5 PRODUCTS AND SERVICES : PRODUCT DESIGN

ASSIGNMENT - 4

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WHAT IS PRODUCT DESIGN?

- THE PROCESS OF BLENDING USERS NEEDS WITH BUSINESS GOALS TO MAKE A SUCCESSFUL PRODUCT.

WHAT IS SERVICE DESIGN?

- THE PROCESS OF DESIGNING THE INFRASTRUCTURE,COMMUNICATION AND MATERIAL COMPONENT OF SERVICE.
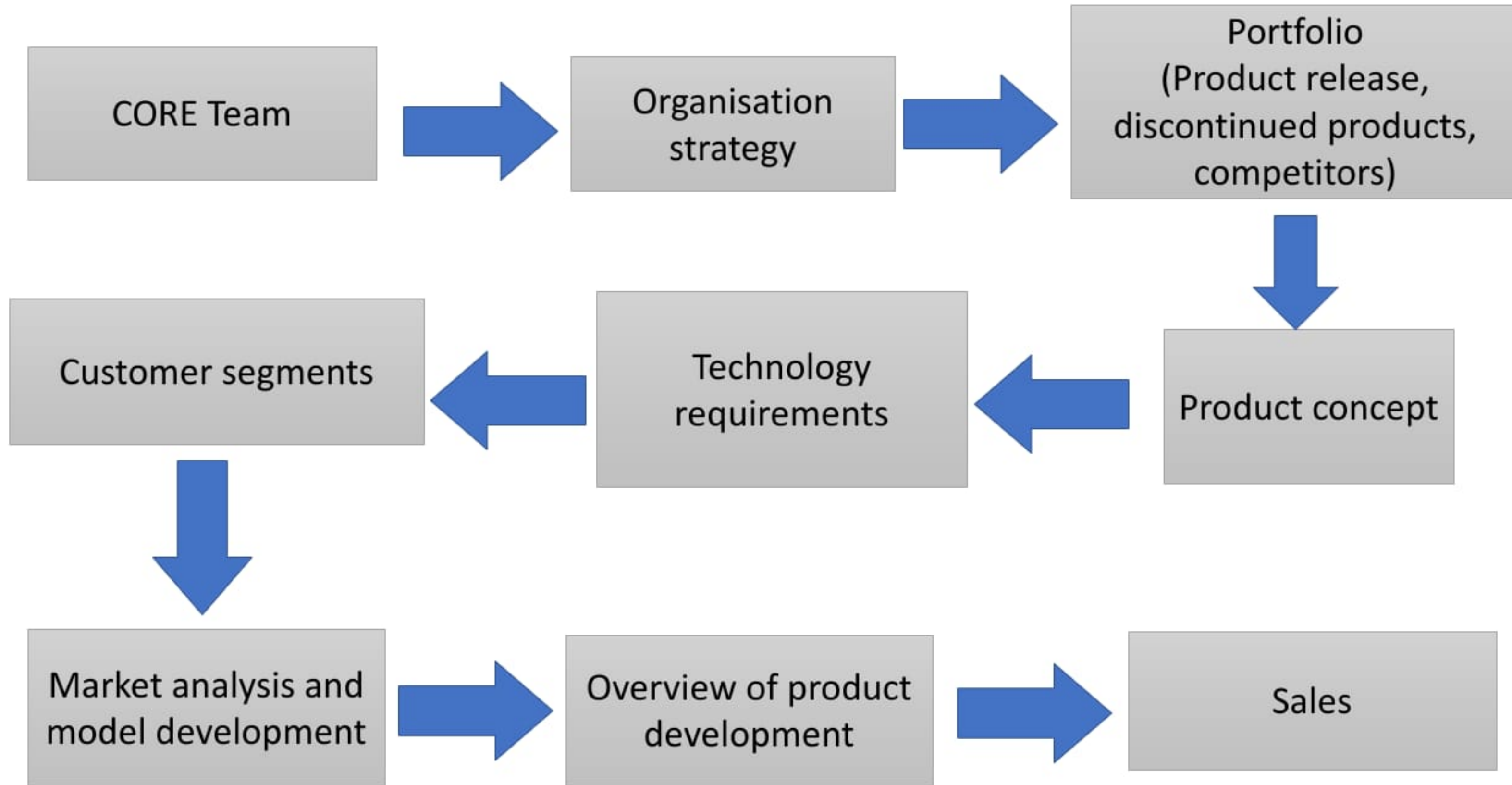
IN THIS ASSIGNMENT

01

researched on the product and service design process of 5 products and 5 service each.

