



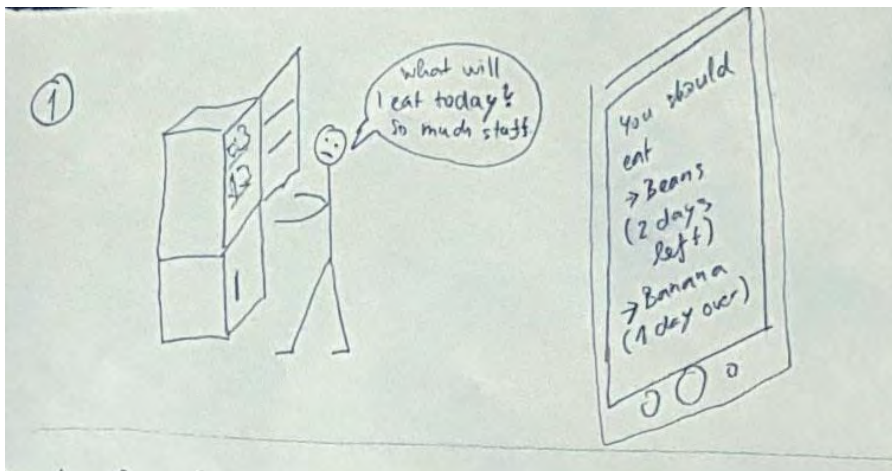
# Meal Planner

# Cooking application

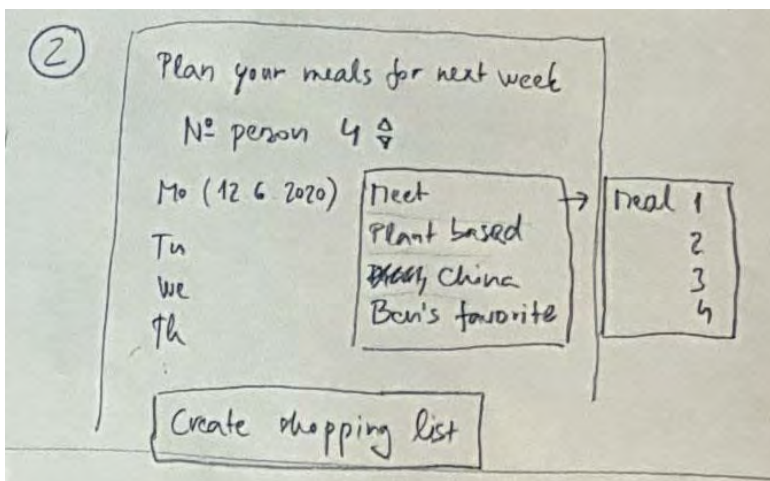
## Project description

I was thinking about application that would communicate between people, what will be cooked at home and what needs to be bought. It could also have feature to help choose the right food, based on nutrition, diet, favorite food etc. It would be for people living in multi generation families, young families who want to save money and be sure nothing will be thrown away because the food is already spoiled.

## Sketches



1. Application knows what is to be outdated and you will know without looking to fridge, what you should finish before it will get spoiled.



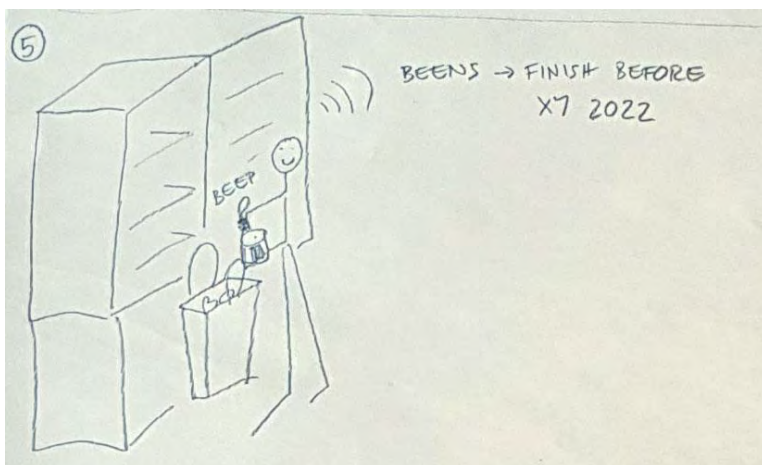
2. Application could offer easy way how to choose what to cook for whole week and make plan what to buy.



