

Application Development for Mobile and Ubiquitous Computing

# MENSA 2.0


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## Idea

- Images of the meal (also on iOS)
- Get all available Data (more than what is provided by OpenMensa)
- Allergy filtering
- Favorite meal alert
- high loading Speed + good usability
- Offline check



## Mockups - Cards



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Ausgabe rechts

Gemüsebällchen mit Chili-Lauchsoße, dazu glasierte Honigmöhren und Kokosreis

Studierende 2,65€ Bedienstete 4,35€

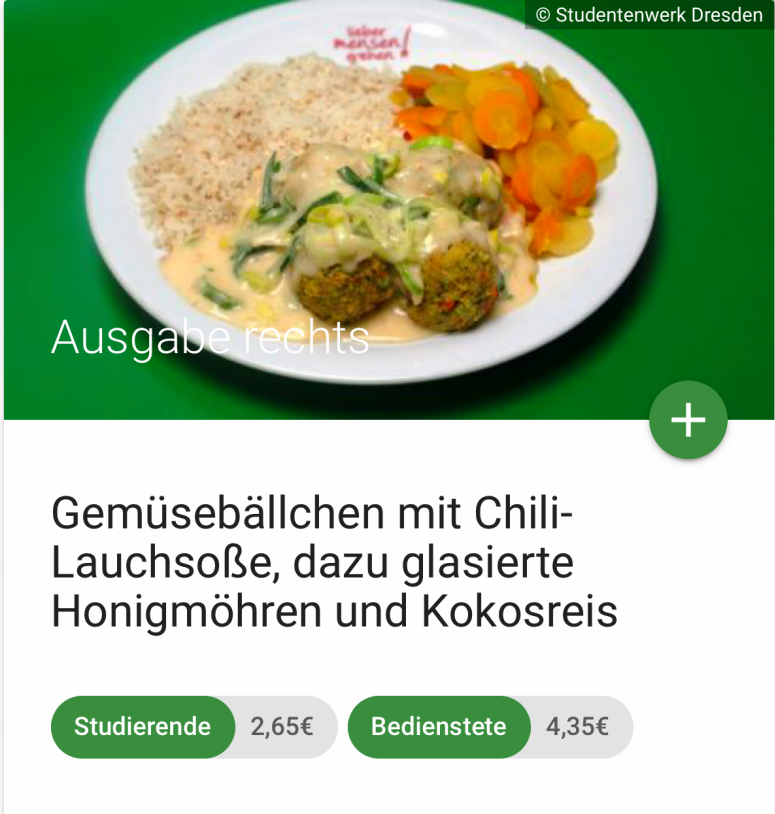
Abendangebot

Abendangebot:  
Bratkartoffelpfanne mit Kassler  
und Gemüse oder Bratkartoffeln  
mit Tomate und Mozzarella, dazu  
bunter Chinakohlsalat

Studierende 2,65€

Bedienstete 4,35€

## Mockups



The mockup shows a white plate of food on a green background. The food includes rice, vegetables, and meatballs. A red stamp on the plate reads "Lieber Mitarbeiter / gehen &". A copyright notice "© Studentenwerk Dresden" is in the top right. A blue arrow points to the plate with the text "Image if available". A blue arrow points to a green plus sign in the bottom right corner with the text "Further Informations".

Meal Counter → Ausgabe rechts

← Image if available

← Further Informations

Title → Gemüsebällchen mit Chili-Lauchsoße, dazu glasierte Honigmöhren und Kokosreis

Price → 

Studierende	2,65€	Bedienstete	4,35€
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## Mockups

Meal Counter →


Title →

Price →

Abendangebot

Abendangebot:  
Bratkartoffelpfanne mit Kassler  
und Gemüse oder Bratkartoffeln  
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← Further Informations

## Mockups

- Notes →
- Allergens →
- Additives →

The mockup shows a mobile application interface for a canteen menu. At the top, there is a green header bar with a white hamburger menu icon on the left and the text 'Mensa Siedepunkt' in white. Below the header, the menu item description is displayed: 'Bratkartoffelpfanne mit Kassler und Gemüse oder Bratkartoffeln mit Tomate und Mozzarella, dazu bunter Chinakohlsalat'. Below the description, there are two price tags: 'Studierende 2,65€' and 'Bedienstete 4,35€', both in white text on green rounded rectangular backgrounds. To the right of these price tags is a green circular minus sign icon. Below the price tags, there are three sections of information, each with a title and a list of items in rounded rectangular boxes. The first section is titled 'Hinweise:' and contains one item: a green pig icon followed by 'enthält Schweinefleisch'. The second section is titled 'Allergene:' and contains one item: a green 'G' icon followed by 'Milch/Milchzucker (Laktose)'. The third section is titled 'Zusatzstoffe:' and contains three items: a green '2' icon followed by 'mit Konservierungsstoff', a green '3' icon followed by 'mit Antioxydationsmittel', and a green '8' icon followed by 'mit Phosphat'.