02

Each product or service design process is drawn as a flow chart and explained thoroughly.

SCIENCE CLASS

LG TV

LG electronics has positioned itself as a dominant player in the market for premium consumer electronics.

*LGs initial focus on creating momentum in next-generation OLED Technology has now given way to the goal of expanding the market penetration.

*the main players in electronics industry showcase their newest products and technological advancements.

*they will collect the data on most recently discontinued LG's TV model series in order to estimate the average lifespan of the new product.

*Exhibit 2 highlights the highest specification TV model series released by 3 of the main competitors of LG.

*They will create a portfolio for the their upcoming product.

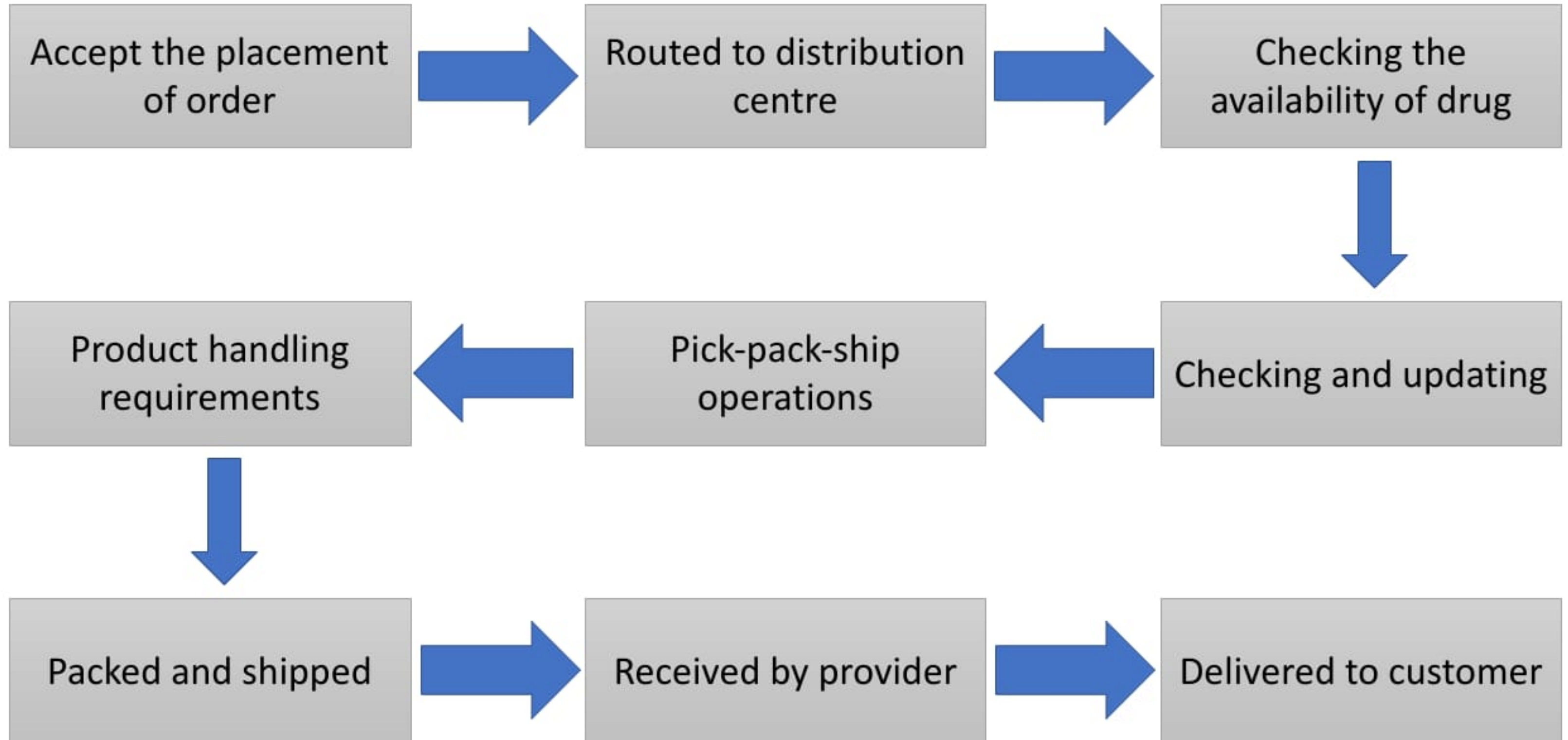*They will include some extra specification than the latest launched TV for attracting the customers.

