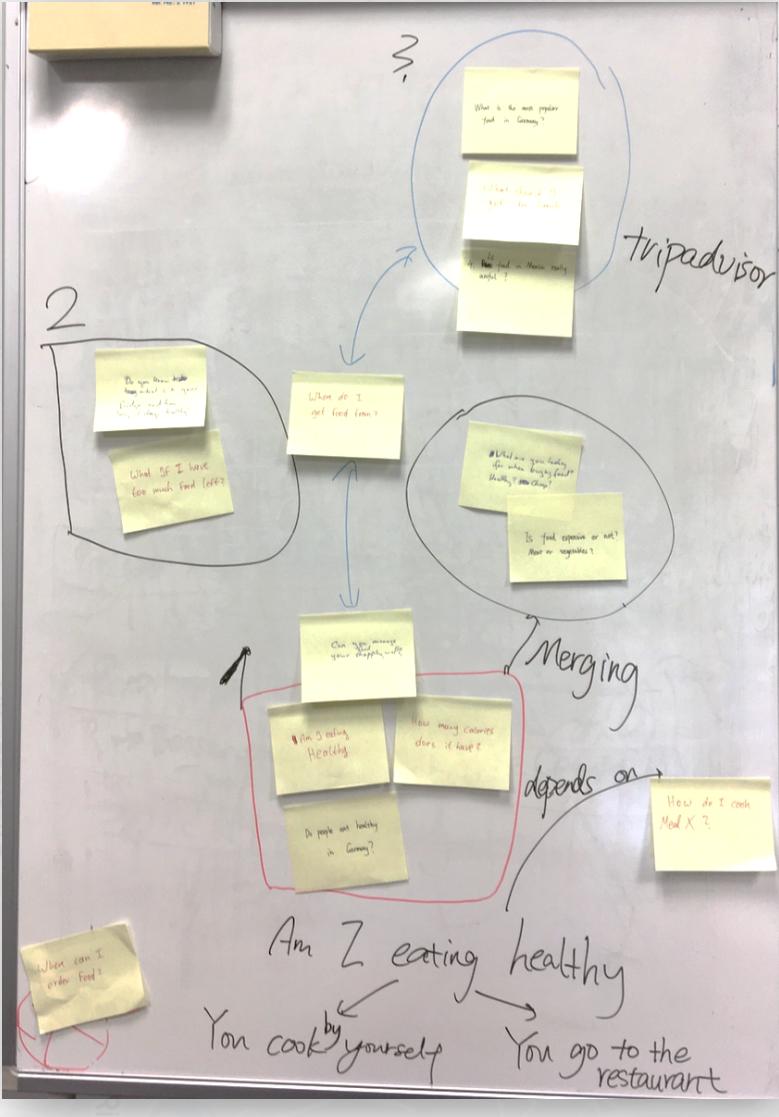
- Brainstorm
- Context of Use
- User Needs & Requirements
- Usage Scenarios & Cases



- Low-Fi Prototype & Evaluation
- Medium-Fi & Evaluation
- High-Fi & Evaluation
- Demo

# Food







YOU  
ARE  
HERE

# Questions



**Health:** Am I eating healthy?

**Waste:** How to prevent food waste?

**Advice:** What should I get for lunch?



YOU  
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# Problem



What should I get for lunch?

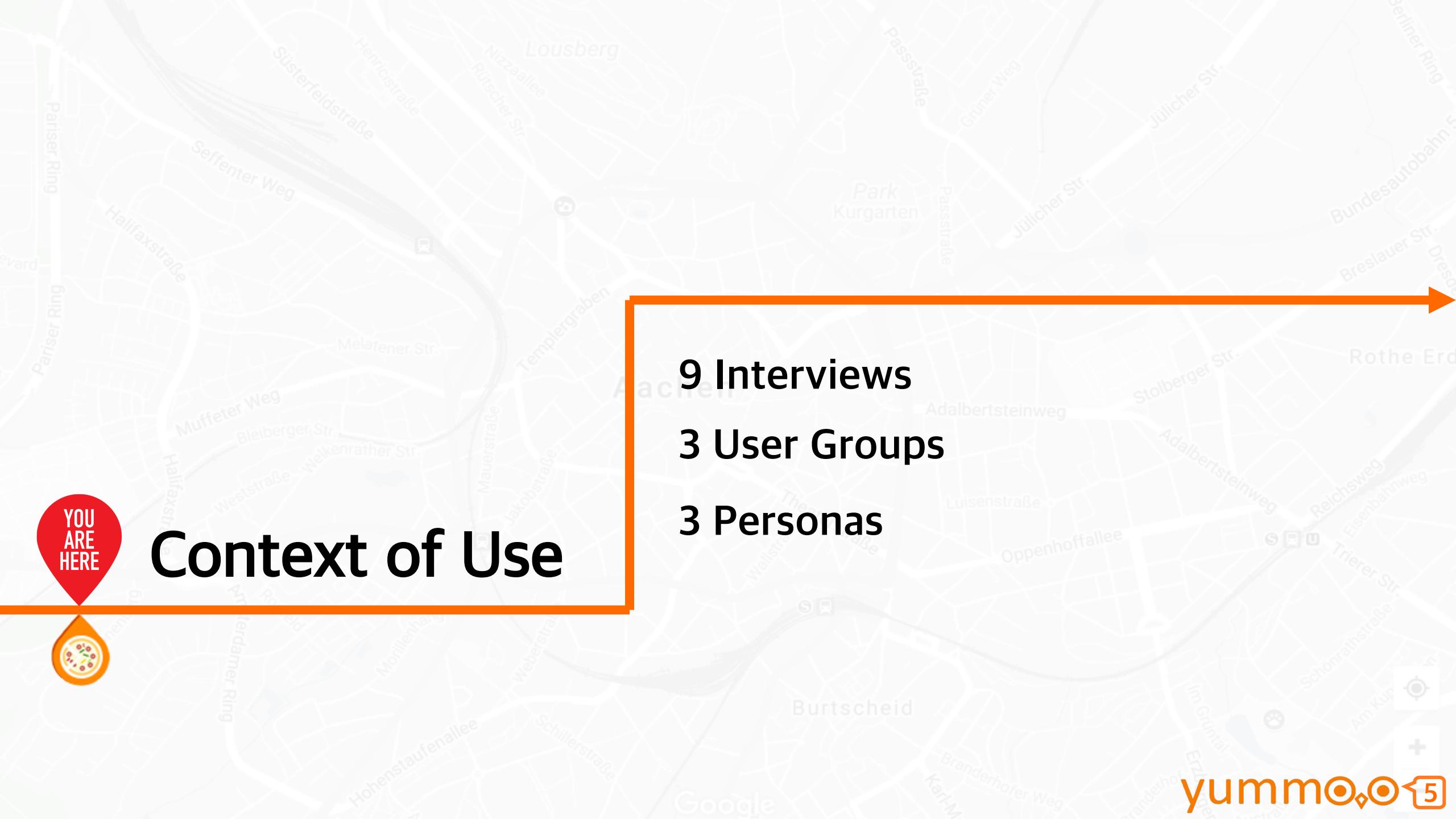




**YOU  
ARE  
HERE**

# Context of Use



- 9 Interviews**
  - 3 User Groups**
  - 3 Personas**
- 



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# User Interview



Q: Where do you have lunch most of time?

A: I eat at home.

Q: When you cook, what tools do you prefer to use?





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# User Interview



Q: Where do you have lunch most of time?

A: I eat at home.

Q: When you cook, what tools do you prefer to use?

Q: Where do you have lunch most of time?

A: I eat out most of time.

Q: Then, do you check the menu in advance?

