



# PROJECT 2: FOOD FICTION STIMULATE AND IMPROVE CURIOSITY

Dominic Seriani & L Bryn Priestley  
DEPD 2430 – Sociocultural Issues in Design – March 12, 2020

01

MIND  
MAPPING

03

MOOD BOARDS

05

RESEARCH

07

ESSAY

09

STORYBOARD

02

INSPIRATION

04

ITERATIONS

06

STORY  
ARC

08

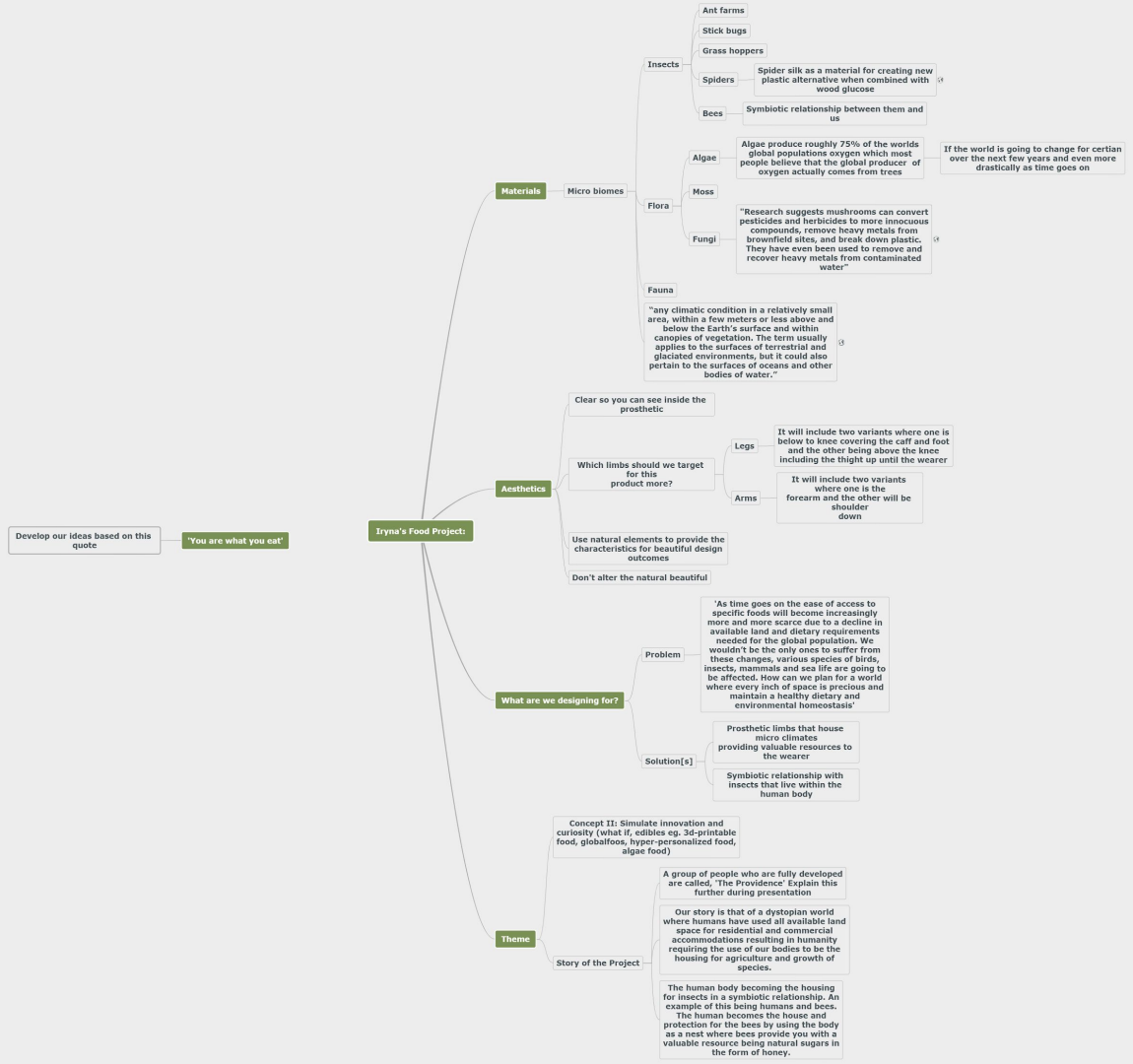
CONCEPT  
EXPLANATION

10

CONCLUSION



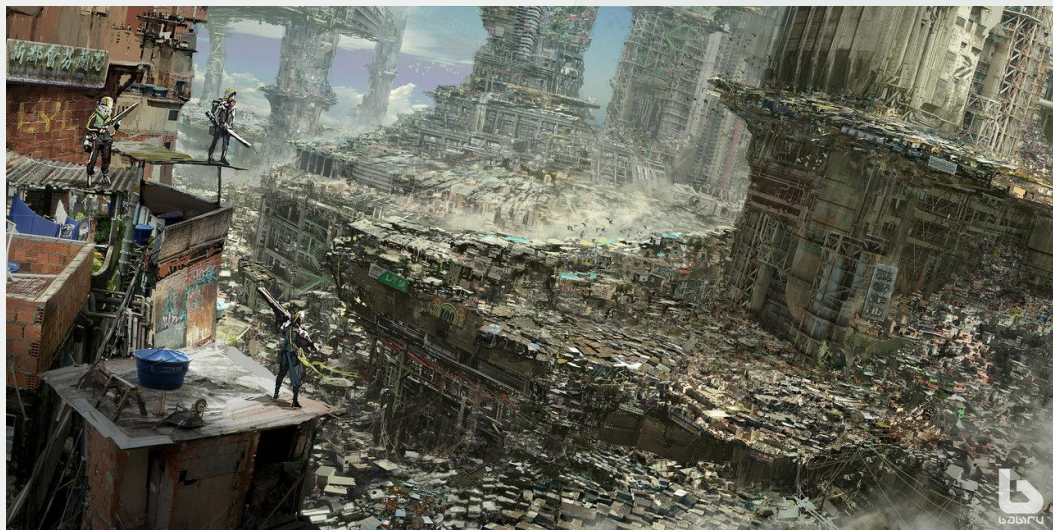
