

Submitted by Group 18

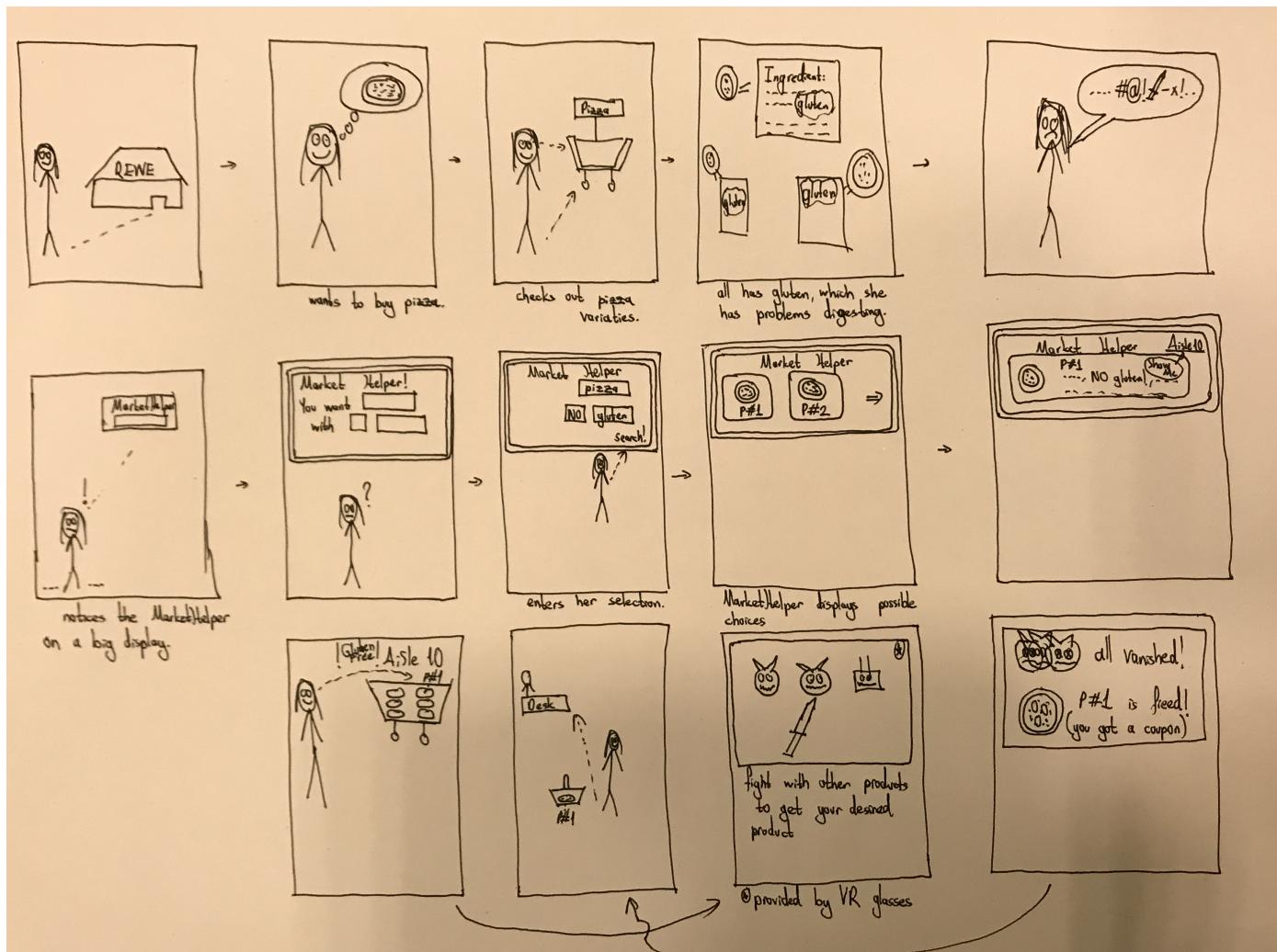
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DIS1 WS 19/20 - Project Milestone III
Ideation - Phase II

1 Storyboard walkthrough

1.1 Solution #1:



User #1:

- Name: Hakan
- Information: age of 23, Turkish
- Profession: M.Sc. student
- likes to play games and hang out with friends
- representative of our third persona (David)

Answers:

- Do the users understand the solution?

Yes, it was clear for the user. The user also really likes the solution.

- Do the users find the solution realistic?

Not so much. The other parts are really possible, while VR goggles part was not realistic at all: the fighting with the other mascots is silly, not everyone wants that (might be hard for elderly). But fighting for right-earned food might also be fun for some.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

Yes, especially when he wants to find some obscure ingredient that he needs to complete a recipe. It is also better than asking some retail worker. He agreed that it might solve his problem.

Transcript of the User Study (shortened):

Q: (the solution is explained) Can you take a look first? On the first box you can see a girl, this girl has a specific condition, ..., she has to find a specific product (pizza with no gluten), yet it does not have to be about just some health condition.

A: It is pretty clear from the drawings and also after you explained. I think it is a quite nice solution.

Q: Do you find the solution realistic?

A: To be honest, the part about VR goggles are not really realistic, but the parts before are quite realistic and possible.

Q: Why do you think so?

A: The fighting with the other mascots are for me silly, people do not want to fight each time they go shopping. Also, not good for elderly, for example, and it seems kinda silly.

Q: Do you think that people would find this fun? Did you find this idea fun?

A: It could be fun, yeah. You can just get into the game (like role-playing) and in the end, you get your hard earned food, but I do not think it is a viable solution here.

Q: Do you have such a problem (of finding the right food)

A: (explains his experience, especially about specific recipes calling for specific ingredients) This kind of thing would help. So yes.

User #2:

- Name: Furkan
- Information: age of 26, Turkish
- Profession: M.Sc. student
- interested in fitness, likes to learn about anything, joining online courses, gym-going, reading a lot
- representative of our first persona (Picky Eater Helga Ratt)

Answers:

- Do the users understand the solution?

Yes, only the game part is not very clear. How is he going to kill the other mascots was not clear. One other question was whether VR goggles are going to provided by the market.

- Do the users find the solution realistic?

He is both concerned about the number of available screens in the market and who would provide the VR goggles. In short, he does not find it that much realistic.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

He thinks this would not solve his problems in its current form. He would like to have it in a way that more than one item is searchable via the application, so we would not spend so much time in front of the screen. However, he finds this promising.

(he is also curious whether people would be concerned about gazes of others, as this application would be out in the open and everyone would see what he searched for)

He said playing games in home and coming to fetch the coupons would be more fun!