Mensa Siedepunkt

Bratkartoffelpfanne mit Kassler und Gemüse oder Bratkartoffeln mit Tomate und Mozzarella, dazu bunter Chinakohlsalat

Studierende 2,65€ Bedienstete 4,35€

Hinweise:

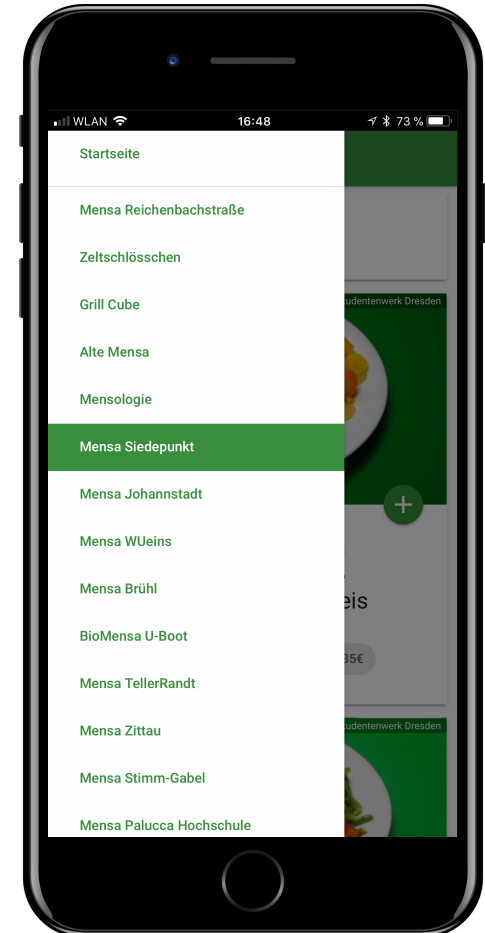
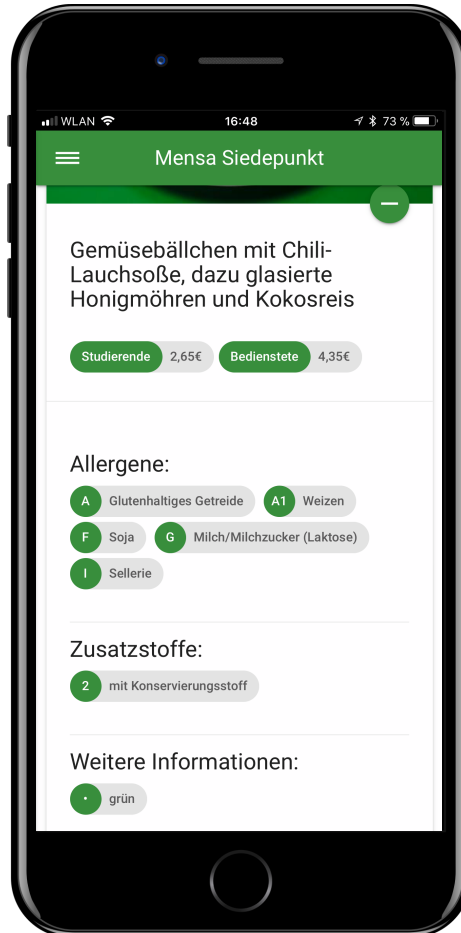
- enthält Schweinefleisch

Allergene:

- Milch/Milchzucker (Laktose)

Zusatzstoffe:

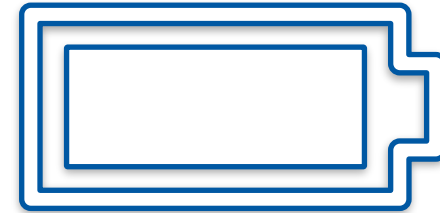
- 2 mit Konservierungsstoff
- 3 mit Antioxydationsmittel
- 8 mit Phosphat



## Challenges



Connectivity &  
Offline

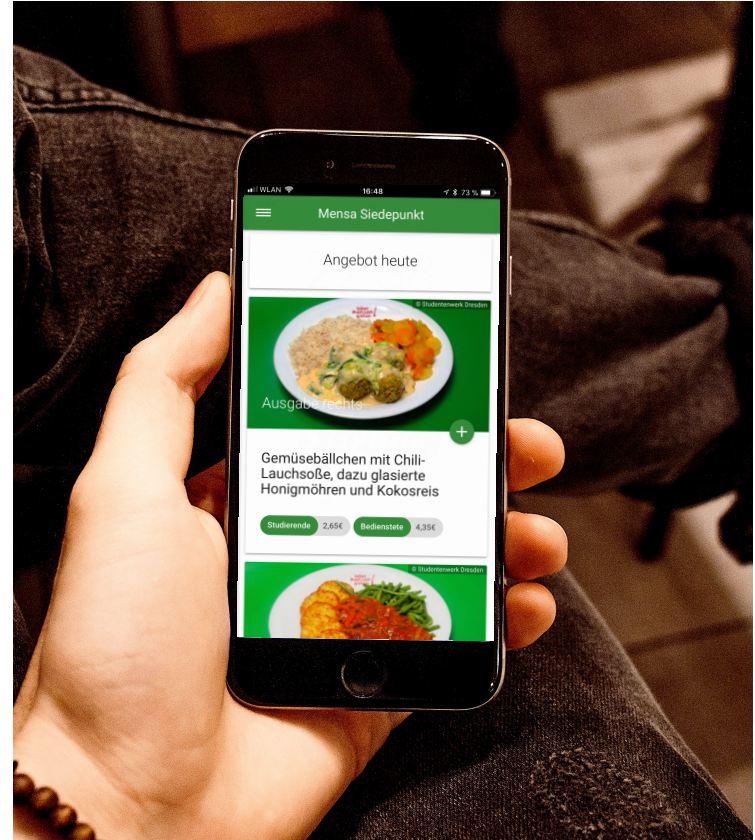


Energy



## Technical Implementation

- React Native
- For Android and iOS
- With Redux
- Saga
- GraphQL



## Technical Implementation

