POVS & Experience Prototyping

Presenter: Lindsey Kostas

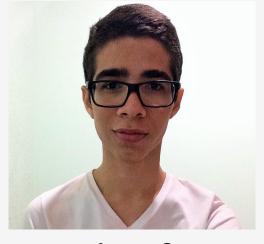
Same Team

Lindsey K.



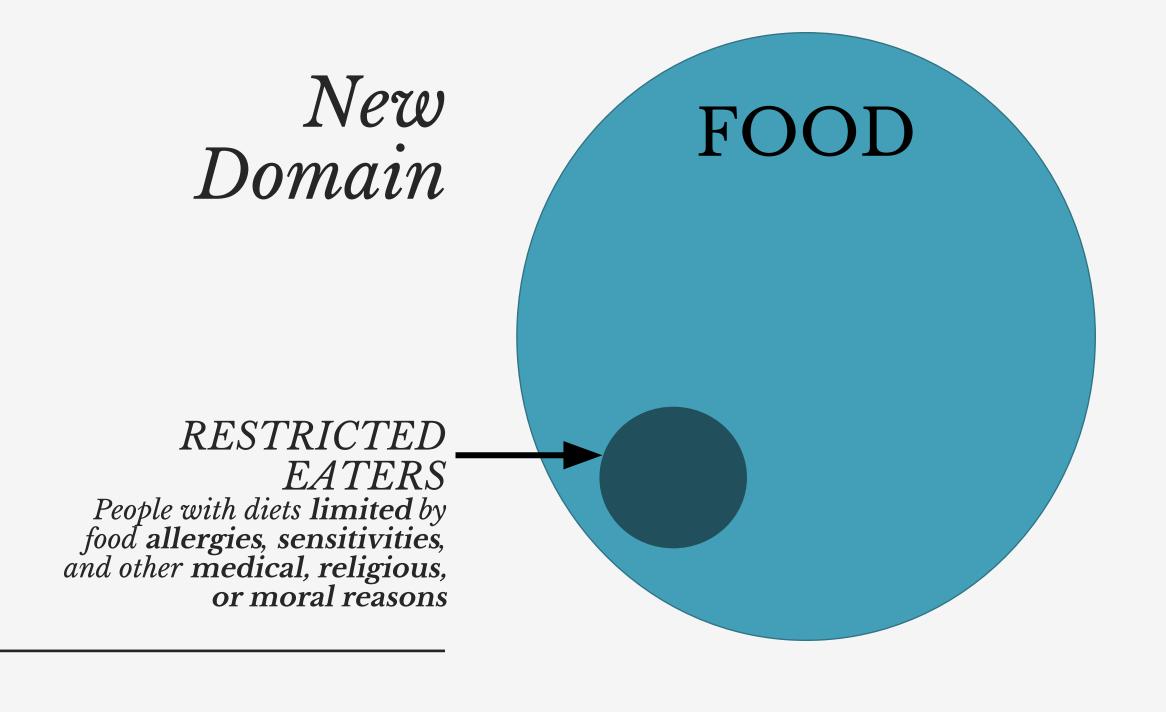


Senthilnathan V.



Jesse C.





JESSICA, a mother of a restricted eater



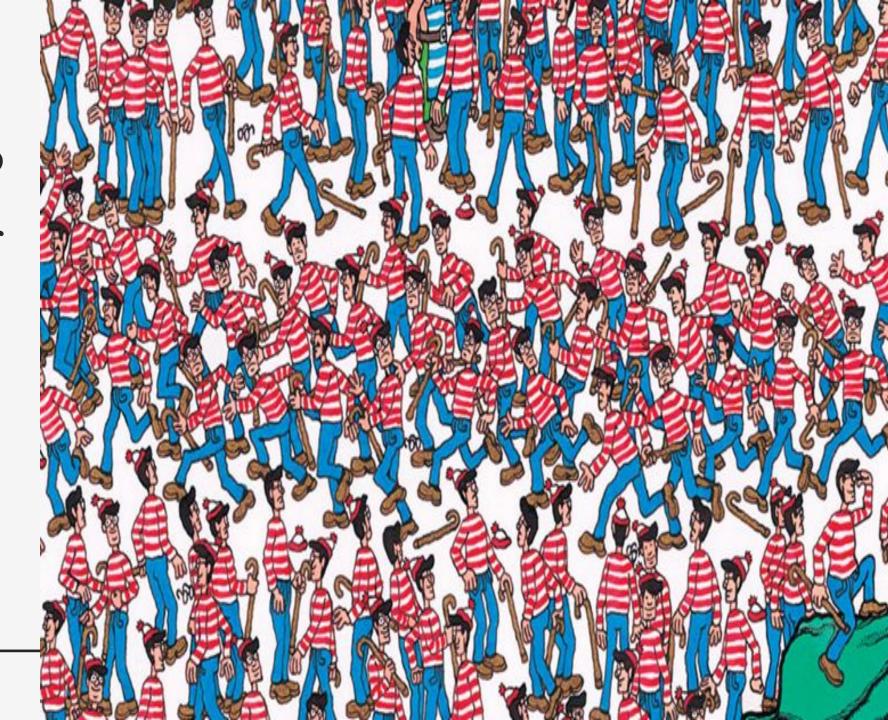
We were AMAZED to learn

That the diet restrictions of a someone she loves could cause a person to experience so much **fear** and turn getting a meal into a **stressful** and **emotionally taxing** endeavor