User #3:

- Name: Sare
- Information: age of 27, Turkish
- Profession: M.Sc. student in Industrial Engineering
- spending time with friends, doing sports, reads a lot, loves traveling around, cooks a lot
- representative of our mother persona (due to her cooking a lot)

Answers:

- Do the users understand the solution?

The user understood the solution. She thinks that it would help especially when she checks whether some product has pork in it.

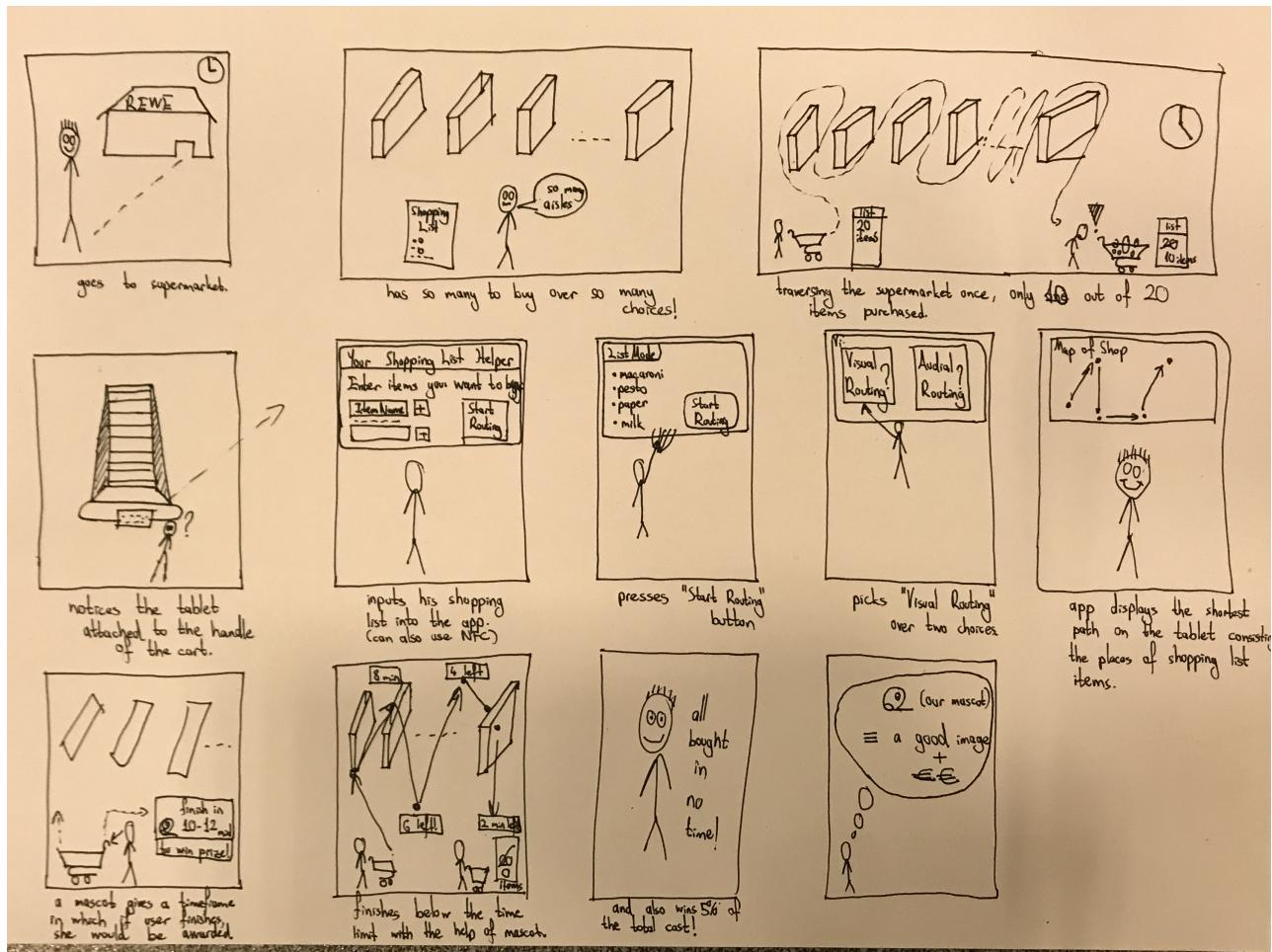
- Do the users find the solution realistic?

Yes, but the cost of such VR peripherals seems a bit high to her.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

She believes that this could solve her problem, but something that would take her to the actual place might help better.

1.2 Solution #2:



User #1:

- Name: Hakan
- Information: age of 23, Turkish
- Profession: M.Sc. student
- likes to play games and hang out with friends
- representative of our third persona (David)

Answers:

- Do the users understand the solution?

Yes, it is quite clear. The user were able to explain the solution completely by putting himself in the shoes of the example in the storyboard.

- Do the users find the solution realistic?

Much more realistic than the Solution #1. Also, he finds this solution innovative to come up with.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

Yes, definitely. He also goes around the shop and got bored afterwards seeing all the same places, and this would really improve his experience.

Q: (solution explained) The storyboard is a bit obscure (the candidate agrees). You can choose a routing based on your preference. (...) In a time range, if the customer goes to the cash desk, with the mascot cherishing for you. Do you understand the solution?

A: Yes, quite clearly. (the user explains in a short manner)

Q: Do you find the solution realistic?

A: Yes, especially compared to the solution #1. As long as the layout of the shop significantly changes, it is pretty

innovative thing to come up with.

Q: Do you find the solution fun?

A: Yes, unlike the first one, it does not interfere with my shopping, and if I am fast enough, and with a coupon that is a positive feedback, that is actually pretty good.

Q: (some extra questions on usability)

User #2:

- Name: Furkan
- Information: age of 26, Turkish
- Profession: M.Sc. student
- interested in fitness, likes to learn about anything, joining online courses, gym-going, reading a lot
- representative of our first persona (Picky Eater Helga Ratt)

Answers:

- Do the users understand the solution?

Yes, user understands the solution and can explain the solution with his own words.

- Do the users find the solution realistic?

Yes, but the user finds it not so viable for the supermarket, as supermarkets want the customers to spend more time inside, so the customers would buy more.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

Yes, the user agrees that this product would solve his problem, yet he is curious about the approaches of the supermarkets towards this product. Moreover, he does not want to be seen running around for coupons (it is explained that there would be time frame, so no early finishers would be gifted coupons)

Q: (solution explained as before)

A: (finds the mascot not decipherable, explains the solution in his words)

Q: Do you find the solution realistic?

A: Realistic, but one catch: there is a product like that. It is also counterproductive in the sense of supermarket, they want people to spend money. Good for the customer, not so good for the supermarket.

Q: Do you think that this solution can solve your problem?

A: Definitely. Would help me in my shopping, no doubt.

Q: Would it be more fun?