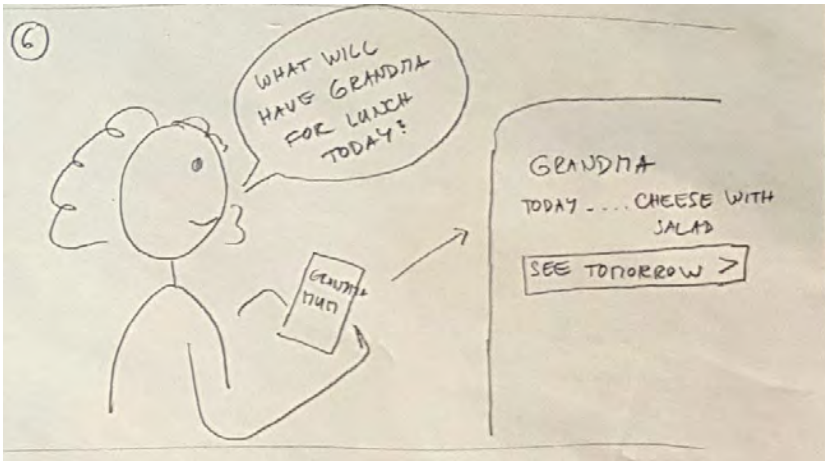
3. In the shop would be easy to follow the shopping list.



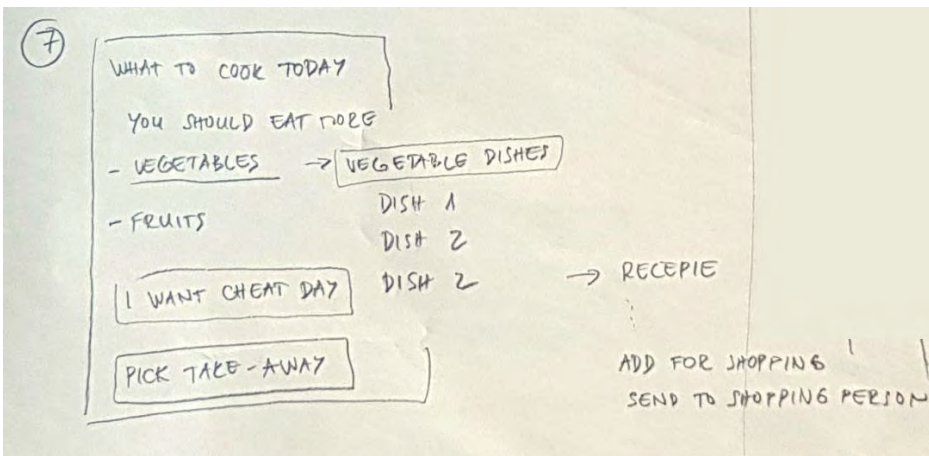
4. Shopping list would be also get easily for app from store with delivery right home.



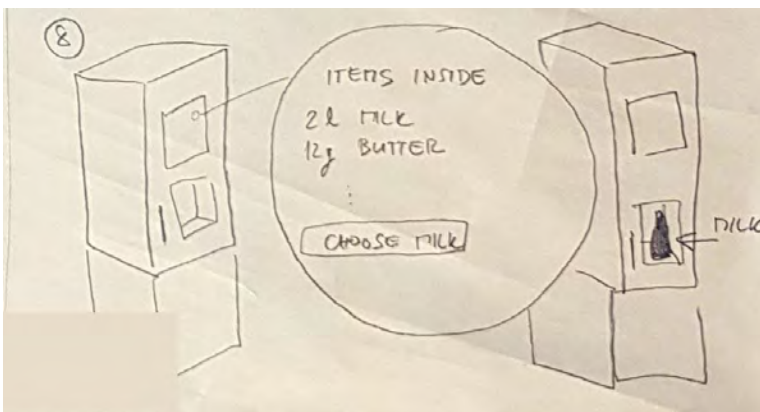
5. Application could work with image recognition scanner and keep the information till when is given food good.



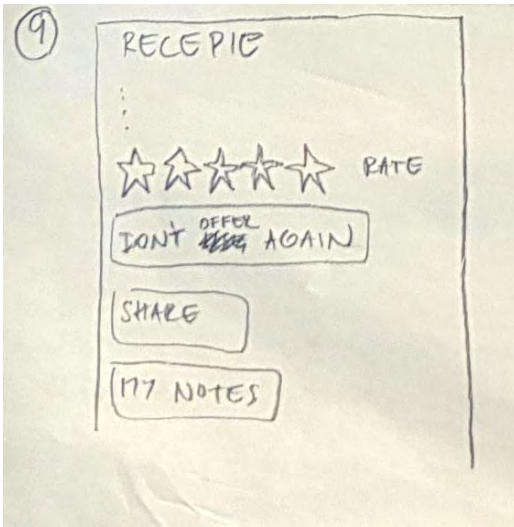
6. Application could also share week's menu with other people. They could also help with shopping.