it would be GAME CHANGING if

Eating didn't have to be the most stressful part of a person's affected by a restricted diet day

Where's
Jessica?
Needfinding
Take 2



Paulette



Gluten Sensitivity

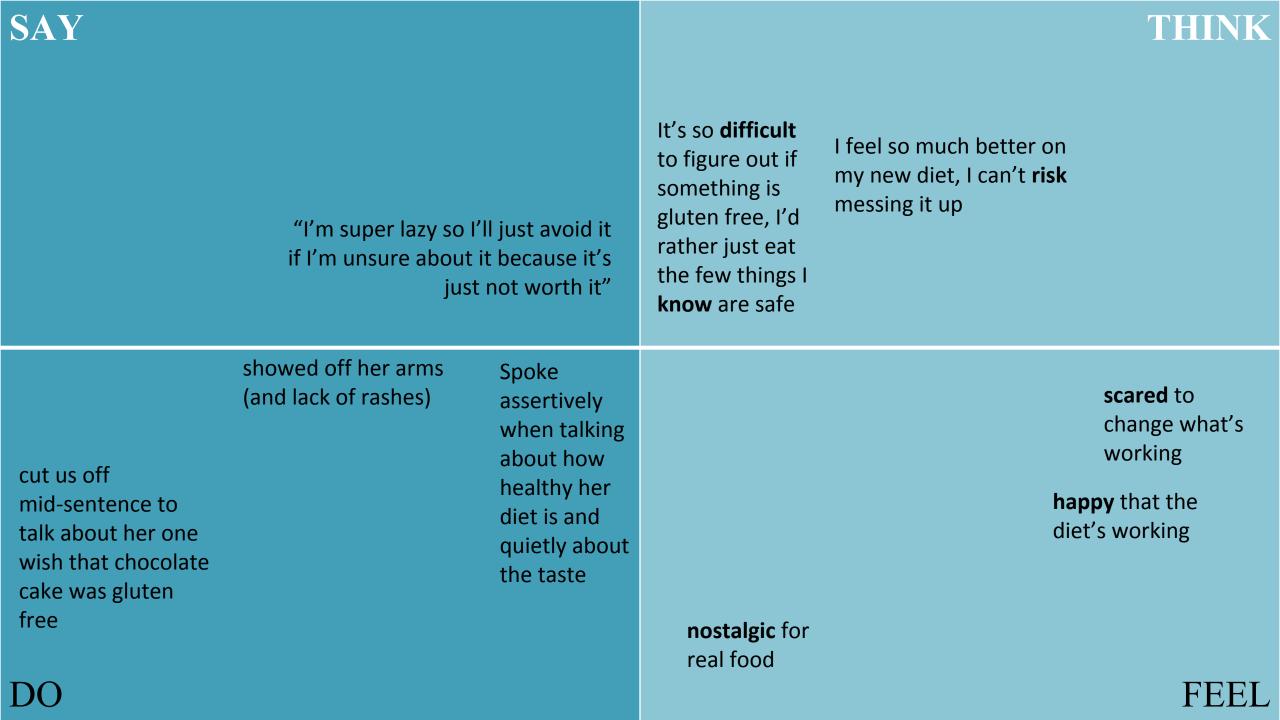
20 years old

Studies MS&E

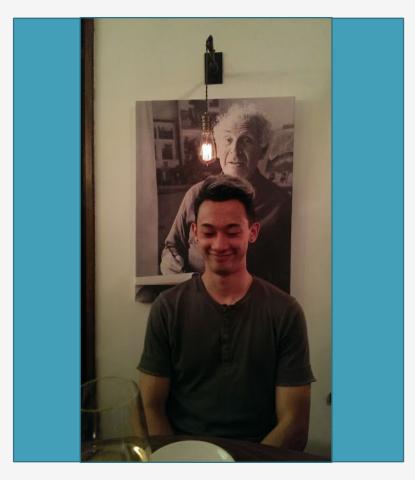
Diagnosed last year

LOVES chocolate cake





Dylan



Allergic to...Everything

21 years old

Student

Diagnosed late freshman year of college

Just wants a nice cold beer...and some

Taco Bell

I don't know what else I'm allergic to" "I can't focus - that's the worst part" "mostly everyday it's just white rice, chicken and a salad" "if I can eat potatoes, that's "Last time I had a gluten free burger in San Diego that I down the road, one day I might thought would be safe, but I still don't know what it had that be able to eat french fries with made me sick" my friends" "It's hard to be social if you can't Sometimes I'm really "some people get a meal with someone" starving and the dining hall "I almost took this can't eat gluten, I is closed and I do quarter off to "I wish I could eat chipotle, can't eat this list something stupid like tacos, mexican food in san figure my allergies of 7 or more having sushi with wheat on diego, and beer.... Yeah i out, but I want to things" wish I could drink some f*** graduate" "In the past 3 to 4 months beer" there wasn't a moment when "I don't mind eating only chicken if it means I can read a book" I got sick, I was pretty much sick the whole time, just "I can't really trust them anyway, they don't know everything different degrees" that is on the food inside out and the chefs are busy" My diet right now is so restricted that it's pretty much a guaranteed I can't eat somewhere.

It's better to avoid food that make me sick than to eat them and be unable to concentrate

I'll occasionally have some foods I'm not supposed to because I can't control myself all the time

I shouldn't go out with friends if I can't eat anything

His intolerance will eventually fade away

used bathroom in the kept eye contact during the interview middle of the interview

Didn't let me buy him coffee because it would probably "react" to the ritalin he had just taken

Stopped the interview to play Pokemon

took a sandwich out of his backpack and showed it

optimistic that his restrictions **longing** for something with aren't permanent flavor **frustrated** with how his **isolated** from his friends food affects his health resigned **bored** with his diet to his alone situation **overwhelmed** by how much he should know but doesn't powerless and sometimes can't

DO



Jason



Milk Allergy – he's not lactose intolerant

26 years old

Married

Works as a pipefitter

From Fremont

High School Graduate

'The symptoms to the allergy start showing up within a "It's easier to remember few minutes but may sometimes take longer" want I can eat, than to "I have limited options when remember what I "You don't see a lot of adults shouldn't eat." I go out. I have to tell the like me who are allergic to waiter multiple times, not to milk" add butter or any dairy products to my food "It sucks not being able to drink milk, eat cheese or cakes" "I feel bad, for making them go the extra mile to make something "People think it is the same thing as lactose intolerant" specifically for me" "Even though I can't eat whatever I want, at least I am healthy" "I have to make do with alternatives"

THINK

My wife always has to cook separate dishes for both of us or cook something she might not like

My diet is so limited, that I feel frustrated eating a limited variety of items

I just wonder how much easier my life would have been, had I not had an allergy

laughed when asked about the things he couldn't eat felt embarrassed with his situation

was sitting at the kitchen during the interview and sarcastically showed the cheese at his fridge