*Next step is market analysis in which they will analyse their specification with their competitors newly launched TV's specification.

*They will develop model with the their specifications and test it out.

*After the overview plan of the product development they will establish the product via ads.

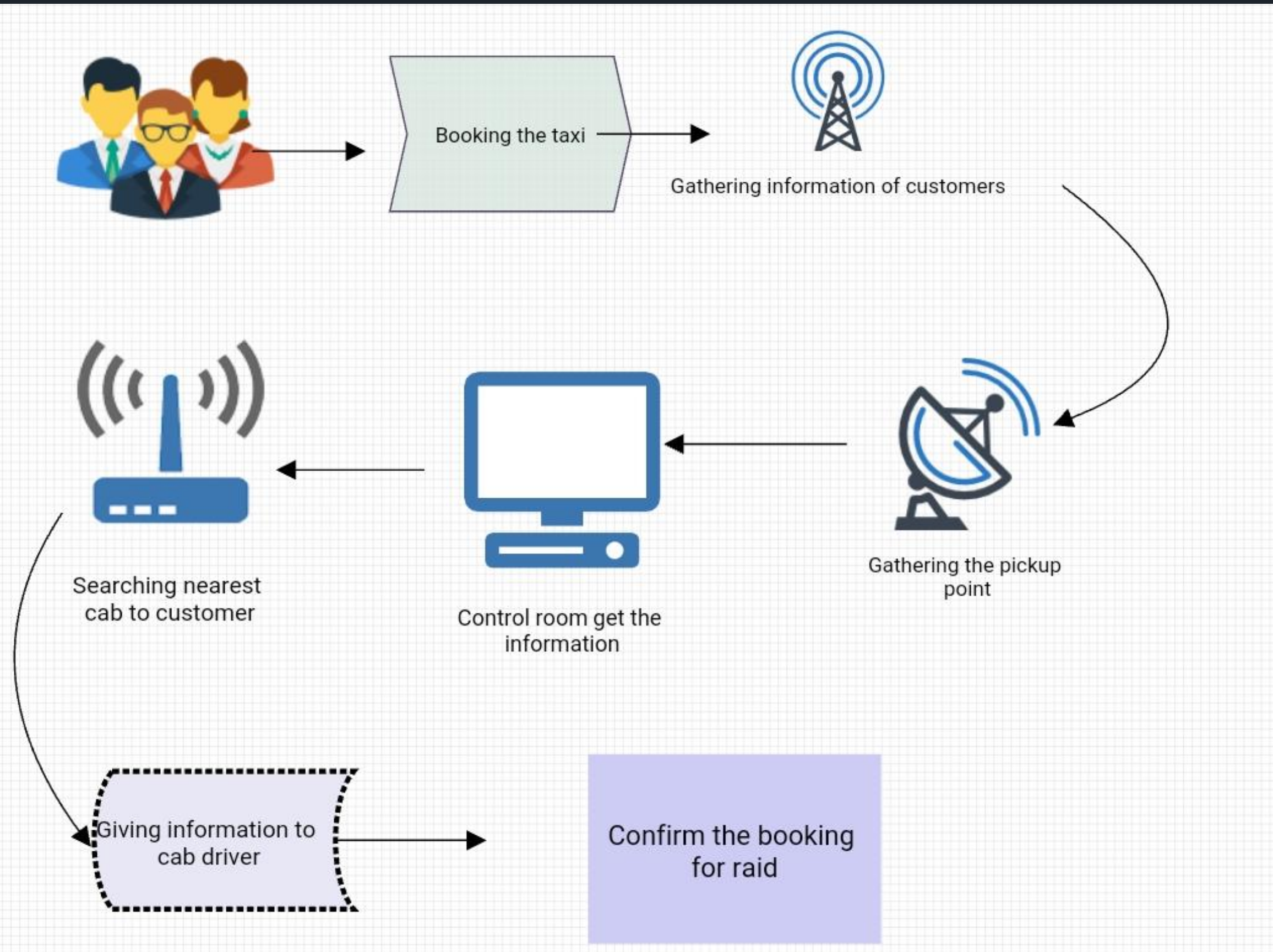After all these steps the products comes to the sales department.