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# User Groups - Eat In

## Goals:

Trying different foods in less cost

## Frustrations:

Concern about calories



Krish

Age: 27

Job Title: Software Developer

Location: Munich, Germany

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# User Groups - Eat Out

## Goals:

Picking best menu in value

## Frustrations:

Always go to the same restaurant



**Michael**

Age: 24

Title: Student with a HiWi job

Location: Aachen, Germany

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# User Groups - Combined

## Goals:

Finding great food delivery service

Getting tasty meal fast enough

## Frustrations:

Waiting too long for a meal

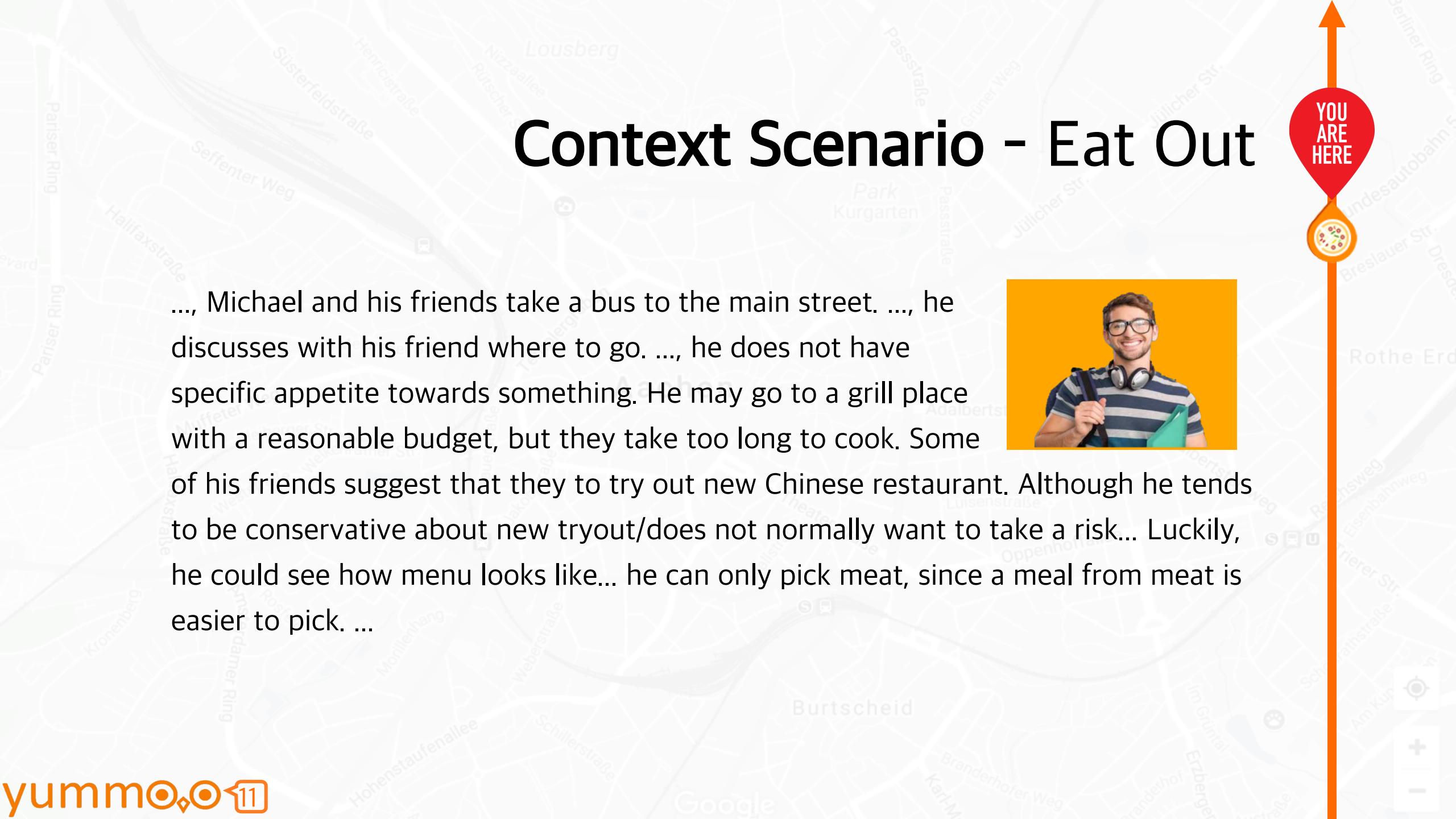


**Frank**

Age: 27

Title: Social Worker

Location: Koblenz, Germany



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# Context Scenario - Eat Out

..., Michael and his friends take a bus to the main street. ..., he discusses with his friend where to go. ..., he does not have specific appetite towards something. He may go to a grill place with a reasonable budget, but they take too long to cook. Some of his friends suggest that they try out new Chinese restaurant. Although he tends to be conservative about new tryout/does not normally want to take a risk... Luckily, he could see how menu looks like... he can only pick meat, since a meal from meat is easier to pick. ...



# User needs & Requirements

34 User needs

55 Requirements





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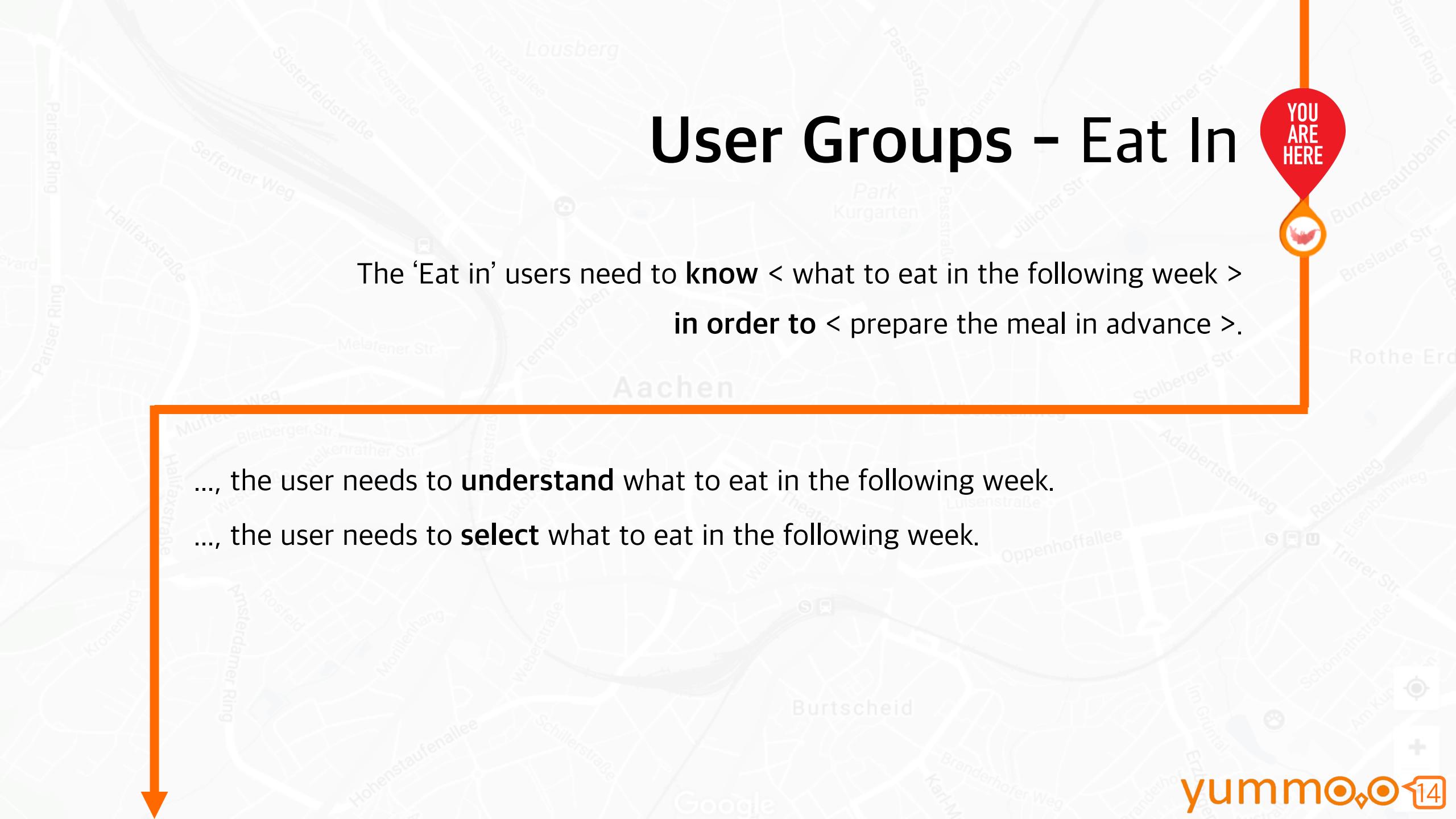
# User Groups - Eat Out

The 'Eat out' users need to **know** < how far the restaurant is >  
**in order to** < factor in the distance >.

..., the user needs to **input** their current location.

..., the user needs to **understand** how far away a restaurant is.

..., the user needs to **have an overview over** restaurant with their distance.



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# User Groups - Eat In

The 'Eat in' users need to **know** < what to eat in the following week >  
**in order to** < prepare the meal in advance >.

..., the user needs to **understand** what to eat in the following week.  
..., the user needs to **select** what to eat in the following week.



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# User Groups - Combined

The 'Combined' users need to **be able to access** < the review service >  
**in order to** < leave review after they try a delivery >.

...., the user needs to **input** the review.

...., the user needs to **be able to** rate the delivery service.

# Usage Scenarios - Eat Out

Task: Find a place

Subtask	User Action	System reaction
Check open restaurants	N/A N/A	Shows an overview of available restaurants Shows overview with distances ...
Check preferences	Inputs preferences ...	Shows matching restaurants ...
Select restaurant	Selects the restaurant Selects directions ...	Shows detailed info about restaurant Shows possible commutation ...