wasn't excited about his limited food choices

was excited to talk about his cure options

laughed whenever I said pizza wanted to eat pizza or cheese like everyone else

just wanted a glass of milk

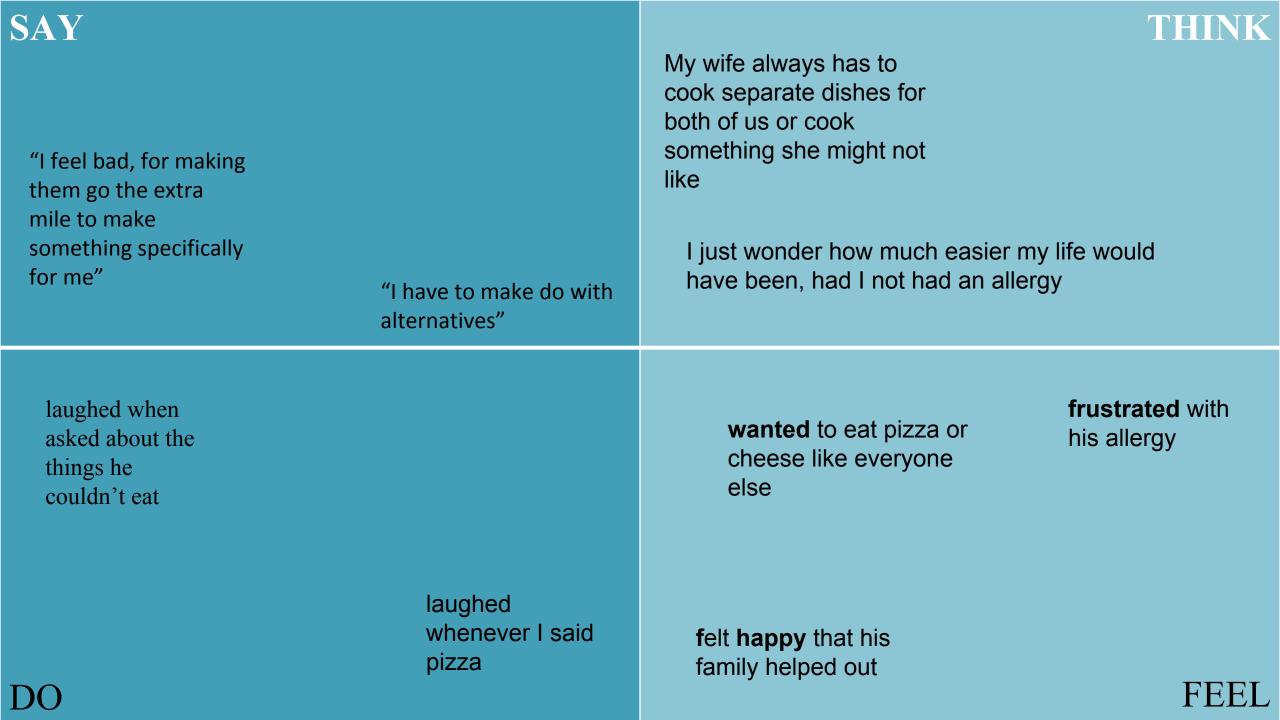
felt happy that his family helped out

frustrated with his allergy

affected his day to day life

glad that he was seeing some improvements

FEEL



REVISING OUR POV

WE MET Paulette WE WERE AMAZED TO REALIZE how self-conscious she is about eating with other people because she feels like a burden IT WOULD BE GAME-CHANGING IF her diet could benefit the people she eats with	WE MET Paulette WE WERE AMAZED TO REALIZE how much she likes having structure in her life IT WOULD BE GAME-CHANGING IF she could use her diet as another source of structure
WE MET Paulette WE WERE AMAZED TO REALIZE the strain that she feels her diet puts on those around her IT WOULD BE GAME-CHANGING IF she could use her diet as a way to strengthen her current relationships and build new ones	We met Jason We were amazed to realize he felt miserable most of the time It would be game changing if we could cheer him up or keep him distracted
WE MET Dylan and Jason WE WERE AMAZED TO REALIZE that they can't stay away for home long because they needs to be able to get a safe meal IT WOULD BE GAME-CHANGING IF he could identify and obtain safe snacks and meals to get him through the day	WE MET Paulette WE WERE AMAZED TO REALIZE how hard it is to be gluten free in a work place IT WOULD BE GAME-CHANGING IF her restrictions could be used as a way to "spice up" work place meals
We met Jason We were amazed to realize he can't eat cakes It would be game changing if we could suggest to him a recipe that doesn't need milk	We met Jason We were amazed to realize his diet restricts his ability to do his job It would be game changing if we could find a workaround, such as working overtime when he falls ill
WE MET Paulette WE WERE AMAZED TO REALIZE how much she dreads the invitation "lets get lunch" IT WOULD BE GAME-CHANGING IF going out became an adventure to look forward too	WE MET Paulette WE WERE AMAZED TO REALIZE how excited she got about chocolate cake IT WOULD BE GAME-CHANGING IF she could have her cake and eat it too
WE MET Paulette WE WERE AMAZED TO REALIZE how often people try to cook for her but forget she is gluten free IT WOULD BE GAME-CHANGING IF there was a non-obvious way to indicate/remind about her restriction	We met Jason We were amazed to realize he claimed to be allergic to a lot of foods, some of which might not be allergic It would be game changing if we could easily find out which foods do not cause an allergic reaction
WE MET Dylan WE WERE AMAZED TO REALIZE that he never eats out IT WOULD BE GAME-CHANGING IF socializing for his friends didn't mean going to a restaurant	WE MET Dylan WE WERE AMAZED TO REALIZE how he views his diet as an obstacle to his social life IT WOULD BE GAME-CHANGING IF his diet could become a way for him to make friends and socialize