A: Nobody would like to look cheap running around (we explained that there would be a timeframe, not would be a race to go earlier)

User #3:

- Name: Sare
- Information: age of 27, Turkish
- Profession: M.Sc. student in Industrial Engineering
- spending time with friends, doing sports, reads a lot, loves traveling around, cooks a lot
- representative of our mother persona (due to her cooking a lot)

Answers:

- Do the users understand the solution?

She understood the solution and she was able to explain the solution in her own words in 5 sentences. She finds the solution very enjoyable.

- Do the users find the solution realistic?

She finds the solution realistic, and she thinks this should be implemented in supermarkets.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

That would definitely solve her problem, as she spends most of her time traveling around a supermarket.

1.3 Solution #3:



User #1:

- Name: Maria
- Information: age of 43, Polish, mother of 3 young kids
- Profession: teacher
- representative of our mother persona

Answers:

- Do the users understand the solution?

In general she understood the solution. The only one problem what made her confused was possibility to try different dishes. She described that storyboard shows "normal" size dish instead of little portion to try. I had to clarify that main idea is to get inspiration what to cook.

- Do the users find the solution realistic?

She is around 40 years old and she is not technological geek. So didn't get valuable response. She just said "Yeah why not, that will be beneficial for users and supermarkets Such solution will definitely attract people."

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

She really like this solution. "I'm always tired and bored after 8 hours of work. Before relaxing in the front of TV i have to do everyday shopping.". The only one aspect what made her confused, was that even though after relaxing in the massage chair she has to cook at home. She said "What about - buying HEALTHY dishes in supermarket? I can imaging reading my favourite book in the store and someone else is preparing food for me. But it has to be healthy and well prepared. Then I will be able even to pay little bit more. Yeah that sounds better. I will pick what my family wants to eat and then I will have 30 min of relax."

User #2:

- Name: Marek
- Information: age of 23, Polish
- Profession: Computer Science student
- representative of our student persona

Answers:

- Do the users understand the solution?

He understood the solution, and he explained storyboard correctly. He had just one idea for improvement "I don't see sense of making parallel stories. One story without your system and one with your system. I think better will be focus on yours system, and not show how ordinary shopping look - everyone know that."

- Do the users find the solution realistic?

He was really pessimistic about the solution. He was complaining about the price and target users. "Firstly that will be extremely expensive to implement. Whole supermarkets will have to have larger dimensions.. System itself will be expensive. If you will provide 10 massage chairs. What about other people waiting for massage? Maybe better will be to called it "Massage and food" and provide something like restaurant. And skip the concept of implementing it in supermarkets."

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

He said that it will be nice improvement in shopping. But as mentioned earlier - hard to implement.

User #3:

- Name: Agata
- Information: age of 20, Polish
- Profession: Law student
- representative of our picky eater persona

Answers:

- Do the users understand the solution?

She understood the solution. She could explain storyboard step by step.

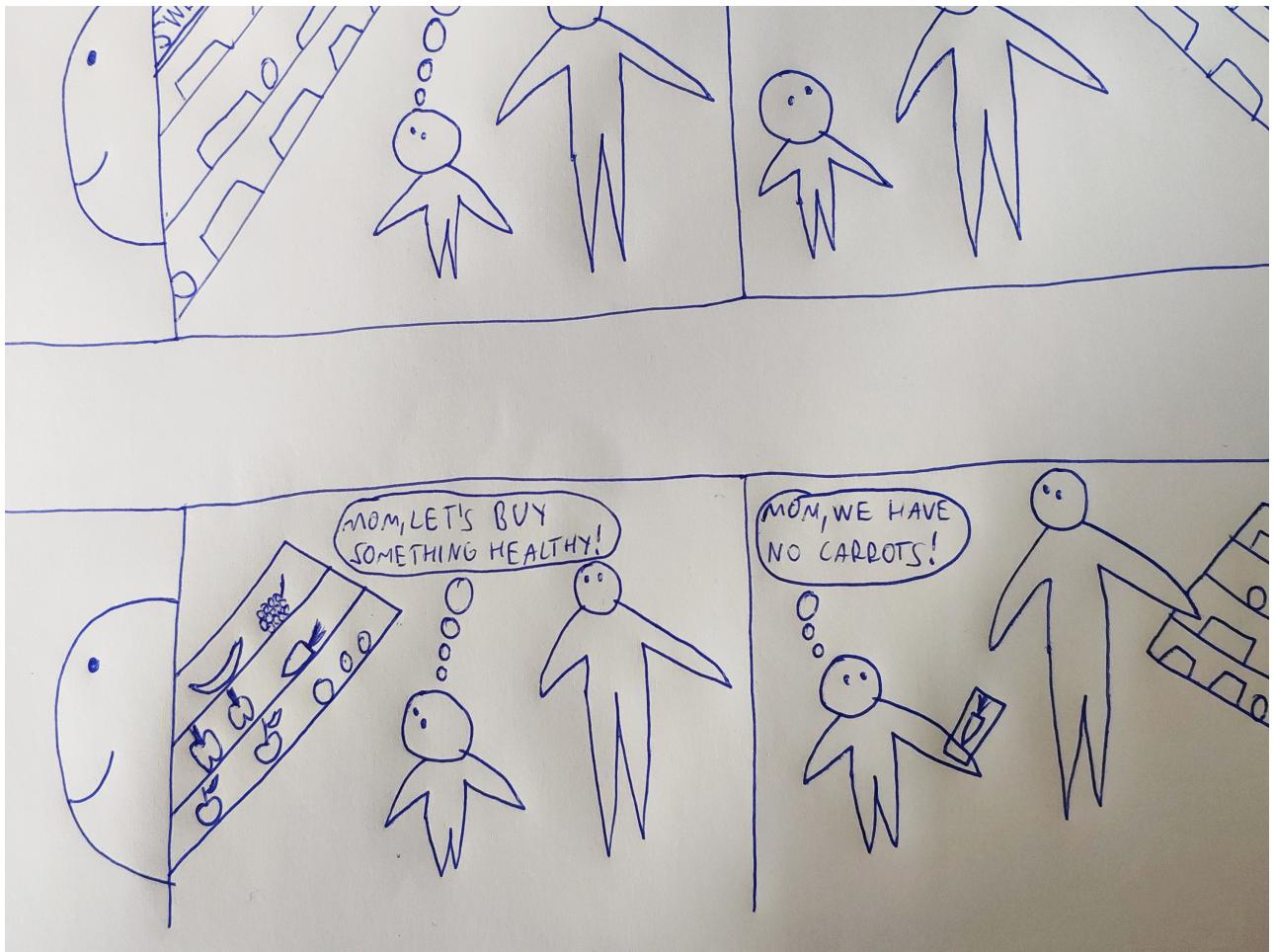
- Do the users find the solution realistic?