# Usage Case - Eat Out



## Task: Find a place

Name	Find a place
Summary	Get information about restaurants to help with decision where to go.
Rationale	A user wants to eat out in a restaurant. He doesn't know what restaurants are close and are currently serving food. He doesn't want to go there but decide on a place before and then wants to know how he can get there easily.
Users	Eat-Out User Group
Preconditions	System ready
Basic Course of Events	<ol style="list-style-type: none"><li>1. User gets an overview over all restaurants.</li><li>2. User can refine search by inputting location or other preferences.</li><li>3. User selects restaurant and gets more detailed information.</li><li>4. User can look at the menu and dishes served at the restaurant</li><li>5. User can get directions to selected restaurant.</li></ol>
Alternative Paths	<ol style="list-style-type: none"><li>1. The User can exit the system at any point.</li><li>2. In step 2 the user chooses what to input and what not.</li><li>3. Event 4th and 5th can be performed in arbitrary order or not at all.</li></ol>
Post Conditions	System shows information about a restaurant (or more) depending on what the user chose.



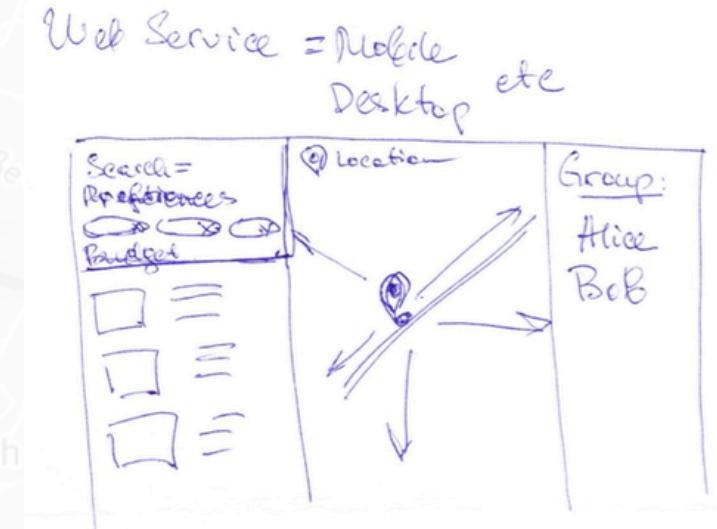
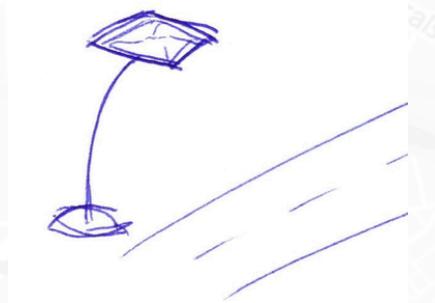
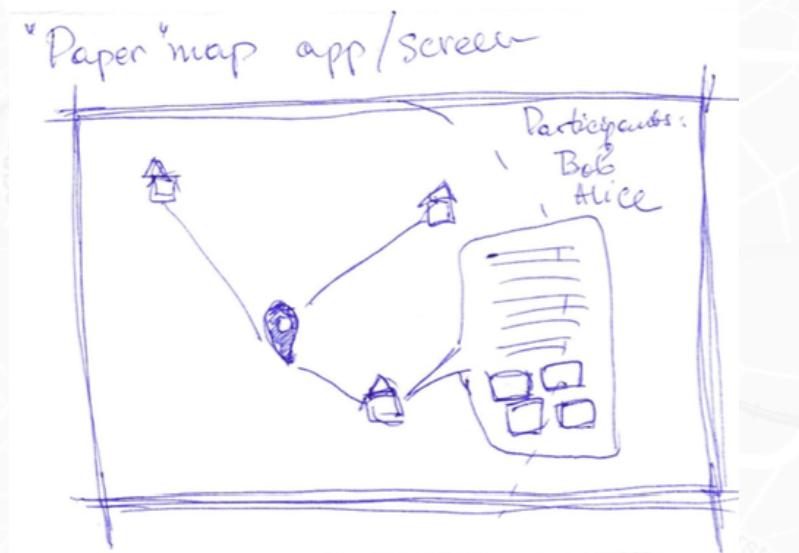
User Groups:  
Eat out  
Delivery

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Low-Fi & Evaluation

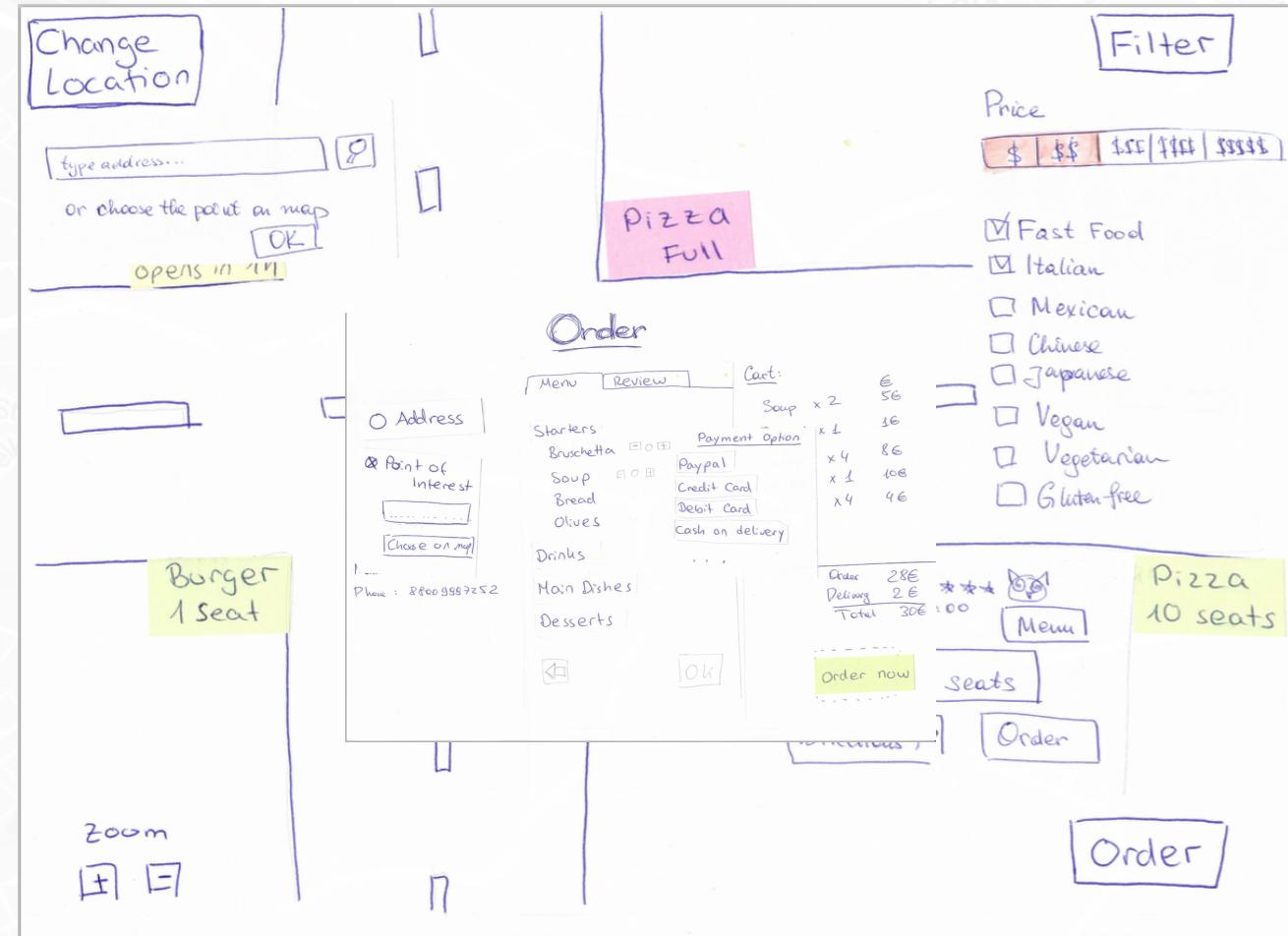
YOU  
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HERE