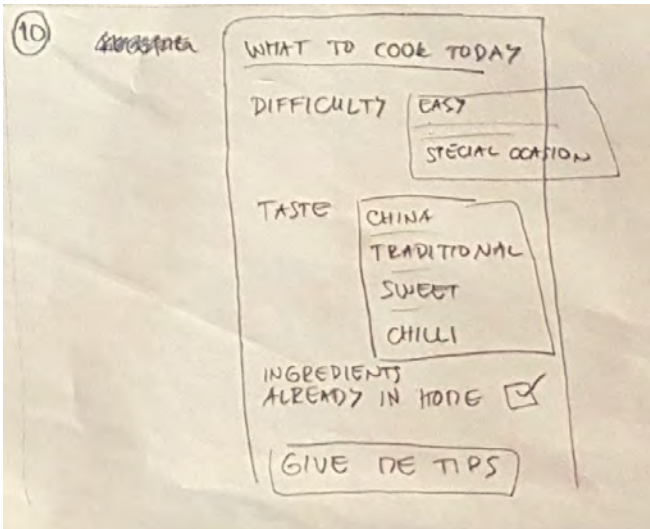
7. Application could help to choose what to cook based on history, so people know what they are missing in their diet.



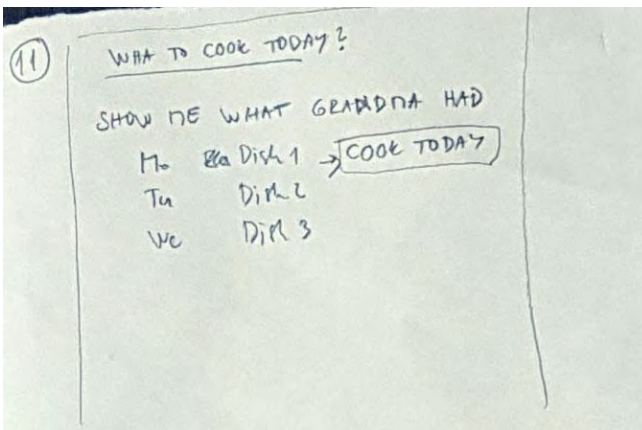
8. Application could work with intelligent fridge and on monitor on the fridge show what is inside and perhaps also drive it from inside to small door, in order to keep low temperature and not to open the whole fridge.



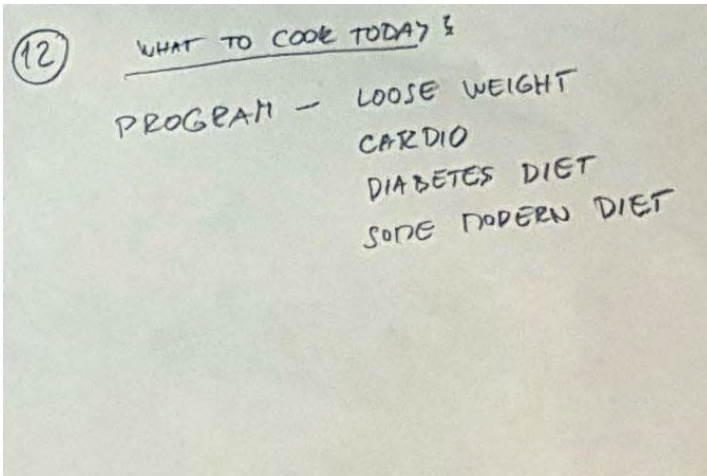
9. Users could give rating to give recipe.



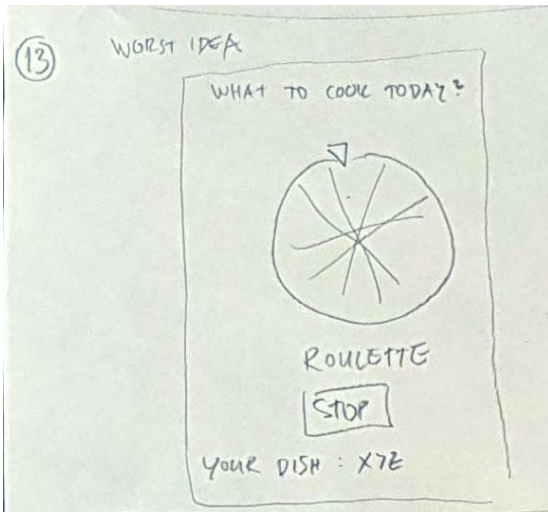
10. Another way how to choose what to cook based on difficulty, time, style...