She was optimistic about the solution. But she was rather thinking about "nice solution for her problem" and she was not deep thinking about other aspects as price and actual implementation.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

She said that our solution will be helpful for her if - "You will serve products without lactose for me. Then I'll find solution to my problems with finding products in supermarkets"

1.4 Solution #4:



User #1:

- Name: Magda
- Information: age of 47, Polish
- Profession: accountant
- a mother of two
- representative of our mother persona

Answers:

- Do the users understand the solution?

Yes, the user did understand the solution and she was able to correctly explain solution by herself.

- Do the users find the solution realistic?

Even though she isn't a technological geek, she found realistic since the solution uses an app and screen on refrigerator, similar to the one she has at her home.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

User opinion is that she thinks it would be great to encourage kids to buying healthy food and she would love some help with planning what to buy, but she isn't entirely convinced that most kids would enjoy cartoons about healthy food. In general, she feels that this solution would solve her problems if cartoons were entertaining for kids

Q: (the solution is explained) Is the explanation clear to you? A: Yes it is. Q: Do you find the solution realistic? A: Yeah, why not? Especially the screen part, because it is similar to the one I have on the fridge. Q: Do you think that people would find this fun? Did you find this idea fun?

A: I think it should be fun for kids, but cartoons have to be really good in order to make them enjoy them. From my experience, healthy food topic isn't most favourite for most kids. Q: In overall, do you think that this idea would

solve your problem?

A: Yes it would solve the problem, because having a kid who would help me in a shop would be great, since 4 hands are better than two, but as I said before - it all depends on quality of cartoons. Another thing of course is that it would great to encourage kids to eat healthy food.

User #2:

- Name: Jan
- Information: age of 21, Polish
- Profession: undergraduate student in Poland
- philology student
- representative of our student persona

Answers:

- Do the users understand the solution?

Yes, he did understand it correctly.

- Do the users find the solution realistic?

Yes, he found it realistic. However, he noted that making cartoons requires a lot of time, creative people and money.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

He stated that he would like some help with his desire to eat healthy and any app that helps and reduces time spend in shop is good, but he feels that this solution isn't suited for him, even though he has little sister. However, he can imagine, that it might be helpful for him in the future, when he'll become a parent.

Q: (the solution is explained) Is the explanation clear to you?

A: Yes, I think it is. Q: Do you find the solution realistic?

A: I think that on tech side it is quite easy to implement. However, it might be problematic to create those cartoons. It would be a process like creating another cartoon for big kids TV. It requires many creative people, like movie directors, to be involved to which the creators of the solutions would need to pay. Q: Do you think that people would find this fun? Did you find this idea fun? A: If done right, I think it would be fun. Q: In overall, do you think that this idea would solve your problems with food shopping?

A: It's very important for me to eat healthy so any app that would help reduce time spent on planning and shopping would be great, as it is time consuming and I don't have that much time, especially now, pre exams. As for now I think that this solution isn't best for me, because I don't have kids! (laughs). Q: How about future? A: Yeah, I can imagine that I would like to have some help from kids in shopping. That would be much better than doing shopping with bored one.

User #3:

- Name: Kacper
- Information: age of 21, Polish
- Profession: undergraduate student in Great Britain
- electronics student and marathon runner
- representative of our picky eater persona

Answers:

- Do the users understand the solution?

Yes, he did understand it correctly.

- Do the users find the solution realistic?

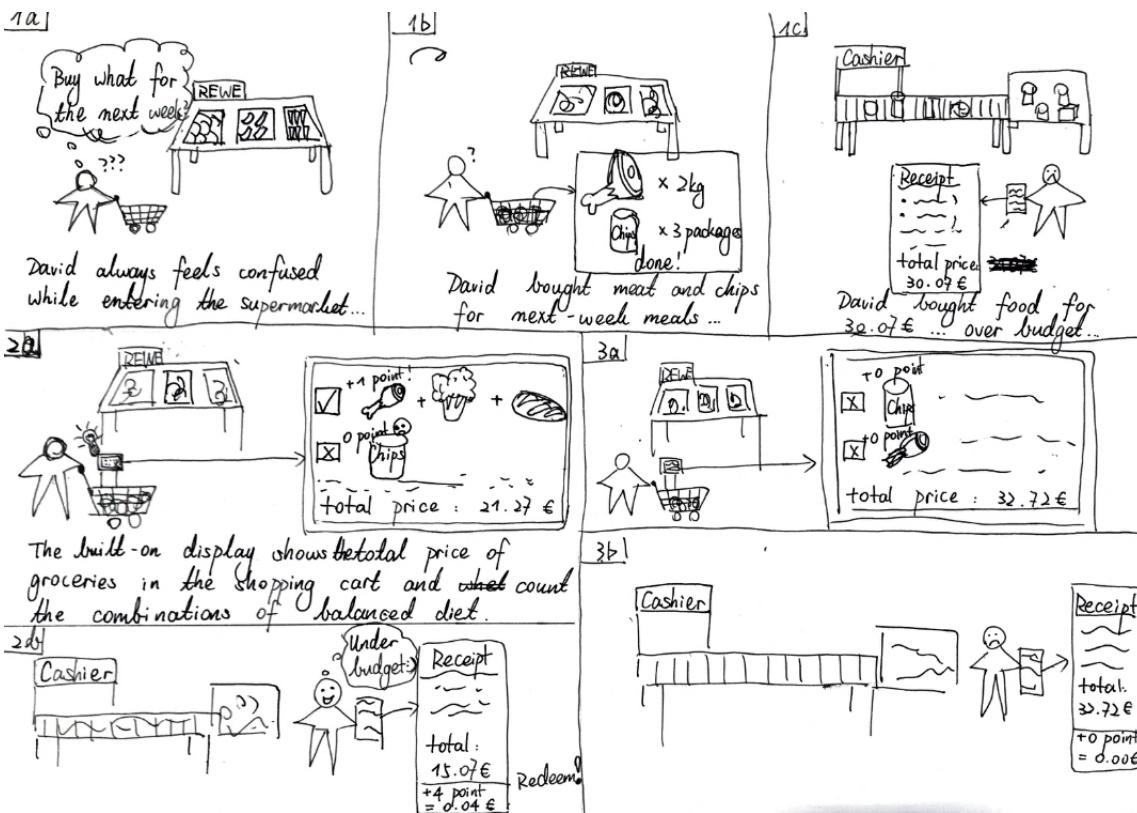
He thinks that on technological side of the solution it is realistic, however he stated that cartoons would be suitable only for smaller kids. In his opinion most kids who are in later years on a primary schools wouldn't enjoy those cartoons.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

The user did like the idea, especially since he is a marathon runner who needs to eat healthy. He felt that it would decrease his time spent on daily routine of planning and buying healthy food. Also, he noted, that there has to be huge amount of cartoons created in order to have one per every shopping.