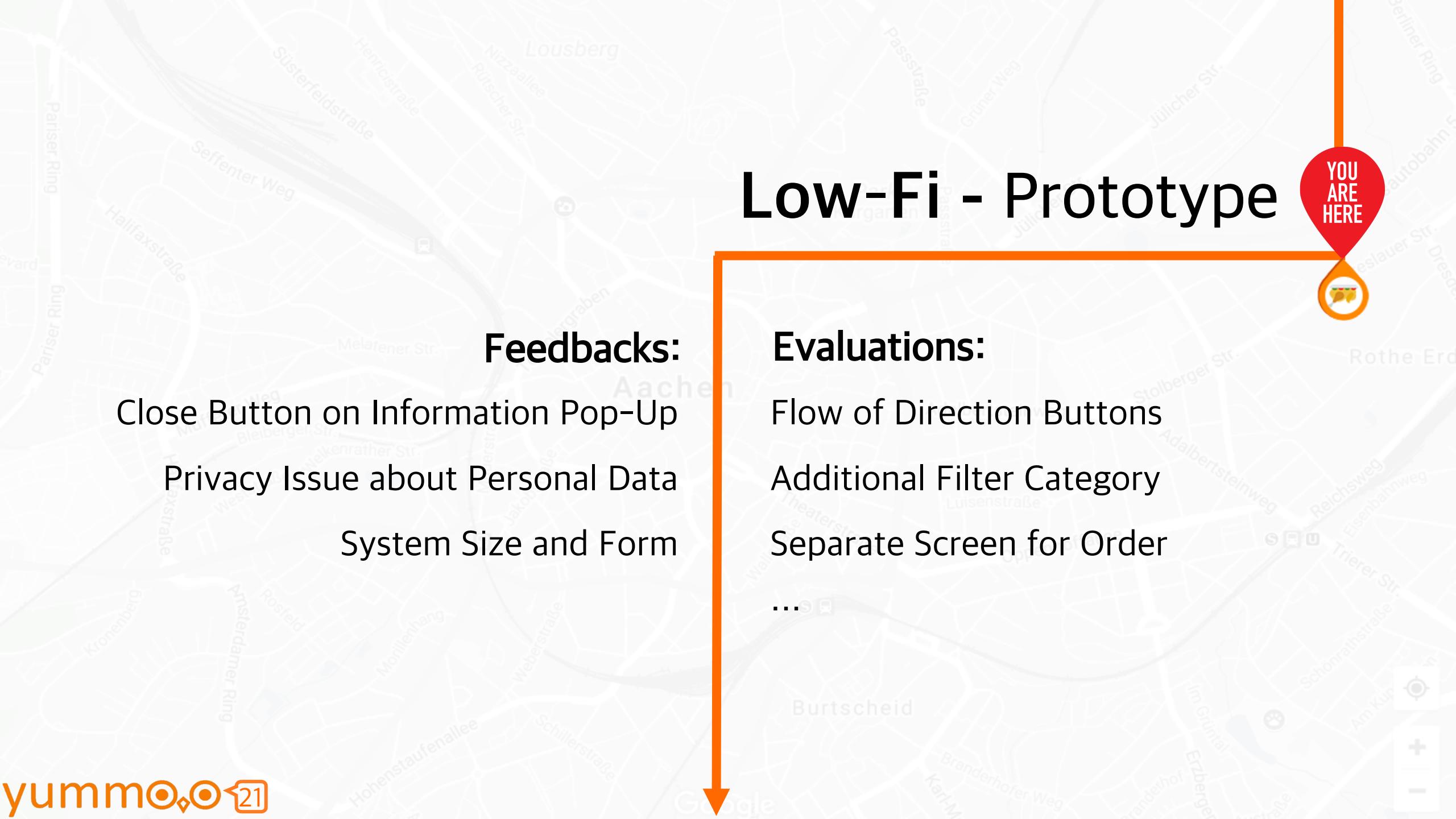
# Low-Fi - Design Studio



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# Low-Fi - Paper Prototype





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# Low-Fi - Prototype

## Feedbacks:

Close Button on Information Pop-Up

Privacy Issue about Personal Data

System Size and Form

## Evaluations:

Flow of Direction Buttons

Additional Filter Category

Separate Screen for Order

...

# Privacy Issue about personal



Address

Point of Interest

Park

Choose on map

Contact info:

Name : Bob

Phone : 8800 998 7252

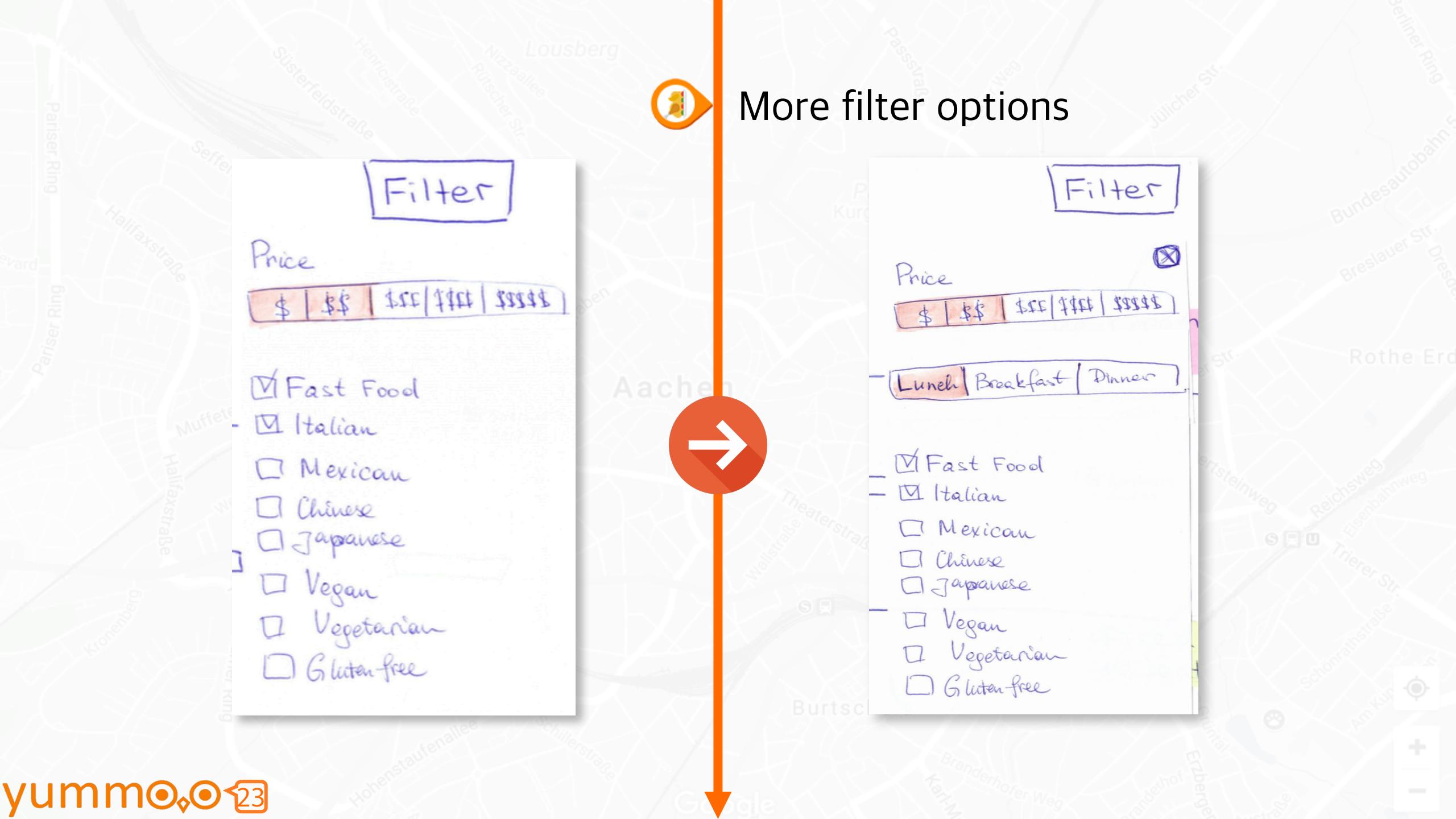


Order

Delivery Address:  
(can be home address or special point)