# MIND MAPPING



# INSPIRATION

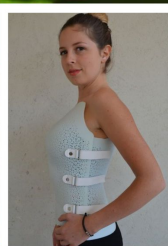
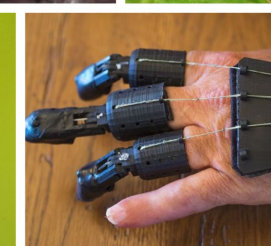
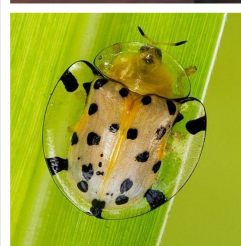
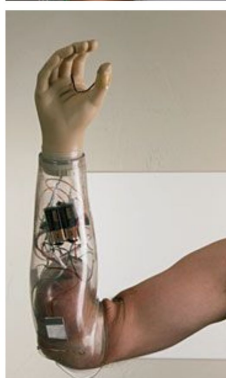
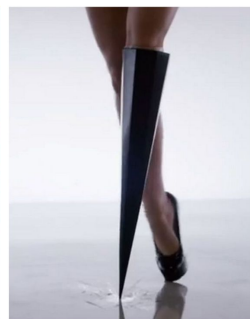
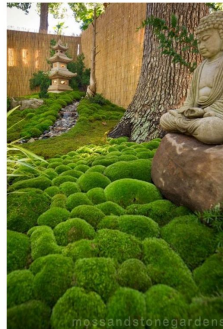
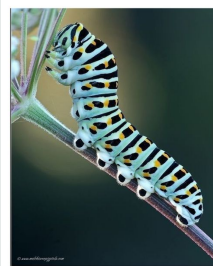






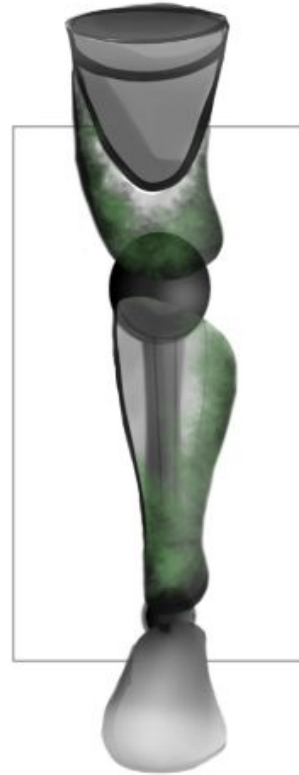
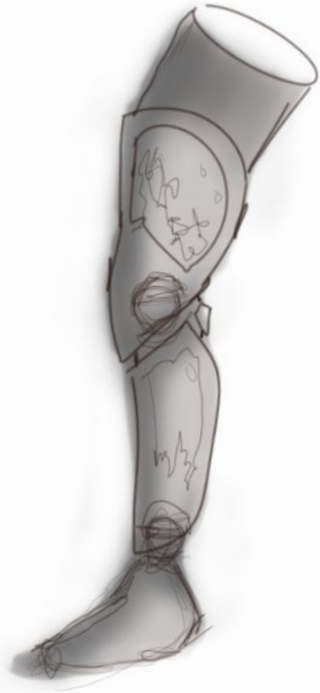