MED-LIFE

MED-LIFE

*Customer places the order via online portal.

*The order details is sent to the provider and and the provider places an order with the distribution partner.

*Distributor receives the order which is rooted to the distribution partner.

*Sophisticated WMS system are used to enable the pick-pack-ship operations to run smoothly and efficiently.

*Orders are picked using different technology based on inventory velocity and product handling requirements.

*Order is packed and shipped via UPS,courier or a delivery truck, depending on the size of the order.

*Order is received at the provider, in some cases, as early as the day of placement.

*Provider is provided with the details of the customer and the venue of the customer.

*Once the provider reaches the the venue given by the customer he contacts them and informs the product is reached.

*Provider delivers the order and updates that in the system.

These are the steps that are followed to deliver the medicine for online placement of order through Med-Life
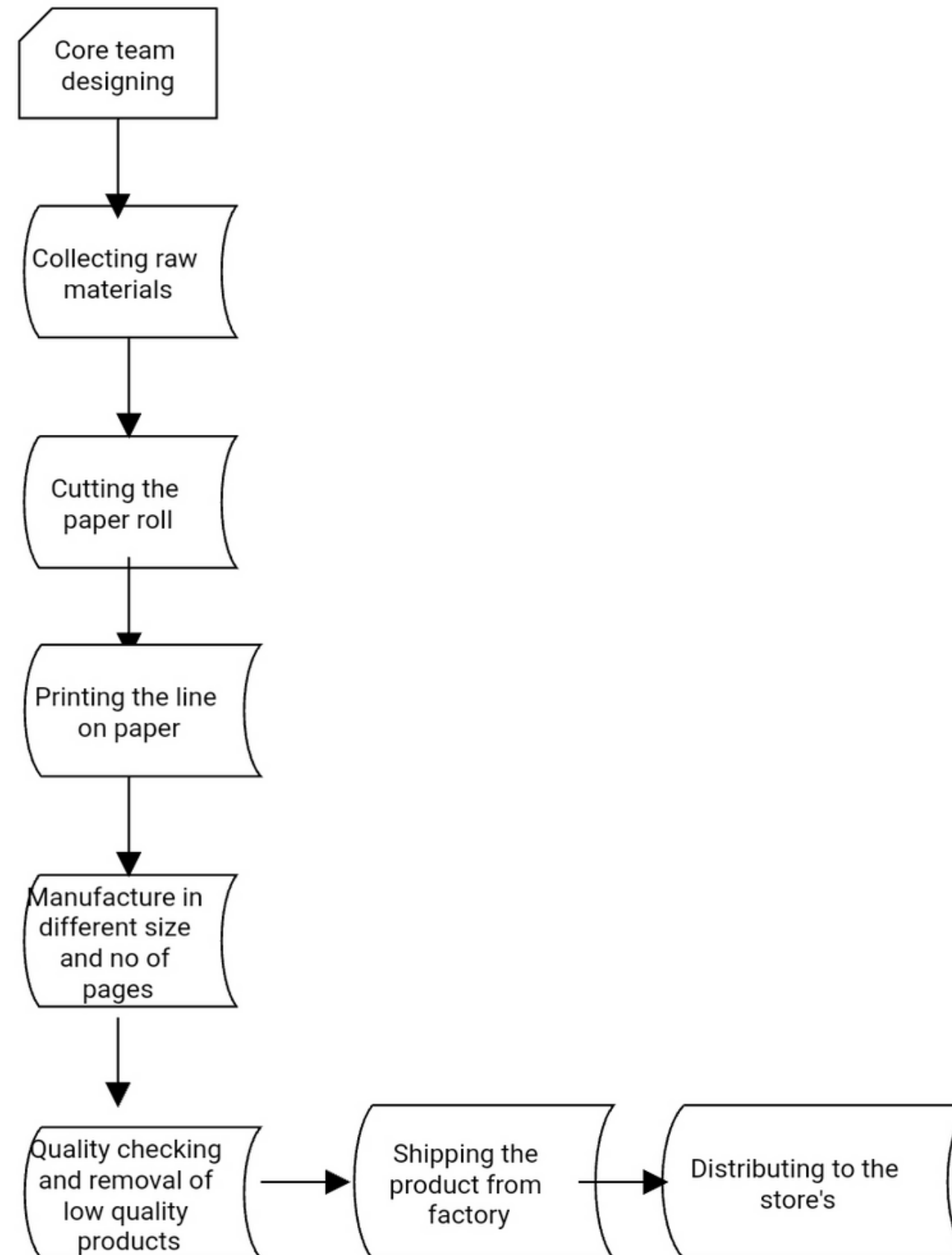
RED TAXI