Q: (the solution is explained) Is the explanation clear to you? A: Yes it is, but I have some issues with this solution.
Q: What issues? A: I think that only smaller kids would enjoy cartoons about "happy healthy carrots" etc. Let's say those who are before 4th grade of primary school. Also, to cover a whole year of shopping a lot of cartoons should be made. Almost like "Bold and Beautiful" (laughs)! Q: Do you think that the solution is realistic? A: Yes it is. It's only app and a screen on fridge. Q: In overall, do you think that this idea would solve your problems with food shopping? A: I think it would help me, because I'm one of those who very often forgets about what I have in a fridge and since I have to follow a diet during my training period, an app that would remind me what I have at home would be good
- It would definitely decrease time spent on thinking in shop.

1.5 Solution #5:



User #1:

- Name: Katarzyna
- Information: age of 23, Polish
- Profession: student of mechatronic
- representative of our student persona

Answers:

- Do the users understand the solution?

In general she understood the solution. She went through solution one and two step by step correctly. She got stuck just on third solution "What is the difference between steps 1a, 1b, 1c and 3a, 3b? I think that is the same concept - user is unhappy that is over budget."

- Do the users find the solution realistic?

She was really optimistic for such app in the supermarkets. "Looks like great helper for healthy eating. I'll definitely try. But it will be nice to have some kind of helpers (system helps user to pick right products) - not just scanning barcodes and count proteins..."

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

She enjoys the solution. She emphasized that it would be a nice helper for healthy eating.

User #2:

- Name: Barbara
- Information: age of 37, Polish, mother of 2 kids
- Profession: Civil servant
- representative of our picky eater persona

Answers:

- Do the users understand the solution?

She understood the solution. She just mentioned that it's too much information on the storyboard "I think that you can stick with first and second story. Third story is redundant. Additionally maybe better will be to

use just images instead of images and text. Or you can leave key words like - balanced diet..., I think there is too much text.”

- Do the users find the solution realistic?

She was very optimistic about the solution. ”Yeah, I’ll try such system. I’m always struggling with picking products without lactose. It will be very nice if system will help me.”.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

Yes, she was really fascinated about this idea.

User #3:

- Name: Dorota
- Information: age of 50, Polish, mother of two grown children
- Profession: nurse
- representative of our mother persona

Answers:

- Do the users understand the solution?

She needed more time to understand the solution. ”At the first glance, I thought that’s one story, not three stories.”. But generally she understood.

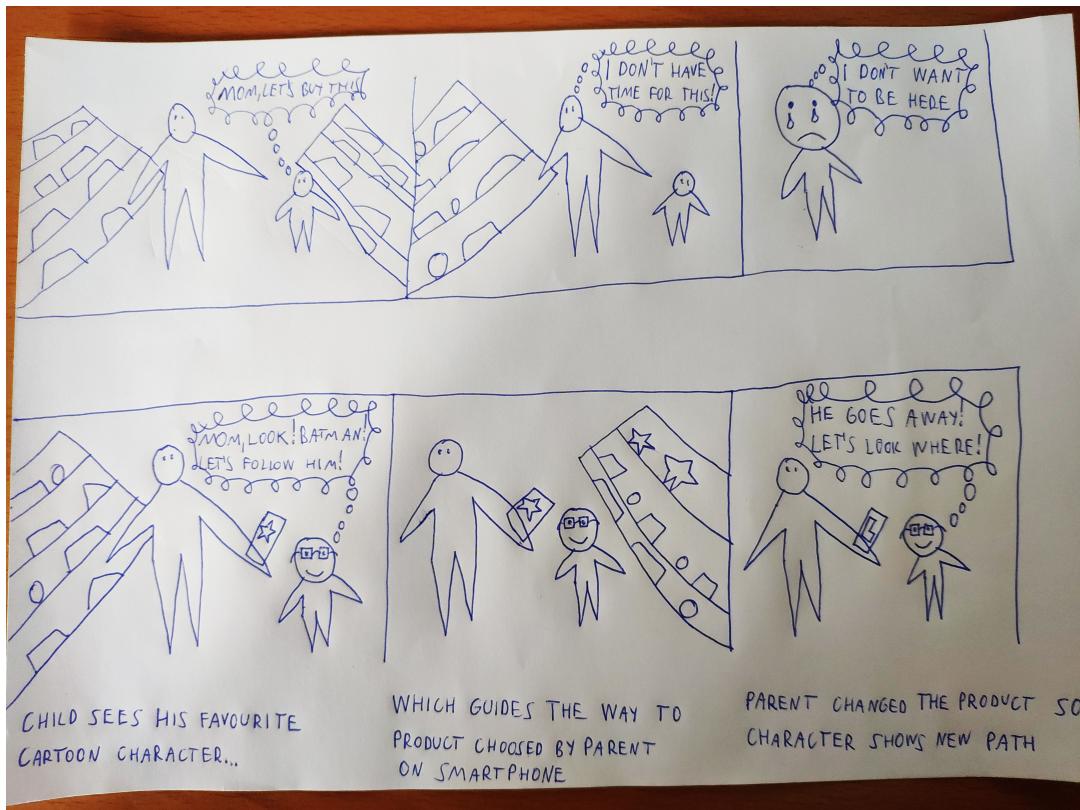
- Do the users find the solution realistic?

She is not up to date with technology. So didn’t get any valuable response.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

She was rather pessimistic about the solution. ”People in my age rather not checking tablets on basket in the store. When I’m going to the supermarket even if I don’t know what to buy, I like to look around. And find what is interesting. But maybe for teenagers that solution will be valuable”

1.6 Solution #6:



User #1:

- Name: Kasia
- Information: age of 52, Polish, mother of 2 growth children
- Profession: pharmacist
- representative of our mother persona

Answers:

- Do the users understand the solution?

User understands solution, knows the VR glasses, AR required a little bit of explaining.

- Do the users find the solution realistic?

She finds it realistic, but at the first place she mentioned that she always has a shopping list and don't mind other products.

She also restricted the age of children to 10 years, because in her opinion after this age children feels more "adult" and wants to be perceive like this.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

Yes, when parent have no option to leave child with someone else, it would a great option. But only if parent is open to new solutions and wants to play with his child.

User #2:

- Name: Bogna and Adam
- Information: age of 53 and 56, Polish, parents of growth child and teenager
- Profession: kindergarten, driver

Answers:

- Do the users understand the solution?

Female needed explanation about glasses, male understood without additional explanation.

- Do the users find the solution realistic?

Yes, children are very interested in new technologies. Female said that children do not like to wear glasses, but adding some interesting colorway may be helpful.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

Yes, but in longer perspective it may be boring for children.