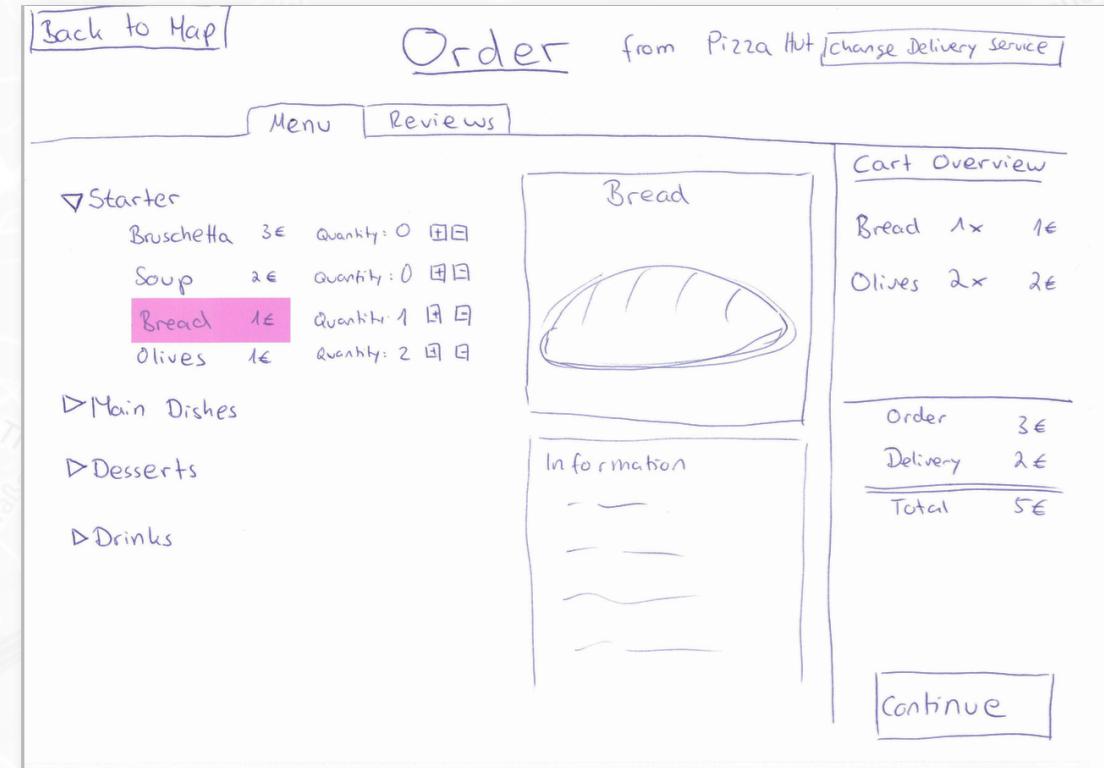
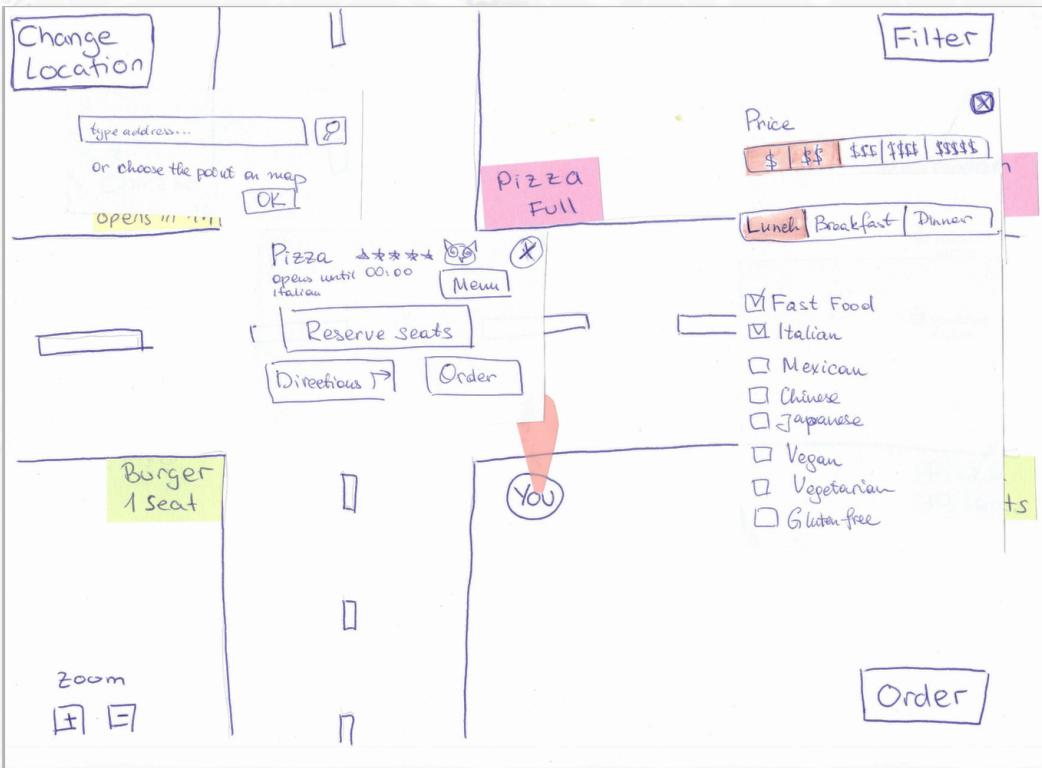
home address     special point

Accept



YOU  
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# Final Low-Fi Prototype





YOU  
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# What should I have for lunch?



# WHERE should I go for lunch?



# Medium-Fi & Evaluation



YOU ARE HERE

## Feedbacks:

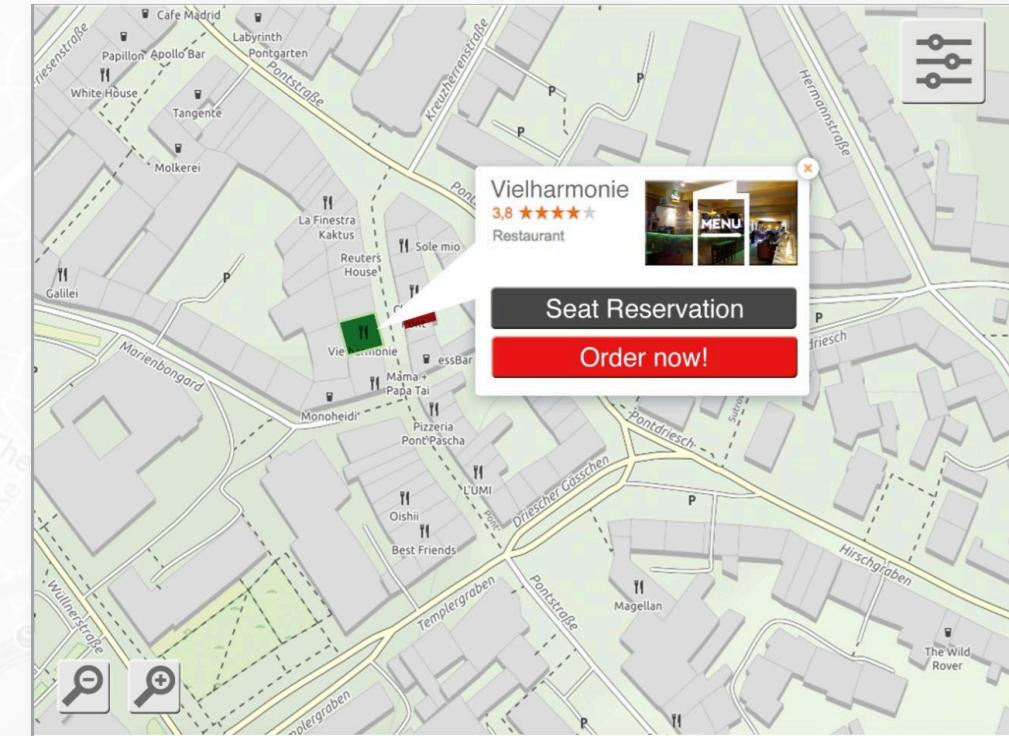
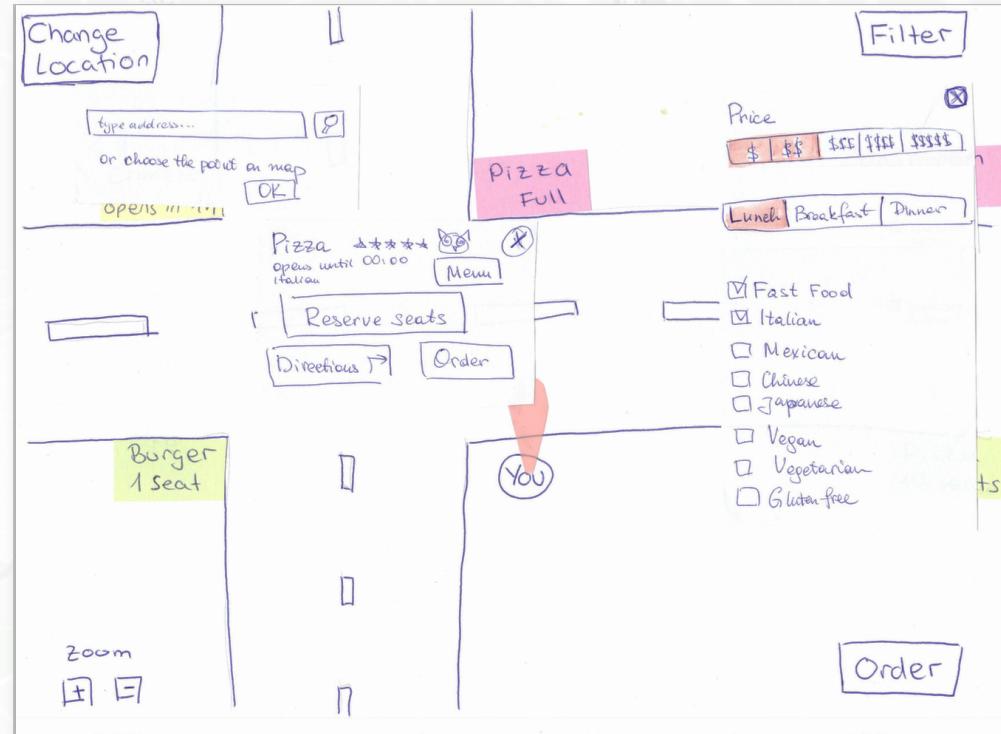
- Remove Unnecessary Loading Screen
- Payment Layout
- Change Location Price Filter

## Evaluations:

- Color Coding & Hovering Icons
- More Food Information in Menu
- ...