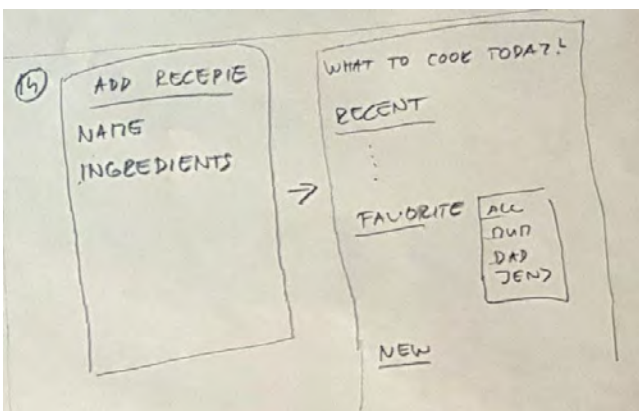
11. Users could get inspiration among other people in their social network.



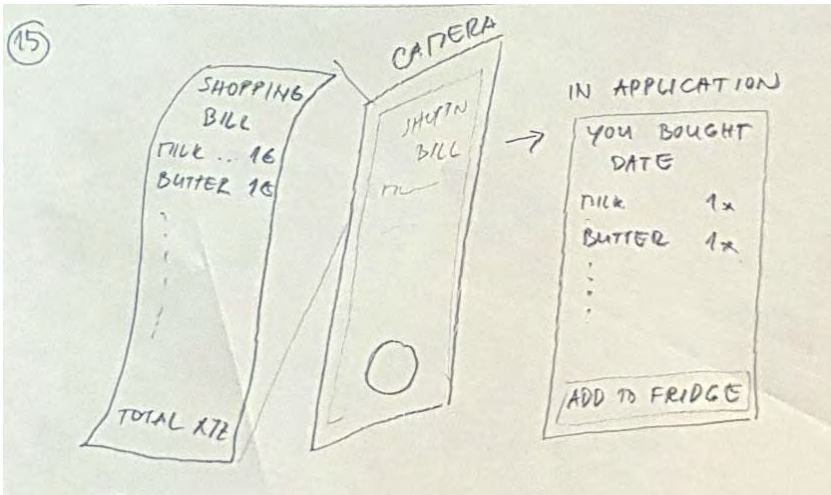
12. Initial setting of the application – what kind of program user wants: lose weight, special diet,...



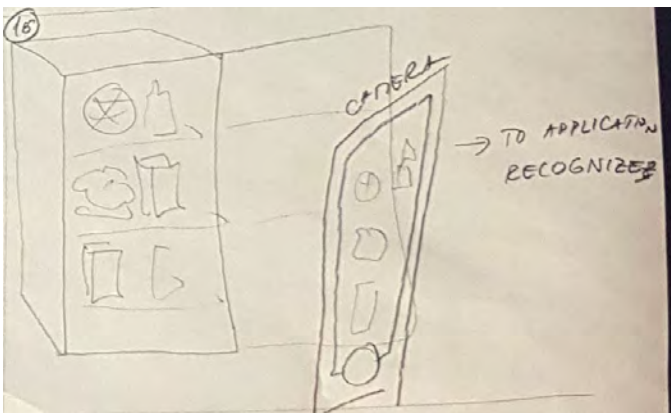
13. Random tips for dishes to cook.



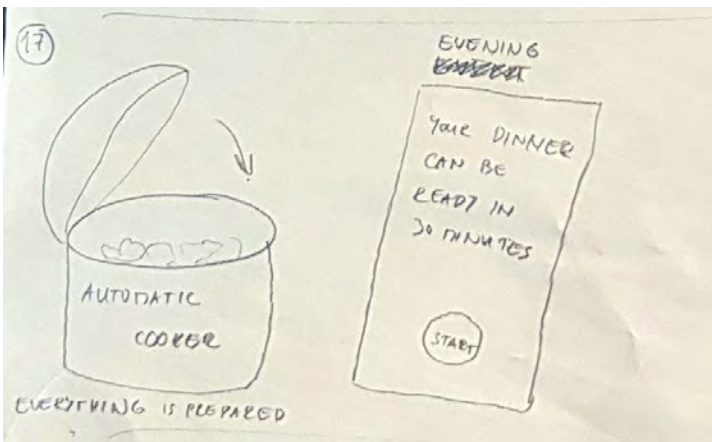
14. Way how to add new recipe.