RED TAXI

Red Taxi offers Tours, Taxi, Travels, Cabs, Car Rentals Hire Services & Local or Outstation Packages with affordable Price.

• Customers who are in need of cabs can download the red taxi app.

• They can search if the cabs are available for that location and conform their call.

• Their taxi driver checks with the automatically sent code with the passenger and makes sure he makes a safe trip for them.

• Otherwise customers can make direct call to the Red taxi number where they can inform their details to the operator there.

• This directs to the red txi server, and find whether there are taxi s available for them.

• Thus the cabs are booked in easy and safe ways.

• This makes bookings simple and can be accessed by anyone in this galaxy.

CLASSMATE NOTEBOOK

Core team designing
→
Collecting raw materials
→
Cutting the paper roll
→
Printing the line on paper
→
Manufacture in different size and no of pages
→
Quality checking and removal of low quality products
→
Shipping the product from factory
→
Distributing to the store's

CLASSMATE NOTEBOOK

Classmate notebooks consist of many variants including notebooks, books, practical books, drawing books and reminder pads, with a theme on the related information inside. ITC Classmate notebooks use ozone-treated, elemental chlorine free paper, paper and shelf life.

Products: Notebooks; Pens; Pencils; Math instruments; Erasers; Pencil sharpeners; Art ...

Industry: Consumer goods

Headquarters: Kolkata, India

Parent: ITC Limited
#Step One: Trees are cut down and ground into pulp.

Step Two: The pulp is cleaned, drained of water, and potentially colored with dye or bleach.

Step Three: The next step is beating the pulp, which involves squeezing and pounding until all the pulp adheres together.
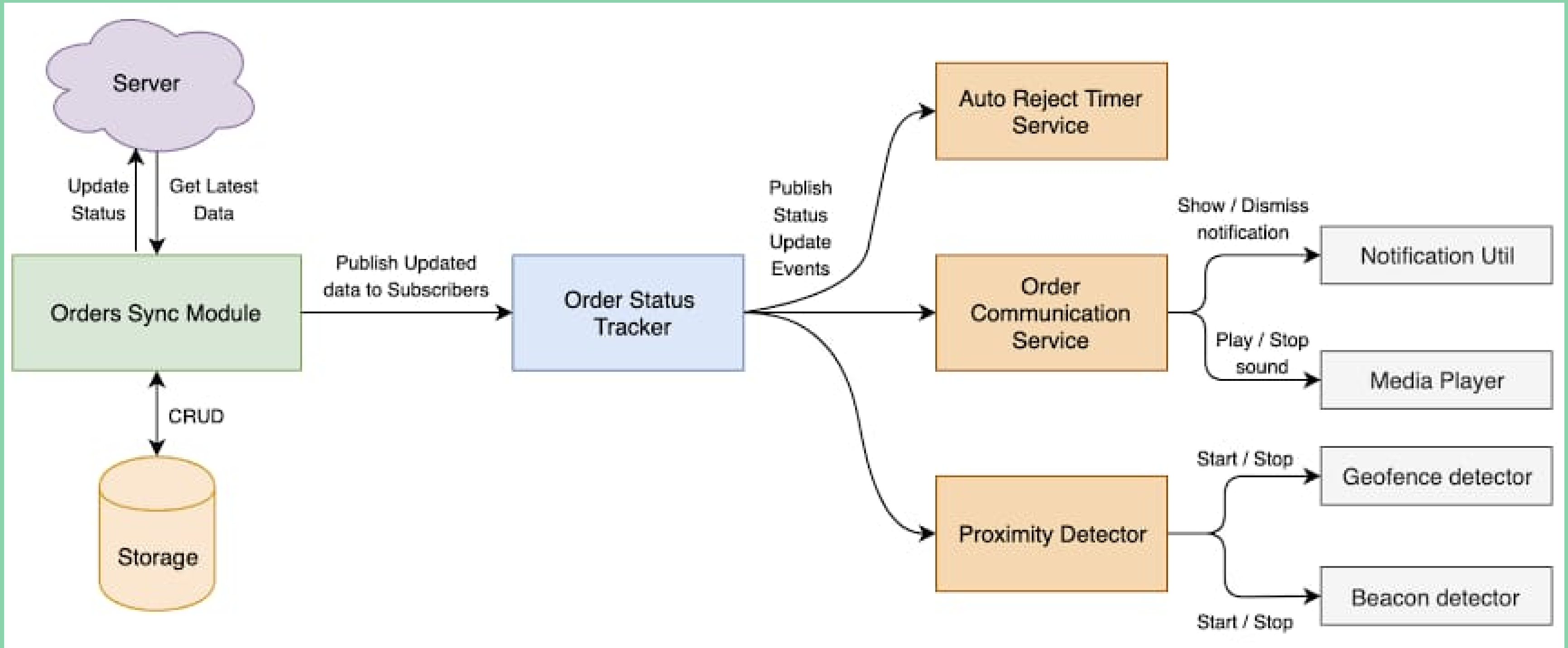
Step Four: The newly formed paper is put into giant rollers that smooth it down and compress it even further.