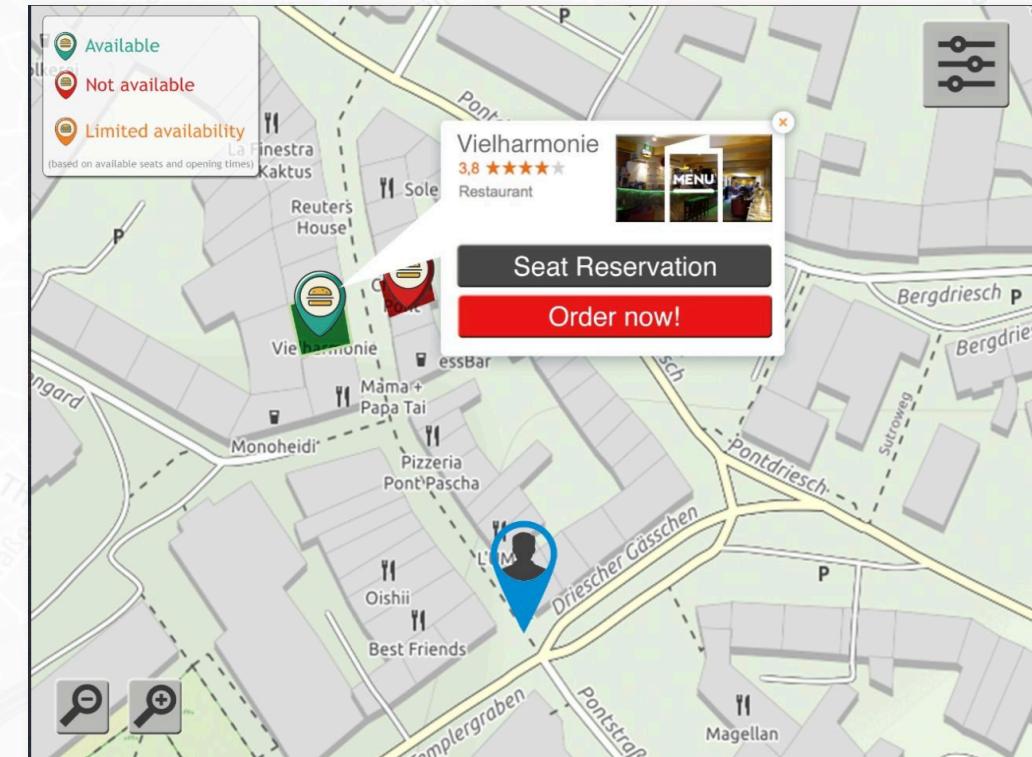
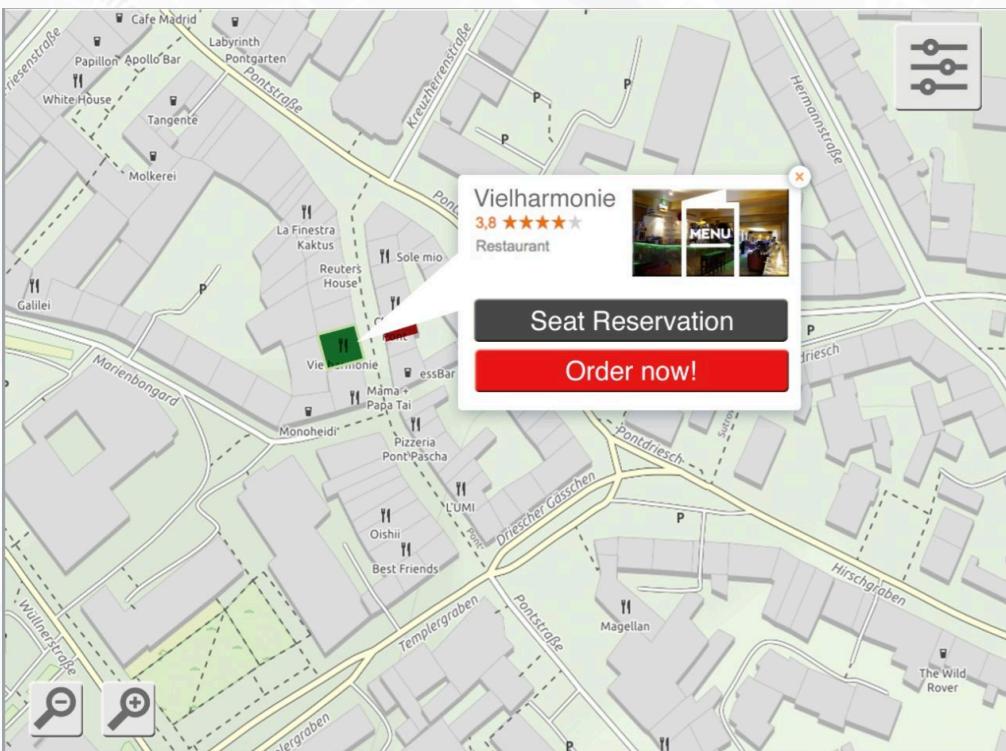


# Color Coding & Hovering Icon





# Color Coding & Hovering Icon





# More Detail Information in Menu Card

[Back to Map](#)

Order from Pizza Hut [\[change Delivery service\]](#)

[Menu](#) [Reviews](#)

▽ Starter

Bruschetta	3€	Quantity: 0	[+]
Soup	2€	Quantity: 0	[+]
Bread	1€	Quantity: 1	[+]
Olives	1€	Quantity: 2	[+]

▷ Main Dishes

▷ Desserts

▷ Drinks

Bread

Information

—

—

—

Continue

Cart Overview

Bread	1x	1€
Olives	2x	2€

Order 3€

Delivery 2€

Total 5€

[Show Map](#)

## YOUR ORDER

✓ Appetizer:

Breadsticks	0,40€	- 4x [+]
Soup	2,10€	- 1x [+]
Bread	1,00€	- 0x [+]
Olives	0,90€	- 1x [+]

➢ Main Dishes:

➢ Desserts:

➢ Drinks:

Receipt

Date: 22/12/2017

4 x Breadsticks	1,60€
1 x Soup	2,10€
1 x Olives	0,90€
Delivery Fee	1,90€

**6,50€**

Thank you for your business

[Pay now](#)



# More Detail Information in Menu Card

Show Map

## YOUR ORDER

✓ Appetizer:

Breadsticks	0,40€	- 4x +
Soup	2,10€	- 1x +
Bread	1,00€	- 0x +
Olives	0,90€	- 1x +

> Main Dishes:

> Desserts:

> Drinks:

Receipt Date: 22/12/2017

4 x Breadsticks	1,60€
1 x Soup	2,10€
1 x Olives	0,90€
Delivery Fee	1,90€

Total **6,50€**

Thank you for your business

Pay now



YOUR ORDER

VIEL Harmonie CANTINA Y BAR

✓ Appetizer:

Breadsticks	0,40€	- 4x +
Breadsticks that look like drumsticks, but taste like bread.		
Soup	1,00€	- 1x +
Soup is a lot like a UCTD family.		