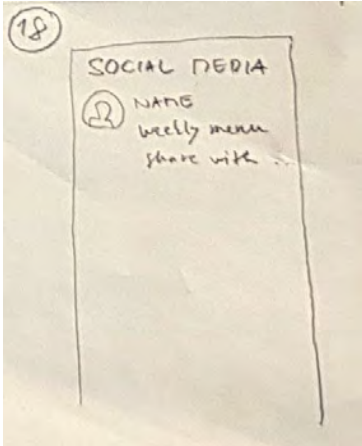
15. Scan shopping to add all item to the application database



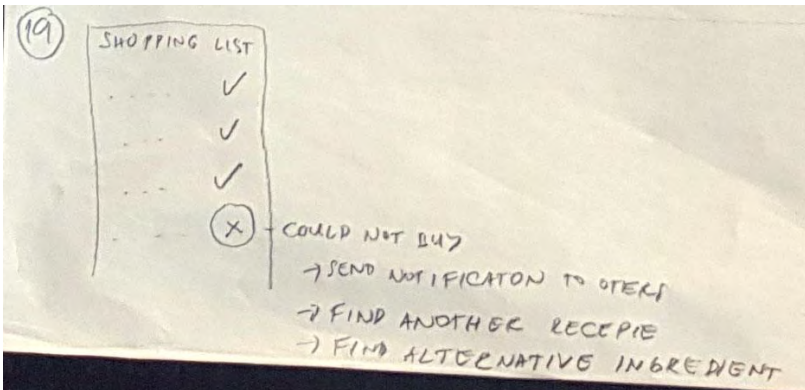
16. Take a picture and get list of everything what is inside based on picture recognition.



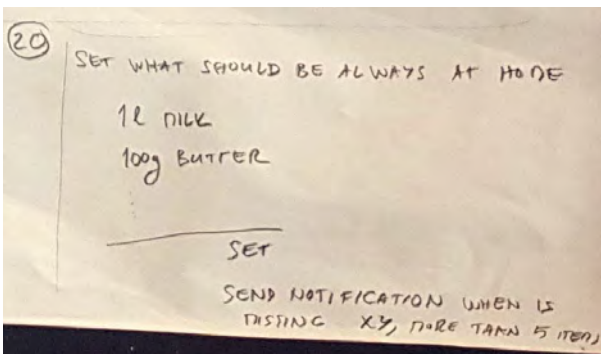
17. Connection to automatic cooker to prepare fresh food for specific time.



18. Sharing on social media.



19. Case when something will not be possible to buy in the shop – send notification to someone else so he/she can buy it, alternatives.



20. Set what should be always in fridge/home.

# Personas

## Daniela

### Demographics:

40 years, female, accountant, 2 children, married, middle class

### Goals and motivators:

She is emancipated and career oriented, she is trying to involve whole family to household running process. Her husband is helping her as much as he can, it is sometimes chaotic. Daniela is looking for a system to keep everything running so other family members can help her.

### Routines:

After work she tries to prepare something healthy for her 2 children, she tries to cook for them, she doesn't like delivery or restaurant food very often. She likes traditional home-made food (whatever it is:) and one meal together with her family.

She likes to have some emergency food at home every time. She goes to grocery store every second day and she likes to have some rough plan what to cook, so she can have all the ingredients at home when needed.

### Barriers:

- Willingness of all members to cooperate.
- Persistency to use the system for long period of time

## Alexander

### Demographics:

52 years, male, restaurant owner

### Goals and motivators:

He bought a small restaurant recently and he is trying to find a way how to manage food delivery for the business. He needs to prepare daily menu for every day and have some types for food ready for every day. He needs to communicate with his chef and other personal. He wants to communicate on social networks to his customers about daily menu.

### Routines:

He goes shopping once a week for big purchase and every day for smaller stuff. He communicates with his chef daily about the kitchen needs. He is new to the business, needs to orientate.

### Barriers:

- He is not so good in modern technologies, but he is willing to try.
- System might be too complicated/simple for his needs

# Scenarios

## Goal (task) scenario

Daniela works till 5 o'clock the whole week, only on Friday she finishes one hour earlier. On Mondays and Wednesdays she goes to her yoga class. Yoga ends at 7 p.m. She goes home after.