User #3:

- Name: Barbara and Krystian
- Information: age of 42 and 46, Polish, parents of growth child, teenager and 6-year old child
- Profession: social worker, cooker

Answers:

- Do the users understand the solution?

I had to explain again what are AR glasses, on basic of VR glasses.

- Do the users find the solution realistic?

Yes, they are sure that when child will see his favorite character, will follow him. They restricted that probably it would have better feedback in bigger cities.

Also, they mentioned about seeing in shopping malls a lot of children sitting in the cart with smartphone and watching some cartoon, and said that our solution is much better.

Additionally I asked if they would pay for rent of glasses, they said yes, and compared this to shopping carts in shape of cars.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

Only problem they see is accepting this solution by shopping malls. They also suggest way for convincing sellers to use our system - character that child sees could show parents some alternatives (f.e. family goes for cereals - system suggests going to shelf with milk)

2 Our Evaluation

Pros & Cons of Each Solution:

- Solution #1:
 - * (+) People are conscious about the ingredients (culture, preference, or a specific recipe calling for certain product), and this solution caters directly to this behavior.
 - * (-) Might not be helpful, and people prefer to be accompanied until the place of a product, just telling them "Aisle 10" might not help, as our user studies suggest.
 - * (-) Screen of big display allowing gazes of other passerby people might push people off from using this device, as suggested by our user studies.
- Solution #2:
 - * (+) Directing people directly to the products one-by-one observed as something really enjoyable. One user off-record commented that they would really enjoy audial routing option, just like a robot being controlled.
 - * (-) Might not be wanted by the supermarkets, as supermarkets want people to stay as much as possible, so those people can spend more.
 - * (-) People might rush to the cash desks (this has been argued with users that there would be a time-frame, yet, this has been mentioned a lot, that is why this is added here).
 - * (+) The use of mascot is thought to be well-appreciated, and it can be customized based on the customer.
- Solution #3:
 - * (+) Supermarkets will have larger group of trusted customers. People who will find shopping more fun, not just everyday duty.
 - * (-) Our solution will be extremely expensive to implement. We'll need space in supermarkets for our chairs. Probably that will have to be included in architect projects. -*i* that will cause extra fees.
 - * (-) Supermarkets will need to hire extra employees - chefs to preparing dishes. That will cause another demand, kitchen in the supermarket.
- Solution #4:
 - * (+) The solution would help people organize healthy eating and is very realistic to implement
 - * (+) It would encourage kids to help parents with shopping
 - * (-) It would take a lot of creative work to create interesting cartoons about healthy food for kids. It would also be costly since a lot of cartoons needs to be created to cover at least whole year of shopping.
 - * (-) Most likely it would be a solution for smaller kids only
- Solution #6:
 - * (+) Parents are avoiding shopping if they have nobody to leave children with, this solution would eliminate problem.
 - * (+) Time of shopping may be longer because children would like to go shops more often.
 - * (-) There is a chance that shops wouldn't accept this idea, because children often convince their parents to buy something they want.
 - * (-) Propably pretty big costs of AR glasses.

Selected Solutions:

2.1 Solution #2:

The updates on this solution:

- Making clear that there is a timeframe for successful completion of the tasks, and that coming earlier (a.k.a rushing) would not grant a user any benefit (this fact is depicted in the storyboard)

- Mascot made more visible. Moreover, mascot would inform user about the progress.

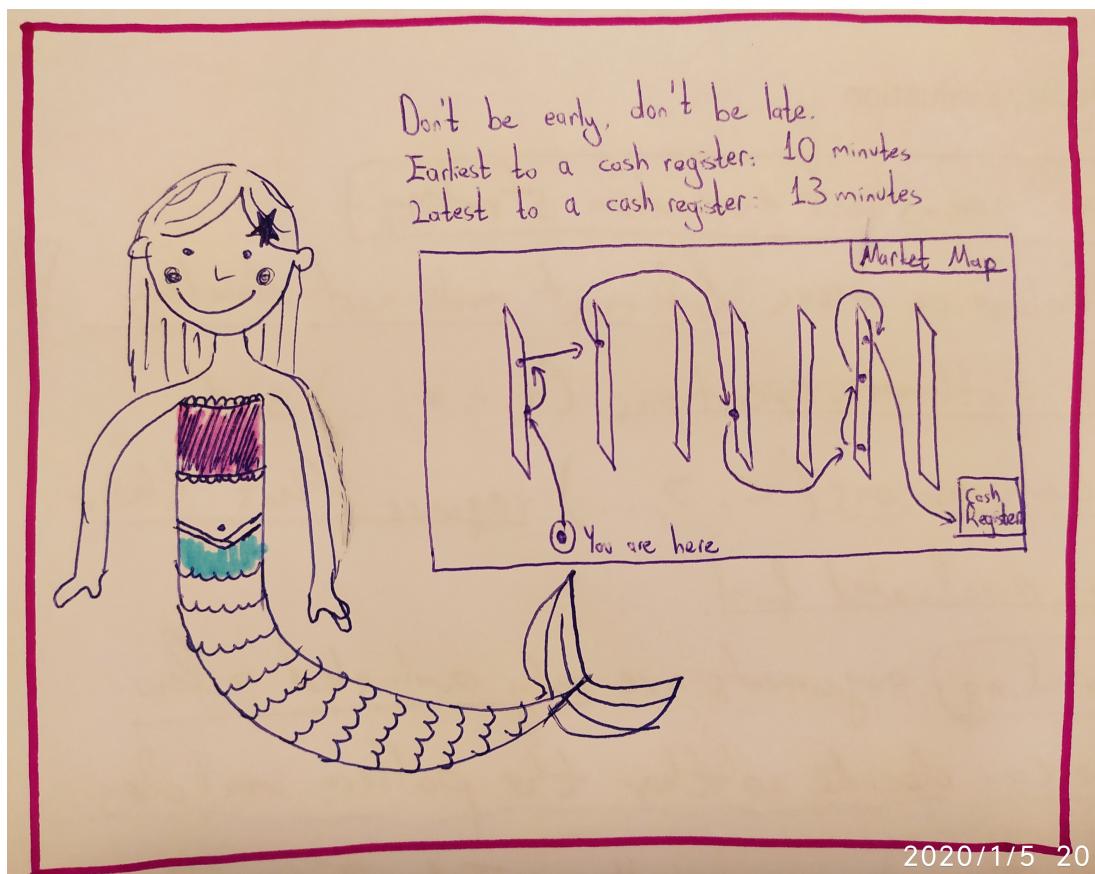


Figure 2.1: Solution #2 Storyboard Update #1:
Mascot amplified, the timeframe issue has been sorted