Step Five: Details are added to the pages such as lines, holes, logos, or designs.

Step Six: The notebook cover is created from the desired material and cut to size to fit the paper.

Step Seven: A hardcover notebook is bound together in the same way as a book, whereas a spiral bound notebook is held together with thin metal wire.

Step Eight: The notebook is ready to be used!

SWIGGY

Swiggy

Keeping in mind to set good quality of the codebase standards, reusability of the code (we are lazy programmers!), futuristic approach (less rework), faster rollouts, A/B experimentation, plug-play-unplug use cases, unit testing, agility in integrating any 3rd party modules etc. we have laid out the below principles to stick to while building this app (Like how celestial bodies revolve around the Sun, our codebase revolves around these principles).

Keep it simple

Separation of concerns

Modular

Do not repeat yourself

Inversion of control

Flow chart explanation

1. From the server daily the available orders are updated

2.updated in order sync module

3.updated details publish to subscriber s for ordering

4.it shows the nearer branch location for customer s ease.

5.it notifies as message or by music for offers/combo offers.

EARPHONES

UE 900 vs. UE 9000

Do you want to listen to music the way it was meant to be heard?

NO → Stop reading this flowchart!

YES → Do you want unbelievably high quality audio fidelity for your listening pleasure?

Get out of here!

The UE 9000 offers an amazing wireless listening experience over Bluetooth.

The UE 9000 can also be used wired if you're not fearing the wireless connectivity.

The UE 900 offers quad drivers in an in-ear earphones form factor for an amazing sound delivery and isolation from the outside world.

NO → Do you want a wireless listening experience?