She has husband and 9 and 12 year old boys. She likes to have dinner together with her family every day around 7 p.m. She doesn't like take away food too often. She likes to have home-made food because her children have food intolerances, but sometimes she is too busy to prepare it. Together with her husband she decided, that they will take care of the household and cooking together. She makes plan for the whole week on Saturdays, so she knows what to buy for the whole week. She agrees with her husband John that he will cook on Mondays and Wednesdays when she is on yoga. Sometimes she buys vegetable that is season-limited and wants to use it for cooking so she needs make adjustments to her week plan. Sometime she can't find the right ingredient for recipe, sometime they have left overs from previous day. She needs to communicate with her husband.

## Activity scenario

Daniela has found application XY and wants to try it to plan dinners for week and to buy all ingredients. She installs the app and tries to create plan for whole week. She set two recipes for herself to cook on Tuesday a Thursday, she writes only list of ingredients that she is used to use and saves them. She asks her husband what he wants to cook for children when she will be on yoga class. He sends her two links, she just adds them to specific days. Meals for Friday and weekend she just skips, because they are going on holiday.

She generates list of all ingredients and she picks those she needs to buy in shop and make adjustments for her food intolerant children. She creates shopping list and sends it to nearest delivery shop that the application offers. She fills her contact details and picks payment method and delivery time.

# Outputs and Inputs

## Project description

I decided to work on an application for managing family cooking plan (what to cook, when to cook, what ingredients are needed, creating shopping list). Users living in the same household can participate on shopping or deciding what meal they would like to eat.

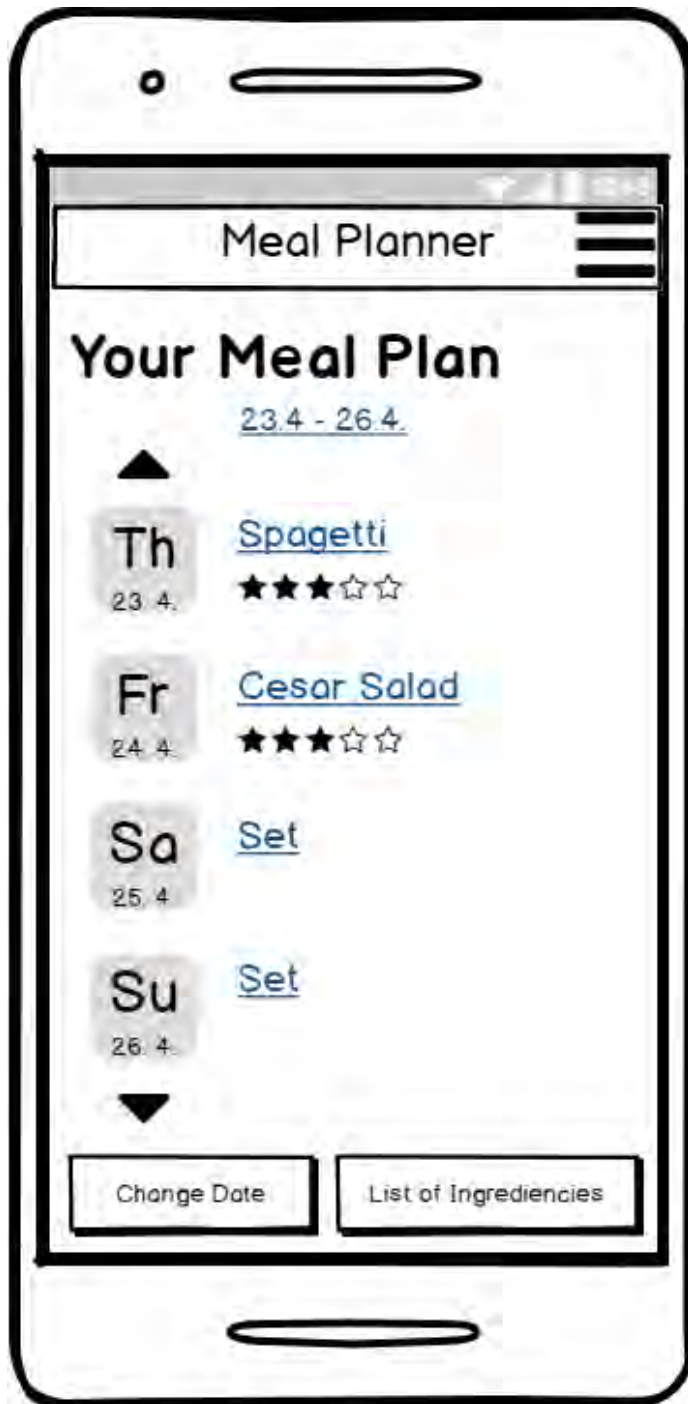
## Inputs (list of 5 items)