We met Jason We were amazed to realize that he eats home cooked food all the time It would be game changing if he could shortlist a couple of places that are safe for him to eat	WE MET Dylan and Paulette WE WERE AMAZED TO REALIZE how their symptoms materialized in college IT WOULD BE GAME-CHANGING IF they could use their experiences to teach others about self-care
WE MET Paulette WE WERE AMAZED TO REALIZE how scared she is to eat something that is probably safe but not pre-approved by her doctor IT WOULD BE GAME-CHANGING IF she could expand her diet without fear	WE MET Dylan WE WERE AMAZED TO REALIZE how he views his diet as an obstacle to his social life IT WOULD BE GAME-CHANGING IF his diet could become a way for him to make friends and socialize
WE MET Paulette WE WERE AMAZED TO REALIZE how unmotivated she can be to learn more about what she can and can't eat IT WOULD BE GAME-CHANGING IF learning about her diet could be made into an activity or hobby	We met Jason We were amazed to realize that his wife cooks a different meal for him and another for herself It would be game changing if we could suggest different varieties of food that she would like but does not cause his allergy to flare up WE MET Dylan
WE MET Jessica WE WERE AMAZED TO REALIZE she hates eating out because of the difficulties of finding a place her daughter can eat IT WOULD BE GAME-CHANGING IF she didn't have to spend so much with the issue	WE WERE AMAZED TO REALIZE how hard it is to travel with his diet IT WOULD BE GAME-CHANGING IF his limitation could be used to add adventure to his travels WE MET Dylan and Jason
WE MET Paulette WE WERE AMAZED TO REALIZE how hard it can be to identify if something is REALLY gluten free IT WOULD BE GAME-CHANGING IF she could just know w/ certainty what is and isn't okay for her to eat	WE WERE AMAZED TO REALIZE how hard it is to travel because of their eating restrictions IT WOULD BE GAME-CHANGING IF they could have a list of safe places to eat wherever they went WE MET Ellie WE WERE AMAZED TO REALIZE how much tension is caused due to her and her husband's different diets IT WOULD BE GAME-CHANGING IF eating could be used as a way to bring people together/strengthen relationships
WE MET Paulette WE WERE AMAZED TO REALIZE how her roommate is willing to cook for her despite their different diets IT WOULD BE GAME-CHANGING IF she could find a network of these same type of people	WE MET Dylan WE WERE AMAZED TO REALIZE that he doesn't know anyone else with his type of restrictions IT WOULD BE GAME-CHANGING IF this diet could bring people with the same or similar conditions together
We met Jason We were amazed to realize that his wife cooks a different meal for him and another for herself It would be game changing if we could suggest different varieties of food that she would like but does not cause his allergy to flare up	WE MET Jessica WE WERE AMAZED TO REALIZE how much she despises cooking IT WOULD BE GAME-CHANGING IF cooking could be used a way to spend time with the people she loves(is doing the cooking for)