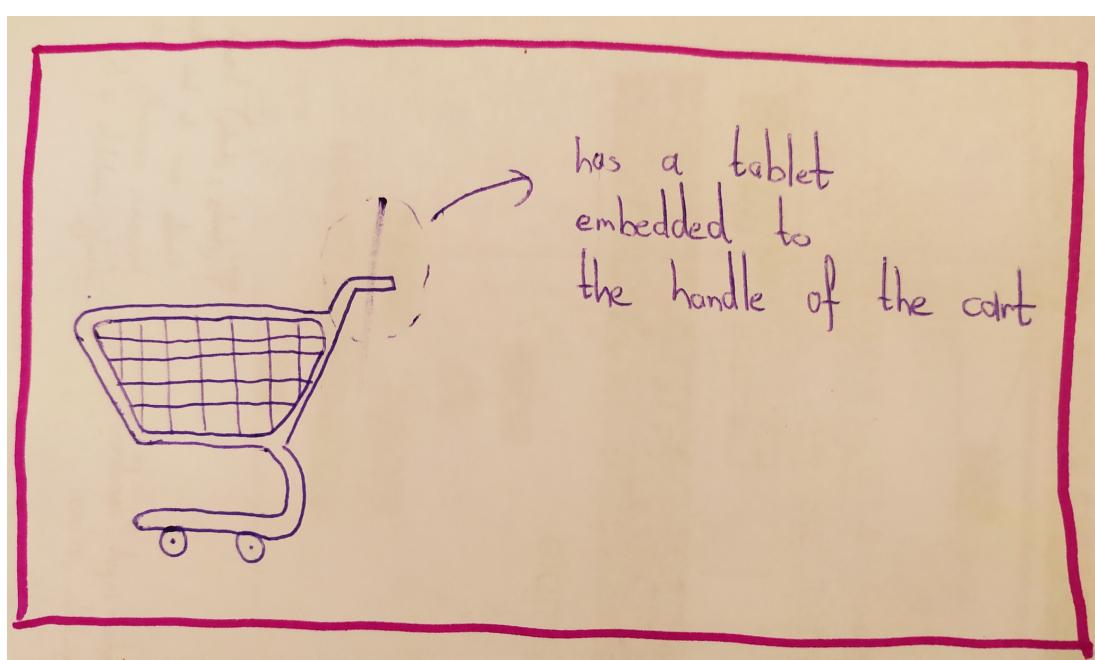


Figure 2.2: Solution #2 Storyboard Update #2:
The shopping cart + tablet relation explained in a more open sense

Note that these images would be embedded into the storyboards (avoided redrawing the whole storyboards).

User #1:

- Name: Marcin
- Information: age of 21, Polish
- Profession: student of IT

Answers:

- Do the users understand the solution?
Yes, definitely.
- Do the users find the solution realistic?
Yes, actually when he was working as the provider he thought about application working like this. He said that this should also notify if products on list are out of stock.
- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?
Yes, in his opinion only better way is letting somebody else to do a shopping.

User #2:

- Name: Borys
- Information: age of 17, Polish
- Profession: pupil

Answers:

- Do the users understand the solution?
Yes, he explained it in his way.
- Do the users find the solution realistic?
Yes, as a young person that likes to play games he was very interested about this, additionally he said that he likes to buy a products after discount.
- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?
In his opinion shopping with this solution would be much easier.

User #3:

- Name: Basia
- Information: 42, Polish
- Profession: social worker

Answers:

- Do the users understand the solution?
Yes, she understood.
- Do the users find the solution realistic?
Yes, she said that she always have problem with finding product which her husband is asking for and she has to call him. She also mentioned that it would eliminate problem of buying the product of proper producer.
- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?
She thinks that this idea would solve this problem completely.

2.2 Solution #3:

The updates on this solution:

- Improved solution presents small portions just to try and get inspiration what to cook. In this way we'll reduce expenses incurred by supermarkets.

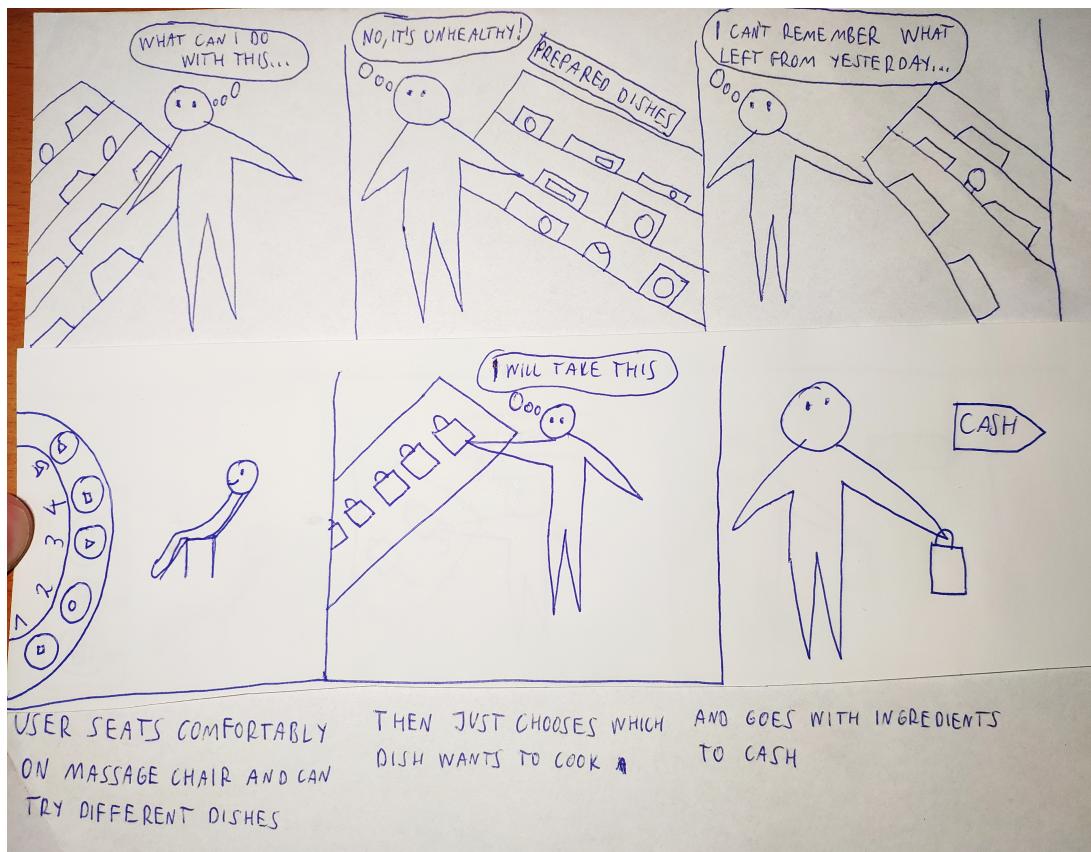


Figure 2.3: Solution #3 Storyboard Update #1:

On storyboard is presented table with different meals - but portions are small, just for trying and getting inspiration what to cook.