# MOOD BOARDS



# ITERATIONS

Here are some of the iterations for the concept of the Prosthetic limb housing the biomes inside them and how they work



***YOU ARE WHAT YOU EAT***

# RESEARCH

Microclimate definition:

<https://www.britannica.com/science/microclimate>

*“any climatic condition in a relatively small area, within a few metres or less above and below the Earth’s surface and within canopies of vegetation. The term usually applies to the surfaces of terrestrial and glaciated environments, but it could also pertain to the surfaces of oceans and other bodies of water.”*

Alternative to Plastic: <https://www.popularmechanics.com/technology/design/a29074396/spider-silk-plastic/>

Utilizing spider silk as an alternative to plastic provides a more environmentally sustainable alternative. A spider can produce anywhere from 50-80 metres per harvest which can occur once per day. The spider then would be allowed to rest and then the process can begin a new the next day.

Combining the spider silk with wood glucose creates a biodegradable alternative to conventional plastics.





# ABOUT THE PROJECT

This project is quite an interesting thing to explain and more so to understand why we have come to a point like this, below are the reasons as to why and how we as a society had a need for this outcome



“We gained control of  
many things. But we  
had to let go of others”

—LOIS LOWRY, THE GIVER

# STORY ARC

The year is 2050, and life on earth has taken a turn for the worst. The earth is now run-down, overcrowded, polluted, and hopeless. The surrounding environment has become so hostile that it doesn't encourage any kind of growth, the world is a myriad of torrential acid-rain, aggressive wind and dust storms, oceans are solely composed of plastic, fish are extinct, there is little to no freshwater left on the planet, water is heavily recycled and loses all of its original vitamins and minerals in the recycling process. The residents of earth forget what a blue sky looks like because they only ever see a gray sky due to the massive amounts of pollution, air quality is at an all-time low. All the smog greatly limits the amount of sunlight entering the earth's atmosphere, so there is a lack of sunlight at ground level. Resources are the lowest they have ever been in human history and continue to dwindle because they were used up by the generations that came before.

The world is starved, there are too many mouths to feed, however, there isn't any hospitable land to grow food on, it is either occupied or too polluted to facilitate plant growth. People have come along with various inventions like meal-in-a-pill, 3D printed food, harvesting insects for protein which have helped in some way or another. Humans are taking refuge from the harsh environment in shady structures that are a mash-up of materials, with the possibility of crumbling at any moment. Earth's inhabitants are mentally and physically beaten down, the environment fosters a depressed mentality of "why bother?". They are losing their fight because they are not as physically strong as they used to be from the widespread malnutrition and increased susceptibility to sickness and disease.



# ESSAY



Being how there is no available land left to farm that isn't occupied by scavengers or extremely polluted. Our team has designed a product and service which meets at the intersection of technology and nature(food). Through our organization, Robotanicals, we are giving people a second chance at life, one where they can tailor their own bodies to suit their personal needs of growing food, purifying air, sanitizing water, among other things inside of their bodies.

Our team's concept is artificial limbs that house a variety of microbiomes. Our service has created a new society called the providence, these individuals are fully mechanized which gives them the ability to withstand the harsh environment. They are most often members of the upper-class as surgery and prosthetic limbs are expensive. Having more money affords ones access to higher quality biomes, that use quality, strong materials and tend to last longer. They also have access to the seeds which use more resources and yield more product. The lower class are mostly human, with usually being able to afford a limb or two. We have been offering trials to test out our new product lines. We offer patients who come to us in sickness the opportunity to be apart of our trials which gives them a chance at a new, functioning limb, however, there is a small chance that the body may reject the foreign limb Robotanicals has invented prosthetic limbs which house a variety of microbiomes, from food such as broccoli, strawberries, mushrooms, to insects, water and air filtration, to animal body parts like a chicken leg. The process begins with an individual who is missing a limb identifies their need for a sustainable growth of a particular food or the need to replace a damaged limb. They come to our store, choose their limb as well as the seeds that will grow into food in the limb.