POV #1

Redefining Social Eating

We met Dylan

and were AMAZED to learn that he had an intense aversion to, and even feared, eating out or being invited to eat out

The GAME-CHANGER

What if we could redefine the traditional practice of socializing over a meal to be something enjoyable experience for both restricted and non-restricted eaters...

POV #2

Sharing is Caring

We met Jason

and were AMAZED to learn For EVERY meal, his wife will cook one thing for herself and another thing for Jason

The GAME-CHANGER

What if there was a way for people with different diets to share AND ENJOY the same meal ...

POV #3

Less Thinking, More Eating, No Worries

We met Paulette

and were AMAZED to learn That she will settle for eating the same bland, boring food because there is too much effort and risk involved with expanding her diet

The GAME-CHANGER

What if people could just know the nutritional and chemical consequences of any food they were considering to eat...

HOW/MIGHT WE...?

Redefine Social Eating

- 1) Give people more optionality when they go out to eat
- 2) Make eating out an adventure
 - 3) Use people's restrictions as a way to build relationships
 - 4) Make eating an organized activity
 - 5) Make the experience about cooking rather than eating
- 6) Use eating restrictions as a way to find people like oneself
- 7) Incorporate the travel to and from the restaurant into the eating experience
 - 8) Change eating out from a passive to an active activity
- 9) Separate socializing and eating as mutually exclusive activities 10) Make eating in more enticing
- 10) Make eating in more enticing than eating out

Shared Meal

- 1) Recommend ingredient safe alternatives but retain the intended flavors
- 2) Share the experience of meal planning rather than that of eating
- 3) Create meals that are safe but also customizable
- 4) Find other people to share meals with
 - 5) Use meal sharing as a way to teach others about your diet
 - 6) Make preparing a shareable meal simple and easy
 - 7) Incentivize people to compromise on a meal
 - 8) Reward creativity in the kitchen that leads to compatible recipes
 - 9) Punish meal segregation 10) Turn exploring others diets a hobby

How to Know

- 1) Make being accountable for knowing the facts meaningful
- 2) Provide on-the-spot food facts
 - 3) Eliminate the need to know facts
- 4) Incentivize learning about one's diet
 - 5) Reward awareness and "punish" ignorance
 - 6) Make diet maintenance about having "knowledge" and not "knowing" facts
 - 7) Make a game out of learning about one's diet
 - 8) Make learning about one's diet a shared experience
 - 9) Create a better way to remind people about the consequences of not knowing the facts
 - 10) Make it easier to read and understand nutrition labels/food speak

adventure?

Make eating Make sharing out an effortless?

Make knowledge and accountability meaningful?

HOWMIGHT WE...SOLVE THESE?

Solutions and Prototype

Make Eating Out an Adventure?