User #1:

- Name: Katarzyna
- Information: age of 50, Polish, mother of 2 kids
- Profession: Doctor
- representative of our mother persona

Answers:

- Do the users understand the solution?
She understood the solution. She went through solution step by step correctly.
- Do the users find the solution realistic?
She was really optimistic for trying different dishes in the supermarkets. She thought that through such solution certain supermarket will be more recognizable. So even if implementation will be expensive, that will be beneficial for owners of the supermarkets.
- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?
She enjoys the solution. She emphasized that it would be some kind of entertainment after work.

User #2:

- Name: Barbara
- Information: age of 55, Polish, mother of growth child
- Profession: Civil servant
- representative of our mother persona

Answers:

- Do the users understand the solution?

She understood the solution, and she explained storyboard correctly. She was just curious if final bag with all ingredients can be modified for individual needs. Or if it is final bag with barcode.

- Do the users find the solution realistic?

She had no strict opinion. She loved idea of "making shopping fun" by massage chairs and by reducing time spent in the supermarket. But from the other hand she was uncertain about price of implementation.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

Yes, she was really fascinated about this idea.

User #3:

- Name: Marcin
- Information: age of 29, Polish
- Profession: CEO of small IT company
- representative of our picky eater persona

Answers:

- Do the users understand the solution?

He understood the solution but he was confused for which social group we are targeting our system. He mentioned that the customer group will be limited for example "people who have time and willingness to try new dishes"

- Do the users find the solution realistic?

Yes, he mentioned about seeing in shopping malls a lot of children sitting in the cart with smartphone and watching some cartoon, and said that this solution is much better.

- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?

He was not sure if older parents would agree to this, but then added that people in his age probably won't have more children.

2.3 Solution #6:

The updates on this solution:

- Added "window" with child with glasses to make it more visible.
- Added question about paying for rent of glasses.
- Added functionality for pairing products.

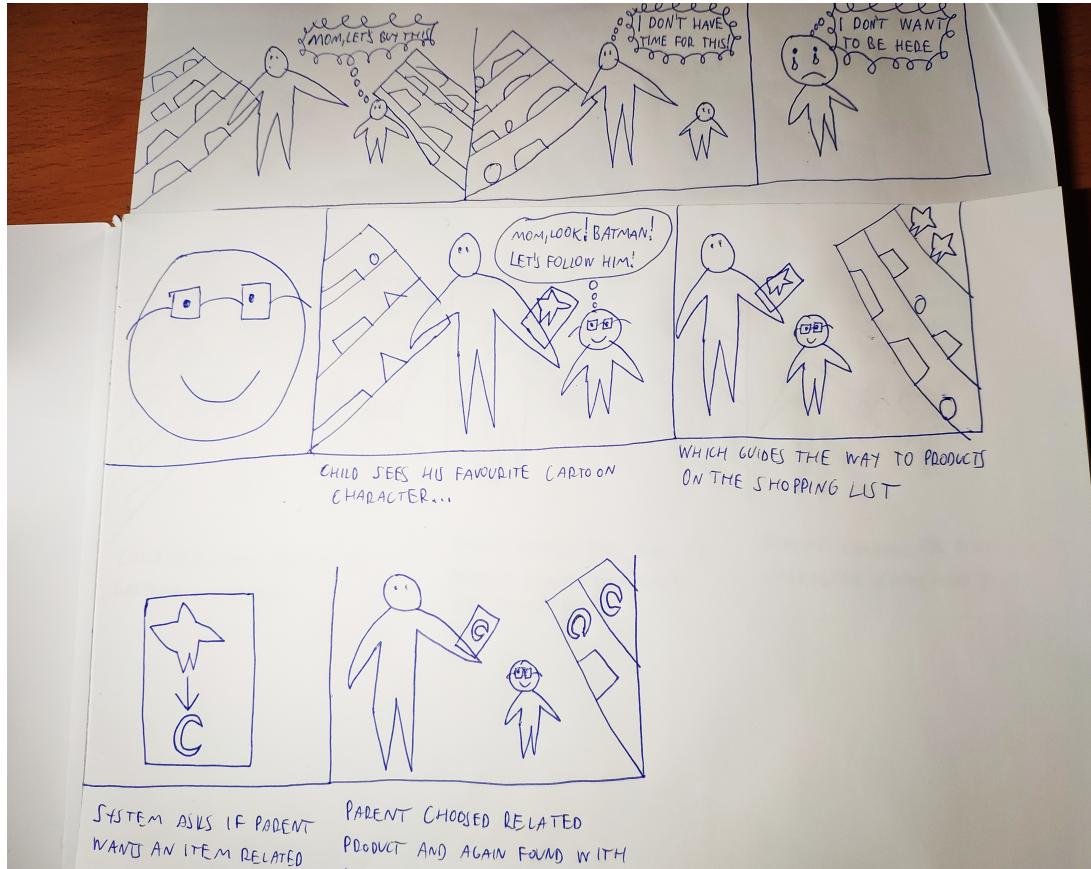


Figure 2.4: Solution #6 Storyboard Update #1

User #1:

- Name: Agata
- Information: age of 30, Polish, mother of two children
- Profession: teacher
- representative of our mother persona

Answers:

- Do the users understand the solution?
Yes, without any help.
- Do the users find the solution realistic?
Yes, she said that she always have problem with going to shop with two children at once and that it seems to be a great solution.
- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?
Yes, she was only afraid if using AR glasses by small children wouldn't have bad impact on them.

User #2:

- Name: Anna
- Information: age of 27, Polish, parent of one child
- Profession: dietician
- representative of our mother persona

Answers:

- Do the users understand the solution?
She needed additional explanation what are AR glasses
- Do the users find the solution realistic?
She was very enthusiastic about it, but she doubt if this is possible in short future.
- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?
Yes, she was very fascinate with this idea.

User #3:

- Name: Tomasz
- Information: 55, Polish, father of 3 growth children
- Profession: psysical worker

Answers:

- Do the users understand the solution?
He understood the solution but he was confused for which social group we are targeting our system. He mentioned that the customer group will be limited for example "people who have time and willingness to try new dishes"
- Do the users find the solution realistic?
As above he emphasized that our solution is for certain group of customers. He cannot see benefits for supermarkets.
- Do the users feel that this solution can solve his/her problem(s)? If not, what is still a problem? Is there a solution that could solve this?
He said that rather not. "I'm too busy to seat in the supermarket and wait for inspiration. I'm getting inspiration by online opinion "