# CONCEPT EXPLANATION

## STAGE 2

Fresh Bakery:

The space where the prosthetic limbs are manufactured, moulded or fit and undergo modifications as per the specific requests of the customer in order to better suit their lives and 'produce' selection

## STAGE 3

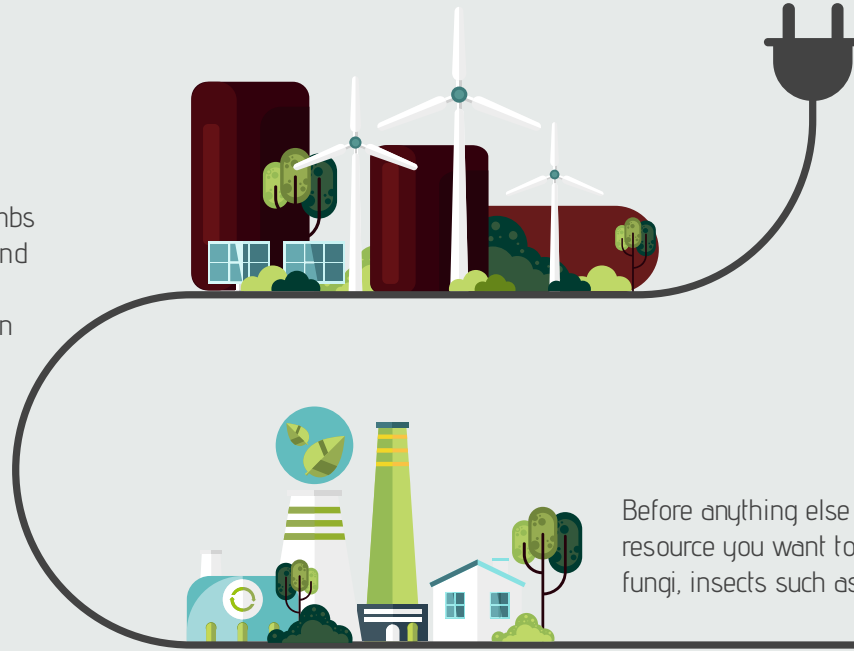
The Deli:

This is the Surgery room, The area in which the limbs are removed from the individual and replaced with the newly selected prosthetic version and is then attached and stocked with your agriculture

## STAGE I

Produce Section:

Before anything else you come here and select which resource you want to be growing from a line of seeds, fungi, insects such as bees to produce honey, etc



# CONCEPT EXPLANATION



STAGE 3



STAGE 2

STAGE 1

# CONCEPT EXPLANATION

Firstly, the concept is set in a possible, dystopian world. This design exists because there is no land left on earth for agriculture that is not extremely polluted or occupied by thousands of settlers. We created this product so that anyone could grow their own food to feed themselves.

Secondly, our concept is artificial limbs that house microbiomes. An individual first identifies that they need to grow their own food (water filtration, collects water from the moisture) to survive using various seeds stored around the world in seed banks that were established in case such an event would occur.

A new species of human emerge known as 'The Providence'. They are the devote, fully mechanized, considered to be the peak form; a transcendent being worthy of deific status amongst the rest of the population. These people have given everything to be a carrier for agriculture and are seen as spiritual deities amongst the people similar to shamans or a professor of faith in religion.

Another new species that came from this is known as 'The Consumed'. The carrier was negligent with their new prosthetics and allowed the growth to completely overtake themselves and in the process ending up in an almost vegetative state. This is more likely for the more unstable and harder to manage resources to control. This process may also occur for those who walk the path towards becoming 'The Providence' since their bodies are almost entirely machine at this point they are in a state of equilibrium with their agricultural limbs and life itself.