> Main Dishes:

> Desserts:

> Drinks:

Receipt Date: 22/12/2017

4 x Breadsticks	1,60€
1 x Soup	1,00€
Delivery Fee	1,90€

Total **4,50€**

Pay now



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ARE  
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# High-Fi 1.0 & Evaluation

## Feedbacks

### Software

Define Filter & Merge Availability

Add Navigation Feature

Remove Delivery Order & Payment

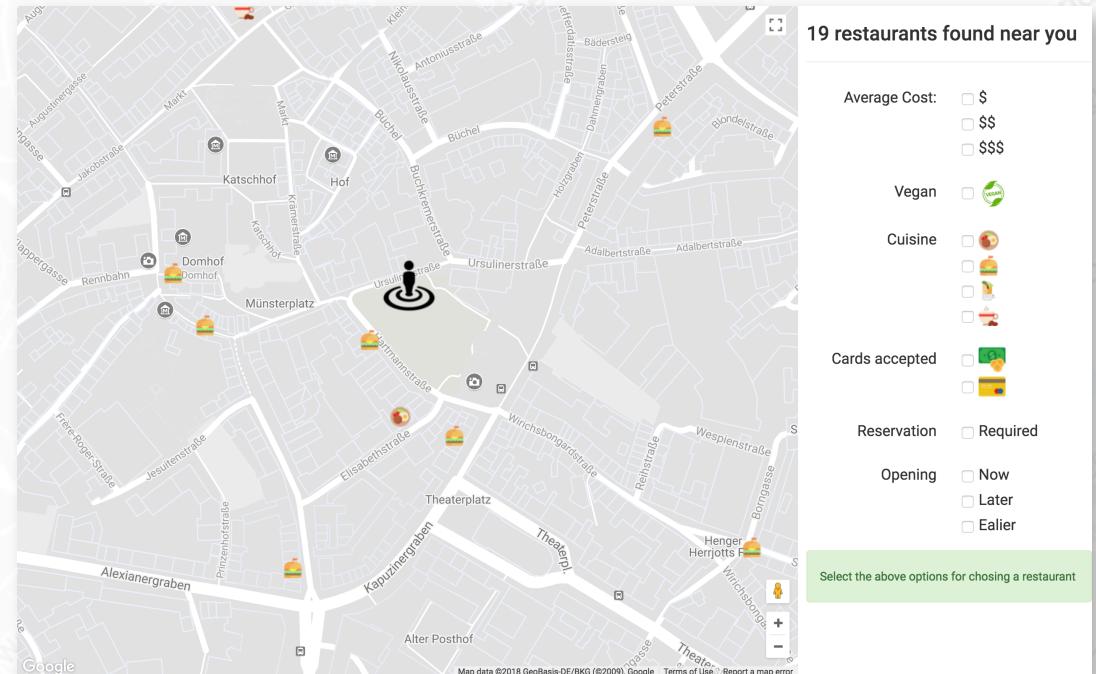
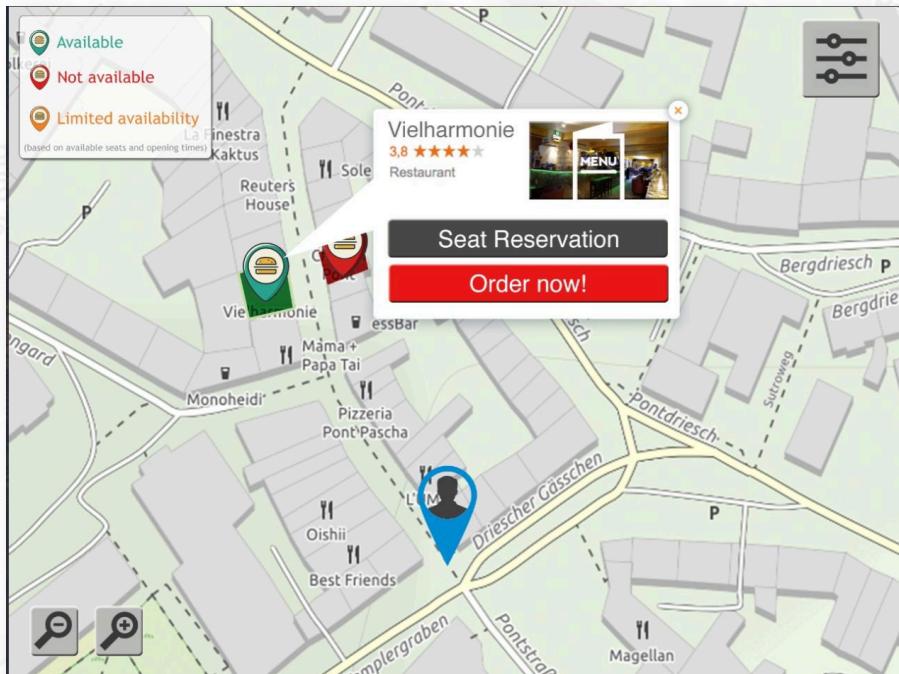
### Hardware





# New Hardware Prototype







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# High-Fi 2.0 - Evaluation

## Evaluations

### Software

- Provide Feedback of Selection in Filter
- Use More Meaningful Icons & Add Labels
- Zoom Out Automatically after Selection

...

### Hardware

- Make a logo indicating food
- Food Icons Wrapping Kiosk
- Put on Some Color

# Decorate Hardware



yumm○○



**19 restaurants found near you**

Average Cost:  \$  \$\$  \$\$\$

Vegan  

Cuisine    
   
   
 

Cards accepted    
 

Reservation  Required

Opening  Now  Later  Earlier



**20 restaurants found near you**

Average Cost:  €  €€  €€€

Vegan 

Cuisine   
  
  




**20 restaurants found near you**

Most searched:

		
Noodles	Pizza	Kebab
		
Coffee	Seafood	Chicken
		
Burger	Donuts	

Ingredients:

		
Vegan	Gluten-free	Lactose-free

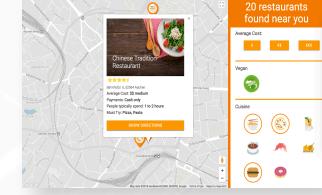
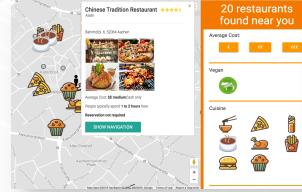
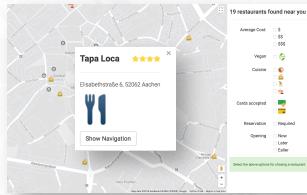


Filter Layout

Google

yummoo 





**Tapa Loca**

Elisabethstraße 6, 52062 Aachen

Show Navigation



**Chinese Tradition Restaurant**

Bahnhofpl. 6, 52064 Aachen

Average Cost: **\$\$ medium** Cash only

People typically spend **1 to 2 hours** here

Reservation not required

**SHOW NAVIGATION**



**Chinese Tradition Restaurant**

Bahnhofpl. 6, 52064 Aachen

Average Cost: **\$\$ medium**

Payments: **Cash only**

People typically spend: **1 to 2 hours**

Must Try: **Pizza, Pasta**

**⌚ Closing Soon**

**✓ Seats available**

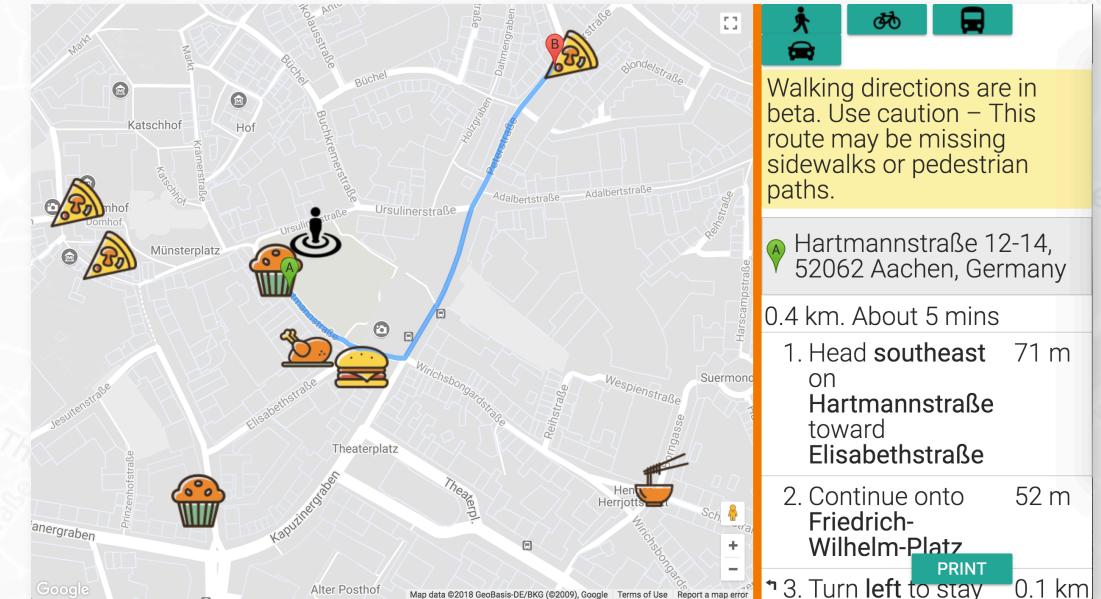
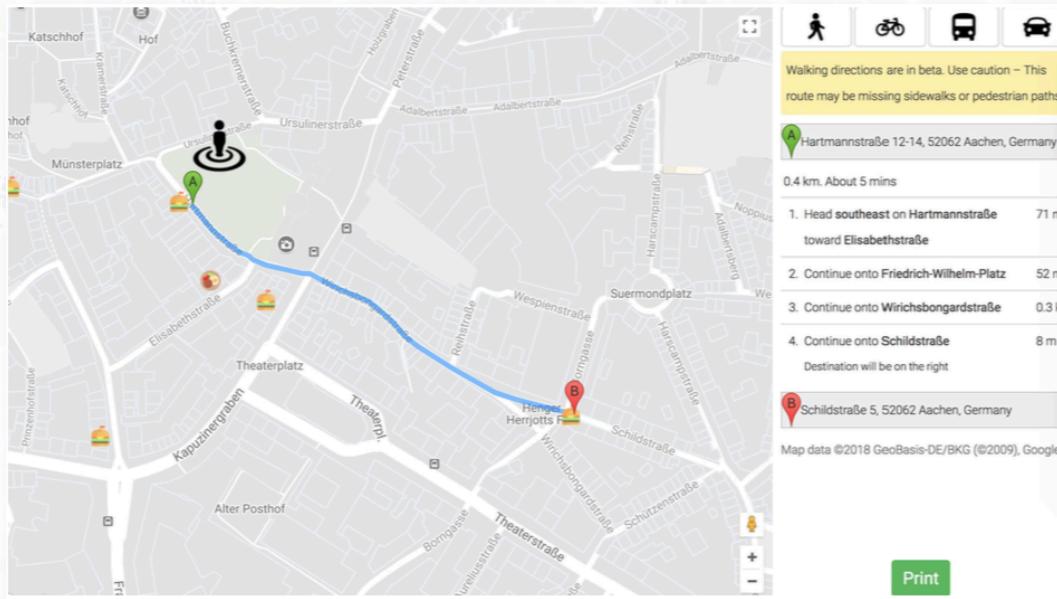
**SHOW DIRECTIONS**