- Chose meal for specific day (user can chose recipe on internet or write down own)
- Chose special diet (food allergy, lose weight, ... )
- Contact information (user can order ingredients from delivery store, after initial settings this should be able to do in few clicks)
- Let other members know when cannot find some food
- Set the price of the purchase
- List of ingredients should be editable

## Outputs (list of 5 items)

- List of ingredients for shopping (it is generated automatically from recipes)
- Notification to specific user when something was not find in store
- Weekly dinners overview
- List of favorite food for every member
- Alternative meals when something is not found in store

# Wireframes



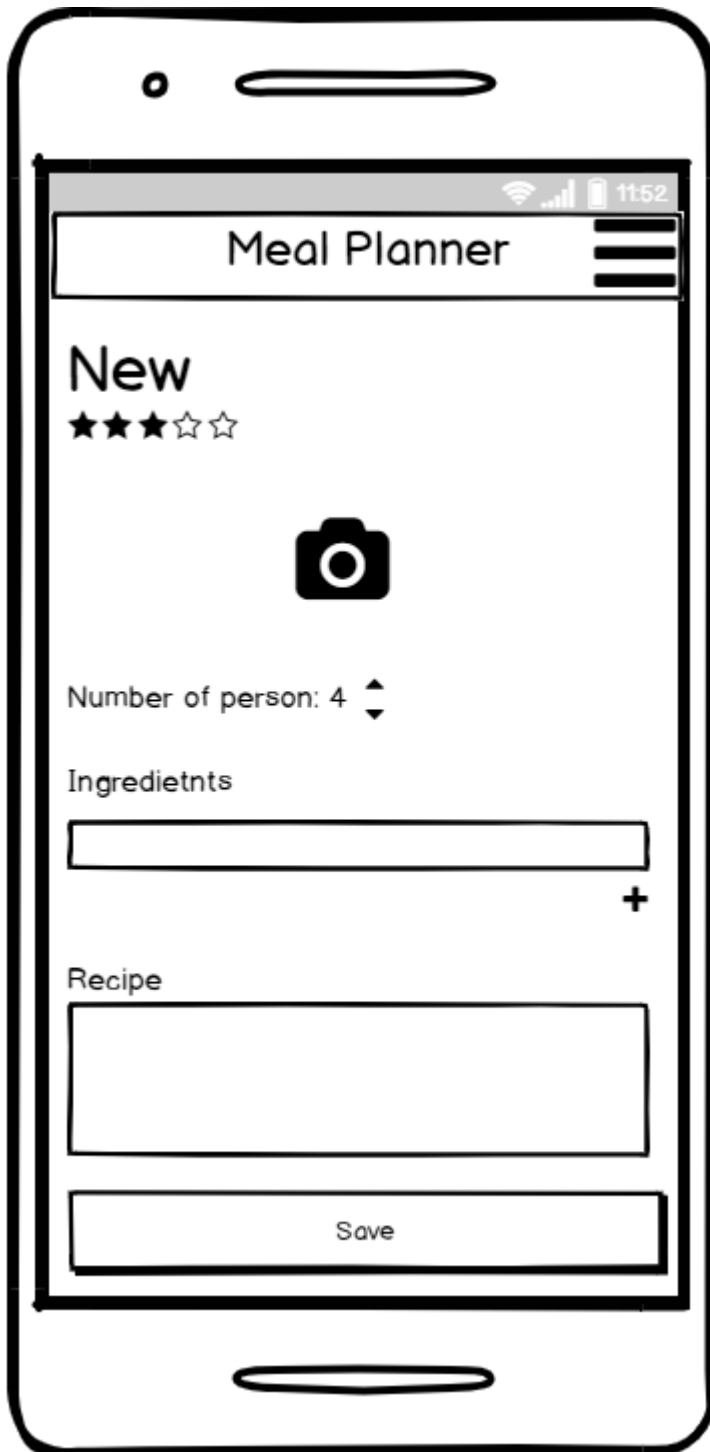
On this screen you see list of meals for chosen time period.



Screen for changing the date.



Screen for picking the meal. You have tips in top section, you can add filter, select form top rated meals or add new meal.