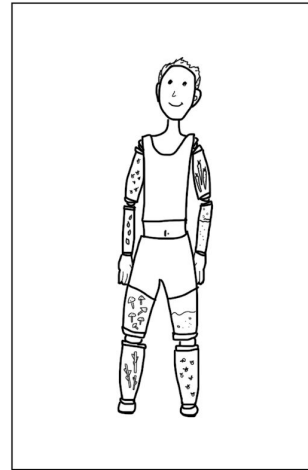
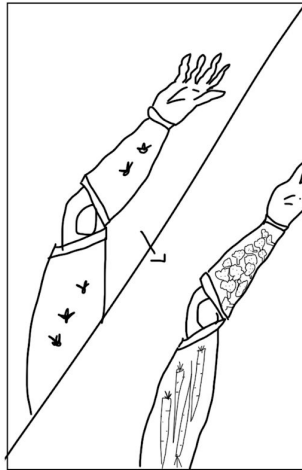
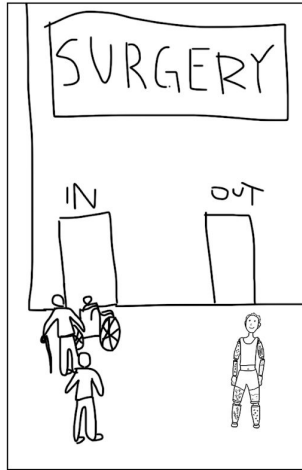
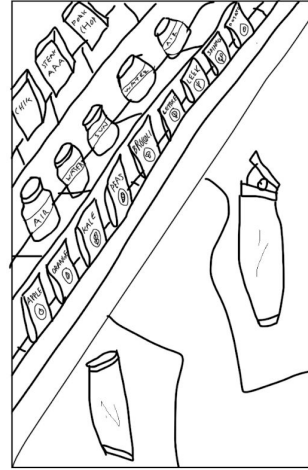
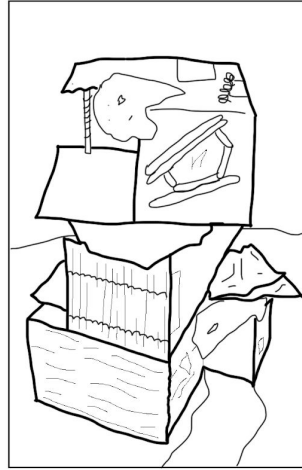
## CONCEPT EXPLANATION

The limbs are broken down into grade systems based on several factors such as the biomes being provided, the type of crop being produced and the amount said crop can yield at any given harvest. The grading system is based around the economic standing of the individual, people with more currency are able to have higher grade prosthetic and in turn produce more for themselves. The bulk of the people who are in the higher brackets are fully mechanized due to them being more well off financially than those below them creating a divide in the social status based on your technology and agricultural output. In these times as well, having a human body is a disadvantage because the environment is so harsh that you can't survive, but the process comes at a risk. If your body ever rejects the modifications you become a part of 'The Consumed'.

Different models mark a clear divide between people who have money and people who don't, nicer section, Some specific people may be funded by the providence if they are devote to their teachings. The store may be run by 1 or 2 clerks in the form of holographic personal shop assistants and a few of the 'Deli Workers'. Depending on your status or the amount of money you have available will determine the amount of anesthetic you receive during surgery. Regardless of status you are however given access to the rehabilitation room, and after care before being sent on your way. This service is a strange juxtaposition between nature and tech, they have so much metal from old cars, scavenger society, however the thing so bountiful decade prior has now become a luxury.



# STORYBOARD





**THE END**

# RESOURCES

- Dystopian Cityscape Concept Art. Retrieved March 1st 2020 from, <https://www.resetera.com/threads/non-game-art-concept-art-you-think-could-work-in-a-video-game.109452/>
- Dyson Vacuum Cleaner. Retrieved March 2nd 2020 from, <https://www.homedepot.com/p/Dyson-Slim-Ball-Multi-Floor-Upright-Vacuum-Cleaner-253425-01/304505063>
- Shino Aburame Insects. Retrieved March 2nd 2020 from, [https://naruto.fandom.com/wiki/Shino\\_Aburame?file=Destruction\\_Bug\\_Host\\_Technique.png](https://naruto.fandom.com/wiki/Shino_Aburame?file=Destruction_Bug_Host_Technique.png)
- Shino Aburame Insect Swarm. Retrieved March 2nd 2020 from, [https://www.google.com/url?sa=i&url=https%3A%2F%2Fnaruto.fandom.com%2Fwiki%2FShino\\_Aburame&psig=A0vVaw2GRTF-1ZleONq5m9480tID&ust=1584522874557000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCQjGruqVoegCFQAAAAAdAAAAABAD](https://www.google.com/url?sa=i&url=https%3A%2F%2Fnaruto.fandom.com%2Fwiki%2FShino_Aburame&psig=A0vVaw2GRTF-1ZleONq5m9480tID&ust=1584522874557000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCQjGruqVoegCFQAAAAAdAAAAABAD)
- Million Ant Man. Retrieved March 3rd 2020 from, <https://i.pinimg.com/originals/b7/9c/93/b79c93b1bdcdfa211b74b139635d360.jpg>