- 1) Tasting tour of restriction friendly restaurants
 2) Game-ified food-hunt
 3) Potluck style cooking circle of people with like restrictions
 4) Blind eating w/in limits of one's restrictions
 - 5) Eat at friend's houses rather than restaurants 6) Order delivery from different places in groups and then do a

places in groups and then do a food exchange

- 7) Swap favorited restaurants lists of people w/like diets
 - 8) Make getting to the restaurant the adventure
- 9) Have a restaurant subscription for diet friendly restaurants 10) Provide a restaurant of the week w/ order recommendations and rewards for eating there

Make Sharing Easy?

1) "Uber" chefs
2) Yelp-like restaurant
recommender trusted forum for
the diet restricted
3) Food thesaurus

4) Cooking rotation w/ a variety of like dieters

5) On-demand nutritionist/food consultant

6) Recipe/meal recommender system

7) Group meal delivery 8) Provide a "meal of the day" for each type of restricted diet

9) Diet sharing – those who do have appropriate recipes share their ideas of verified meals w/ those who don't

10) Mentor-mentee buddy system where the people can take and give advice

<u>Meaningful Accountability</u> <u>and Knowledge?</u>

1) Find peers to set and achieve diet needs and goals

2) Recipe swap and advice forum

3) Make the act of meal planning of hobby/club activity

4) Provide a household meal planning platform

planning platform
5) Turn the planning experience
into a game w/ a points system

6) Rewards system which gives points to joint effort/shared outcome meals

7) Binding contracts to help plan and stay w/in diet

8) Platform to publicize plans via blog, vlog, or individual posts 9) Host/attend instructional

cooking series

10) Provide diet specific tip and fact of the day

Tasting tour of restriction friendly restaurants

On-demand chefs

Find peers to set and achieve diet needs and goals

THE PROTOTYPES



Assumptions

 Sampling different dishes from different restaurants is a satisfactory or better **substitute** for the traditional eating out experience

2) Primary target is the diet restricted **tourist**

 Users will have confidence that the selected dishes and restaurants are safe

Construction











Welcome to the Bay Area Tasting Tour, where there is always something for someone!

I will be your guide for today, taking you around the amazing streets of San Jose!



Do you have any dietary restrictions?

So, do you eat meat?



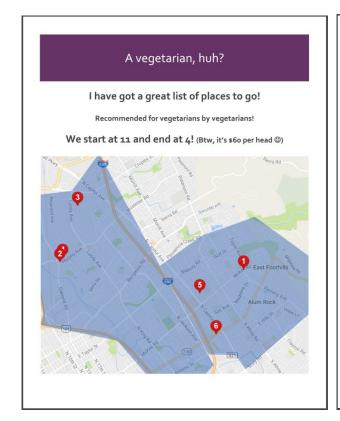
Or, do you eat only fruits and veggies?



Or, do you eat only gluten free?



Construction



The Places!

1) The Italian Mini Quiche

@ Bertuchelli's La Villa

Bertuchelli's has been serving gourmet Italian food since 1980s, pleasing even the most enthusiastic foodies!



2) Paneer Tikka Masala

@ Swaad Indian Cuisine

Bringing you the authentic flavors of India, is a family owned restaurant serving the spiciest food in the land!



3) Vegetarian Tacos

@ La Costa

A must visit for everyone who loves Tacos! Enough said!



The Places!

4) Mock Chicken Noodles

@ Mandarin House

Just for those of you who want to taste chicken but don't want to eat it!



5) Raspberry Macrons

@ Le Papillion

From the cottages of France, the sweet and tantalizing macrons, brought to you by Le Papillion!



6) Pasteis de Nata

@ Portuguese Bakery

We finish it off in style with another dessert! This time coming to you all the way from Portugal!





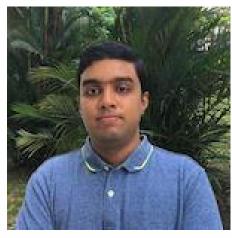


Testing



User: Thomas

Restriction: VEGETARIAN



Tour Guide: Senthil



Results

Things that worked:

Culture Aspect

Variety of Stops

Things that didn't:

Limited Choice

Price

Food Quantity and Consistency

Take-aways

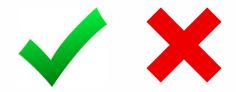
Customization

Verification

Diversification



Validity Substitutability:



Target User:

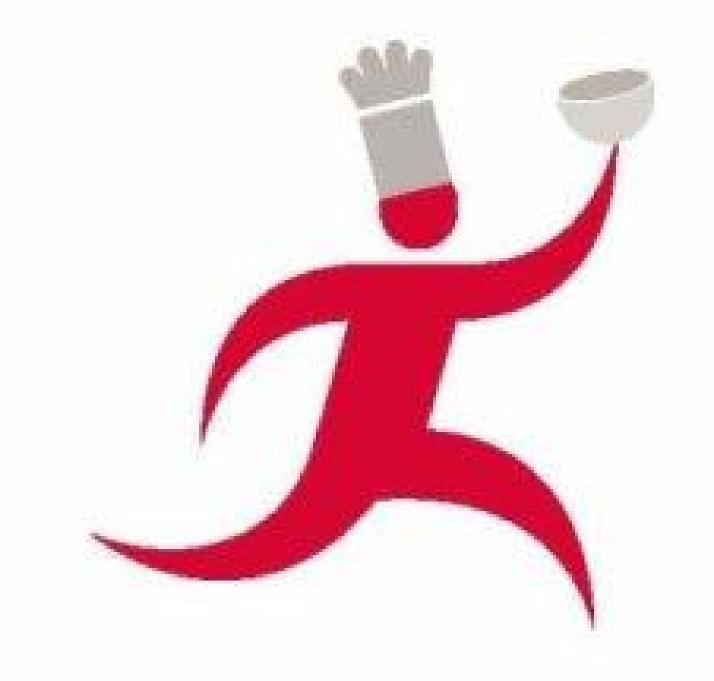


Trust:





On-demand Chefs

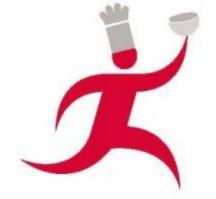


Assumptions

 The ordering a chef to cook for you removes the burden associated the thinking, planning, and effort of the meal prep process

2) The convenience of having someone else cook for you will make people okay with allowing a stranger into their kitchen

3) People would use an on-call chef for day-to-day meals



Construction



Name: Angela Capanga

\$17-24 per person.

\$10-15

perperson

\$30-50

\$20-30

Type: Gluten-Sensitivity Specialist

Description: Self-taught Chef Capanga has a passion for food and staying true to her gluten-free lifestyle. 10 years ago while studying to be a dietician, Capanna was diagnosed with Celiac's disease and ever since she has been crafting glutenfree adaptations of her favorite recipes. Her food is so good you would never know it's 100% gluten free.

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Name: David Lebovitz

Type: Allergy Specialist

Description: Father of a child with a life-threatening allergy, Chef David has spent the majority of his cooking career developing tasty recipes that 100% allergy friendly. Trained at Le Cordon Bleu and inspired by French and Spanish influences, his dishes are sure to amaze.

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Name: Jack Kennedy and Diane Strauss

Type: Dairy and Tree-Nut Allergy Specialist

Description: Born with severe food allergies themselves, Chefs lack and Diane have turned their food restrictions into a culinary passion. They will delight and inspire you with an allergy that will appeal to everyone at the table.



Name: David Williams

Type: Heart-Health and Diabetes Specialist

Description: Born in Louisiana but diagnosed with diabetes since childhood, Chef Williams has spent his life developing an out-of-this world recipe book that supports his dietary needs. He says its his use of secret ingredients that give his food its unique flavor, but you don't have to worry because everything he makes has been clinically verified to help keep your heart, sugar, and insulin in check

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Name: Chef John Jones

\$17-24

Type: Vegetarian specialist, Italian

Description: Chef John Jones has been in the restaurant business for 20 years. He was one of the head chefs at Tender Greens. Jones has been a family chef for 4 years now. He has a variety of vegetarian dishes and is very experience in the realm of italian food.

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Name: Chef Juan Martinez

\$10-14

Type: Vegetarian specialist, Mexican Food

Description: Chef Martinez grew up in Mexico and has been cooking since he was a young boy. For the first part of his life he owned his own mexican restaurant. His dishes are known for subsituting tofu for meats while still maintaining that authentic mexican taste.



Name: Chef Smith

\$40-100 per batch

Type: Vegetarian specialist, Baker

Description: Smith is famous for his cakes. He usually is hired for birthday parties. Anything from cupcakes to breakfast scones. Smith has done it all.



Name: Chef Martini

\$30-70

Type: Vegetarian specialist, Romantic

Description: Chef Martini is known for his ability to set up a romantic evening. If you are looking for a truly special dinner, he is the person you



Name: Chef Chase

\$20-30

Type: Vegetarian specialist, Seafood

Description: Chef Chase can bring your dinner to the coast of France or the shores of Hawaii. He has a special talent for making seafood an unforgettable meal. He has worked in seafood kitchens for the last 15

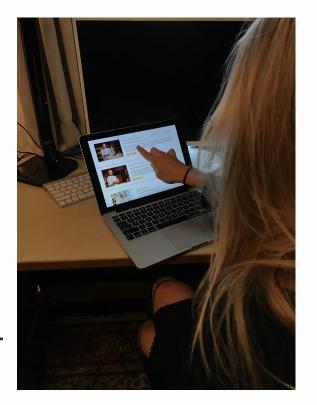


Testing



User: Kelsey

Restriction: VEGETARIAN







Testing





User: Jo

Restriction: mother of 2

HYPER-ALLERGIC children



Results

Things that worked: Presentation

User Chef Interaction Star Ratings

Things that didn't: Lacked Information Optionality and Searchability Privacy

Take-aways Price and Rating Sensitivity Framing Matters Target Üser Matters Verification