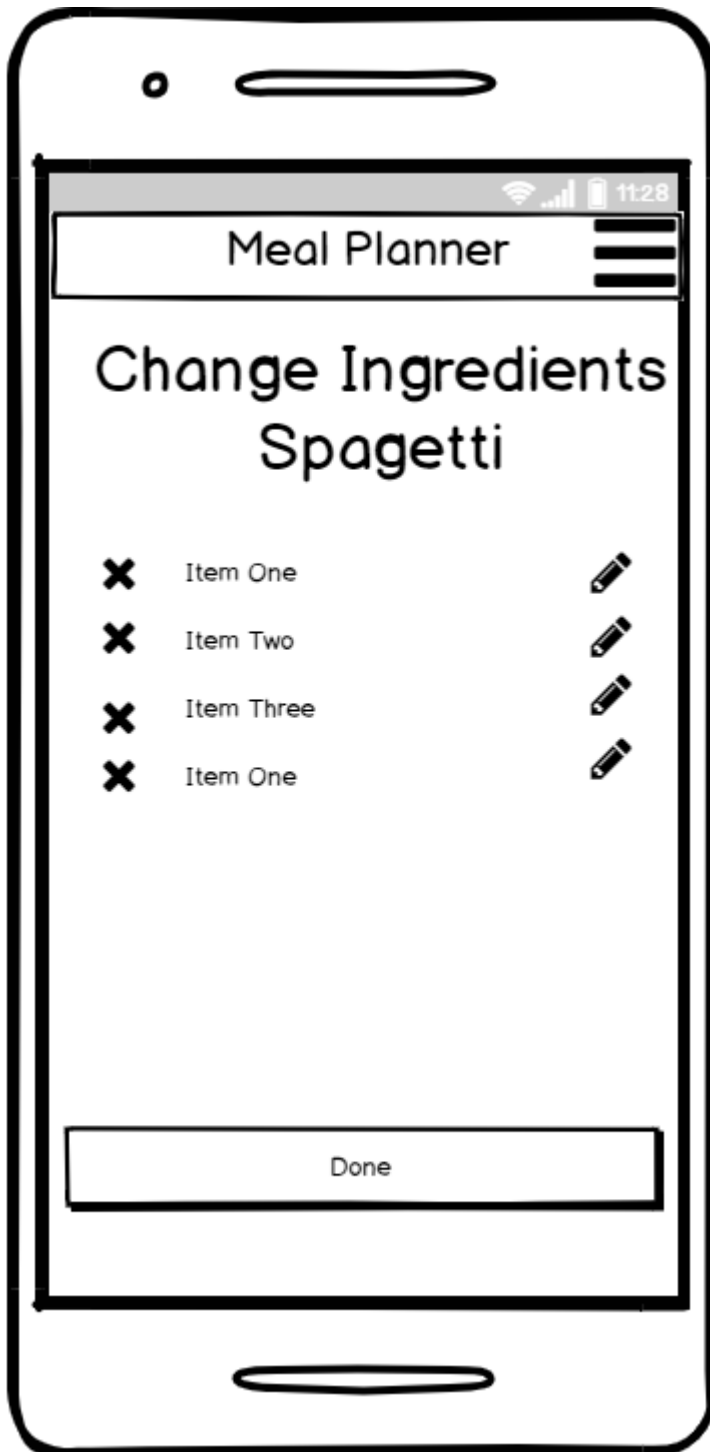
You can add your own meal.



Meal detail.



Generated list of indrediciencies.



Here you can change or delete ingredients.



Generated shopping list, that is possible to edit, assign to other person, order form delivery store, check as done when the purchase is done or solve some kind of problem.



You can chose form your family members who will make the purchase.



# Paper Prototyping

## Task Description

- 1) Create shopping list
- 2) Add new meal
- 3) Assign shopping to member of your group

## Changes

- 1) Back navigation

User was not able to move effectively between the screens.

I would add a right arrow to top left corner on every screen.

- 2) Menu

I did not incorporate menu to the design. In second task Create New Meal user said, he would look first there.

I think it is quite good place to have some features, I would add menu items: New Meal, Members of my Group, ...

- 3) Time period

User did not understand it is possible to work with time period not just one day.

I would think on ways how to emphasize user can pick more days to set for further use. Bigger time period on top of the screen would be the first thing that I would experiment with.

- 4) Different texts

- On Pick date screen user did not notice it is necessary to confirm the chosen dates. User suggested button should be renamed from "Pick date" to "Confirm".
- Shopping list: Button "Delivery" was not recognized to lead to the Delivery Service. User suggested to rename the button from "Delivery" to "Delivery Service"

- 5) Assign shopping list: possibility send via e-mail

User suggested it would be worth to have also possibility send shopping list via e-mail.



Left right scrolling in Meal Selection



Picking Date Period



State before and after Meal Selection