# Restaurant Information Box Layout



## Direction Features



Google

yummoo 38



Walking directions are in beta. Use caution – This route may be missing sidewalks or pedestrian paths.

Hartmannstraße 12-14, 52062 Aachen, Germany

0.4 km. About 5 mins

1. Head **southeast** 71 m on Hartmannstraße toward Elisabethstraße
2. Continue onto Friedrich-Wilhelm-Platz 52 m
3. Turn left to stay 0.1 km

[PRINT](#)



BACK

walking  
 By bus  
 By Car

Hartmannstraße 12-14, 52062 Aachen, Germany

0.4 km. About 5 mins

1. Head **southeast** on Hartmannstraße 71 m toward Elisabethstraße
2. Continue onto Friedrich-Wilhelm-Platz 52 m
3. Continue onto Wirichsbongardstraße 0.3 km
4. Continue onto Schildstraße 8 m

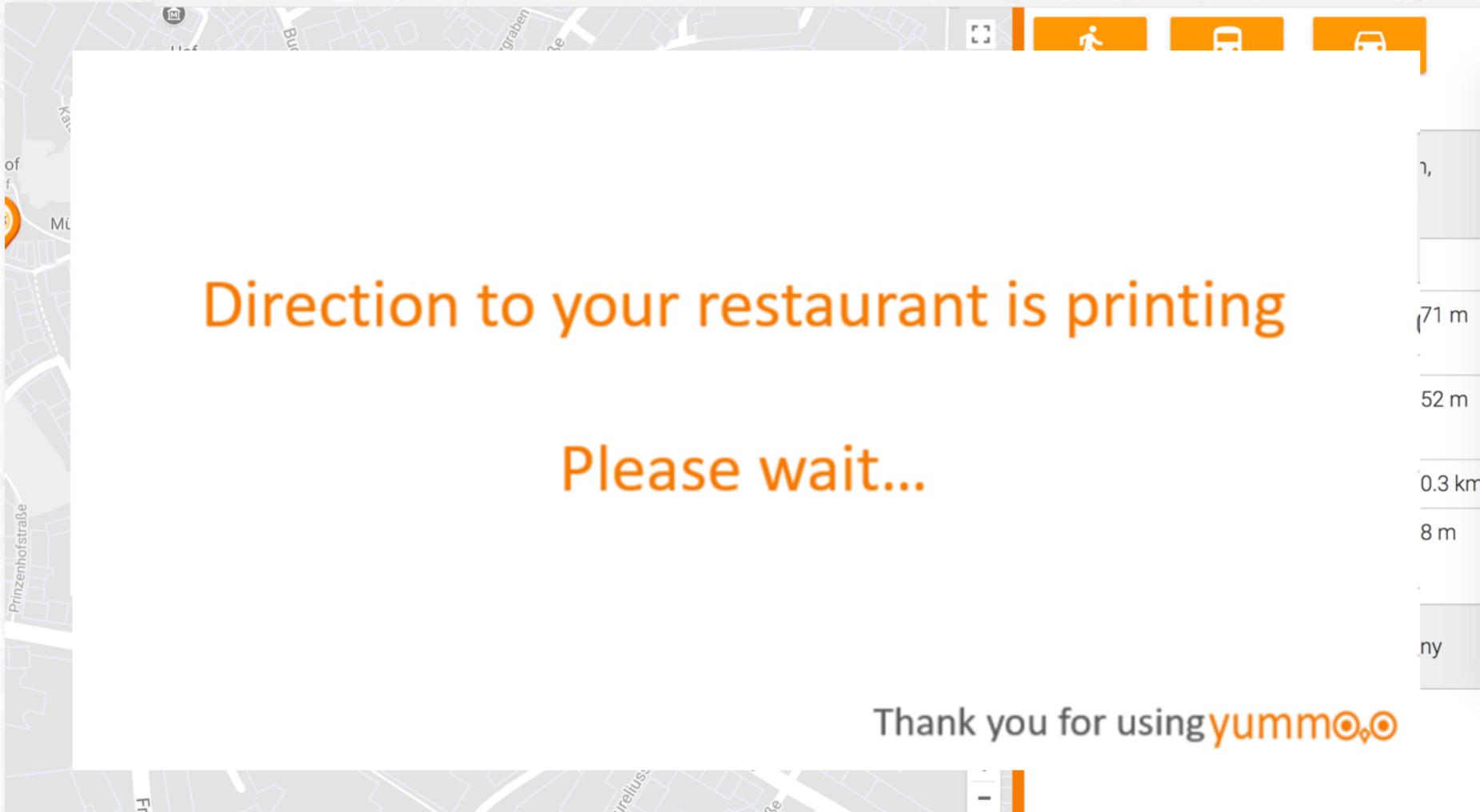
Destination will be on the right

Schildstraße 5, 52062 Aachen, Germany

PRINT



## Direction Features



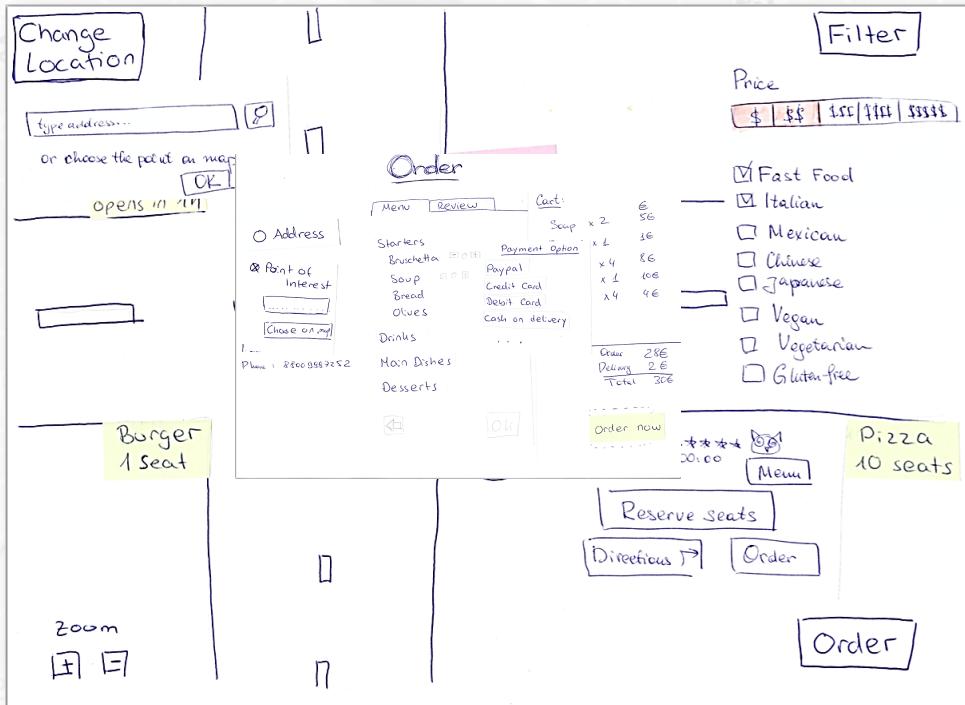
Direction Features

Google

yummo. 40

# yummoo.





# Demo





## Future improvements

- Make screen size bigger
- Include the delivery user group (include payment)
- Multi lingual user interface

# Thank You Q&A



Zain



Arijit



Hanbing