Validity

Less Burdensome:



Privacy:



Type of Use:







Assumptions

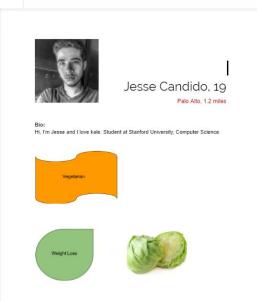
1) Restricted eaters want to find others like them to help them stay motivated and set goals for their diet

2) Setting and achieving goals and diets is easier and more fun with a group

3) Restricted eaters want a better way to set and achieve their diet needs and/or goals

Construction







Join a group



Juice Cleanse 🖶 Juin



For ultimate weight loss, no solids at all. You're gonna be drinking vegetable juices, shakes and a ton of water.











Cookie Freaks + Join

We're crazy about cookies. Lose 5% of



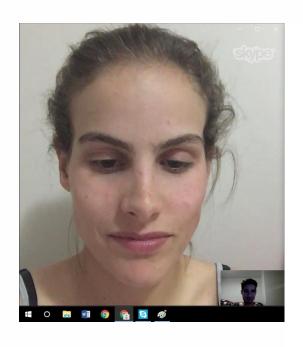








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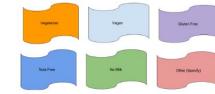




Jessica Formanquevski, 24

Write Your Bio: Hi , my name is Jessica. Iam a firefighter.

Pick Your Dietary Restrictions:

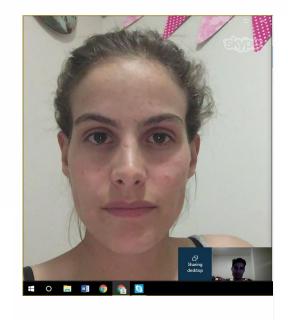


Pick Your Goals:















Weekly Goals

☐ Lose 10 pounds in 2 weeks

☐ Eat 2 bananas and 3 apples in a day

☐ Eat at least 30g of protein per meal ☐ Take your daily vitamins

☐ Prepare 1 vegetable juice per day

18 hours left

Day One: Eat all of the fruit you want (except bananas). Eat only your soup and the fruit for the first day. For drinks- unsweetened teas, cranberry juice and water.

Day Two: Eat until you are stuffed will all fresh, raw or cooked vegetables of your choice. Try to eat leafy green vegetables and stay away from dry beans, peas and corn. Eat all the vegetables you want along with your soup. At dinner, reward yourself with a big baked potato with butter. Do not eat fruit today.

Day Four: Bananas and Skim Milk: Eat as many as eight bananas and drink as many glasses of skim milk as you would like on this day, atong with your soup. This day is supposed to lessen your desire for sweets.

User: Jessica

Restriction: VEGETARIAN, MILK

ALLERGY



Results

Things that worked: Easy and Intuitive

Communication Goals Setting

Things that didn't: Time Commitment

Diet Selection

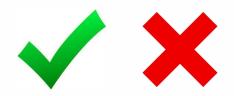
Take-aways Between User Interaction

More Guidance

Frequency and Type of

Use

Validity Meet and Diet w/ Peers:



Fun and Easy:



Importance of Goal Setting:





Take-aways and New Assumptions

- 1) People really care about interacting with people who have shared restrictions and experiences
- People don't like constraints TRUST
- Our focus still was not narrow enough

Thank You

Index



Madison



Vegetarian

Professional volleyball player in Sweden

Stanford Graduate

23

From Los Angeles, California

"It is sometimes hard to get enough calories at team meals because they eat a lot of meat before and after workouts"

"It can also be socially awkward to tell waiters and such that I cannot eat their food because of the language barrier."

"I usually resort to pasta and salads"

As a professional athlete, it can be sometimes hard to get enough protein after my workouts"

He feels frustrated by not being able to eat efficiently enough while in Sweden.

He is thinking that his diet may

social life in Sweden.

have effects on his career and his

He is scared that his diet could have a major impact on his career because it is so heavily based on health and performance.

He is tired of the

it comes to team

meals

inconvenience when

His home and Stanford catered well to his diet needs, but now he does not have as much of a support system for his diet.

He sometimes just

resorts to the same

foods that he is tired

of in order to fill his

eating requirements.

Raised his voice in frustration when talking about team meals.

Didn't seem to have a confident answer to questions that asked how he plans to make his diet live up to his professional career.

Acted nostalgic and reminiscent when talking about his mom's cooking at home