YES →

YES →

NO → Do you mind jamming small objects into your ears?
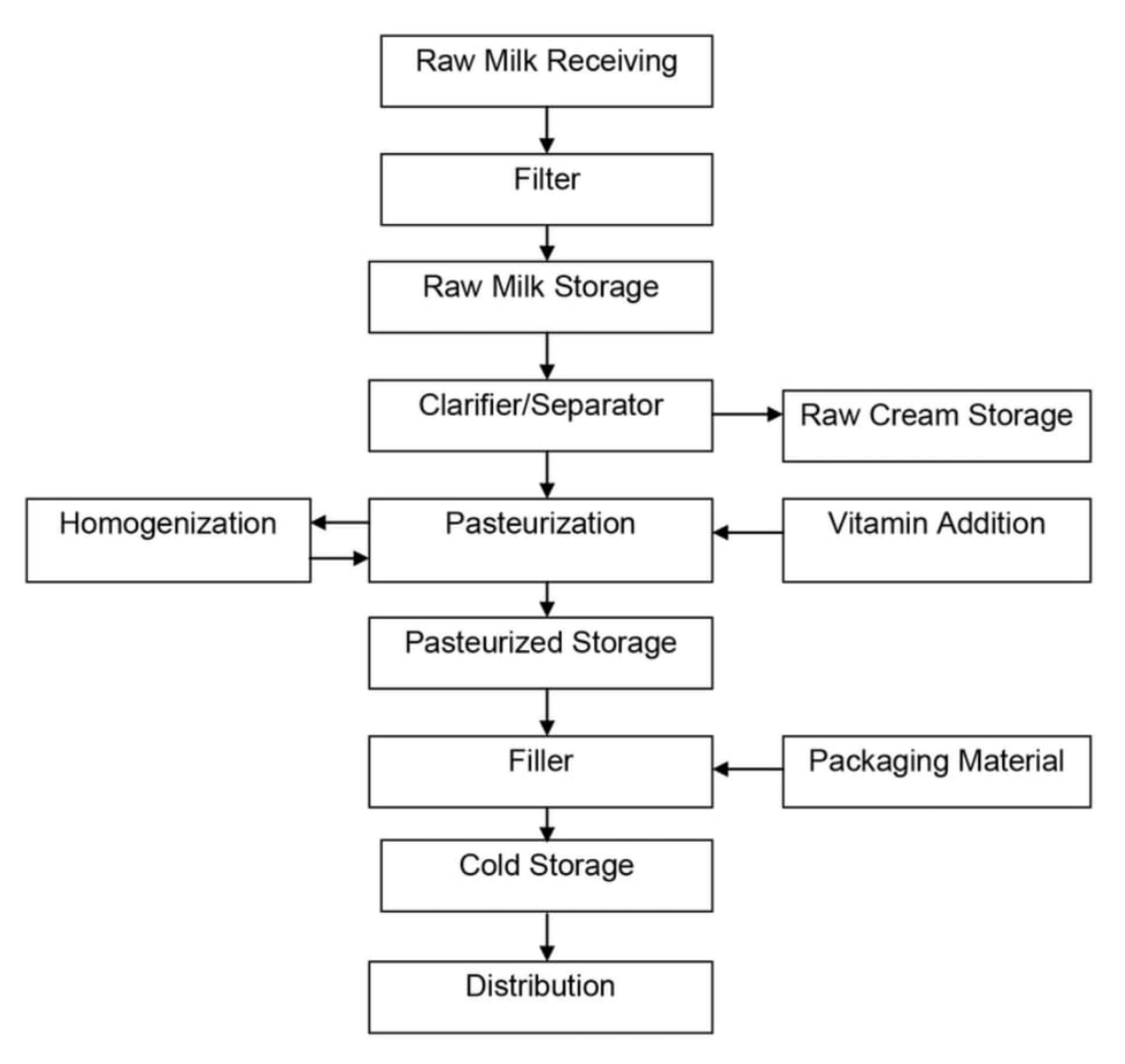
YES →

NO →

UE ultimate ears

EARPHONES

Choosing between our UE 900 earphones and UE 9000 headphones is like choosing between tropical get-aways – you can't really go wrong. Still, in these days of a million and one decisions at every corner, a little analysis paralysis happens to the best of us. So, to help make the choice easier, we broke down the difference between the two options, both cut from the same cloth of audio engineering expertise, but each one offering up a different experience.

Simply put, one is a quad-armature in-ear earphone while the other is more of a "traditional" around-the-ear headphone with wireless capabilities. The handy flowchart below is a roadmap for choosing the right one for you. Just remember, no matter which one you go with you will end up with the ultimate sound experience.

DIARY MILK

DIARY MILK

STEP 1 :
SUPPLIES :
You will need: 3/4 cup of unsweetened cocoa powder (ground cocoa beans), 1/2 cup powdered sugar (or more if you like sweeter chocolate), healthy balance butter spread, Copha, or if you can get it cocoa butter use that, and you will also need some unsweetened baking chocolate.If you like you can also add rice krispies for a crunchy chocolate.

STEP 2 :
ADD THE DRY INGREDIENTS :
Add the cocoa powder and sugar.If you want sweeter chocolate add some more sugar.

STEP 3 :
ADD THE UNSWEETENED CHOCOLATE :
Add the unsweetened chocolate and heat.

STEP 4 :
ADD THE FAT :
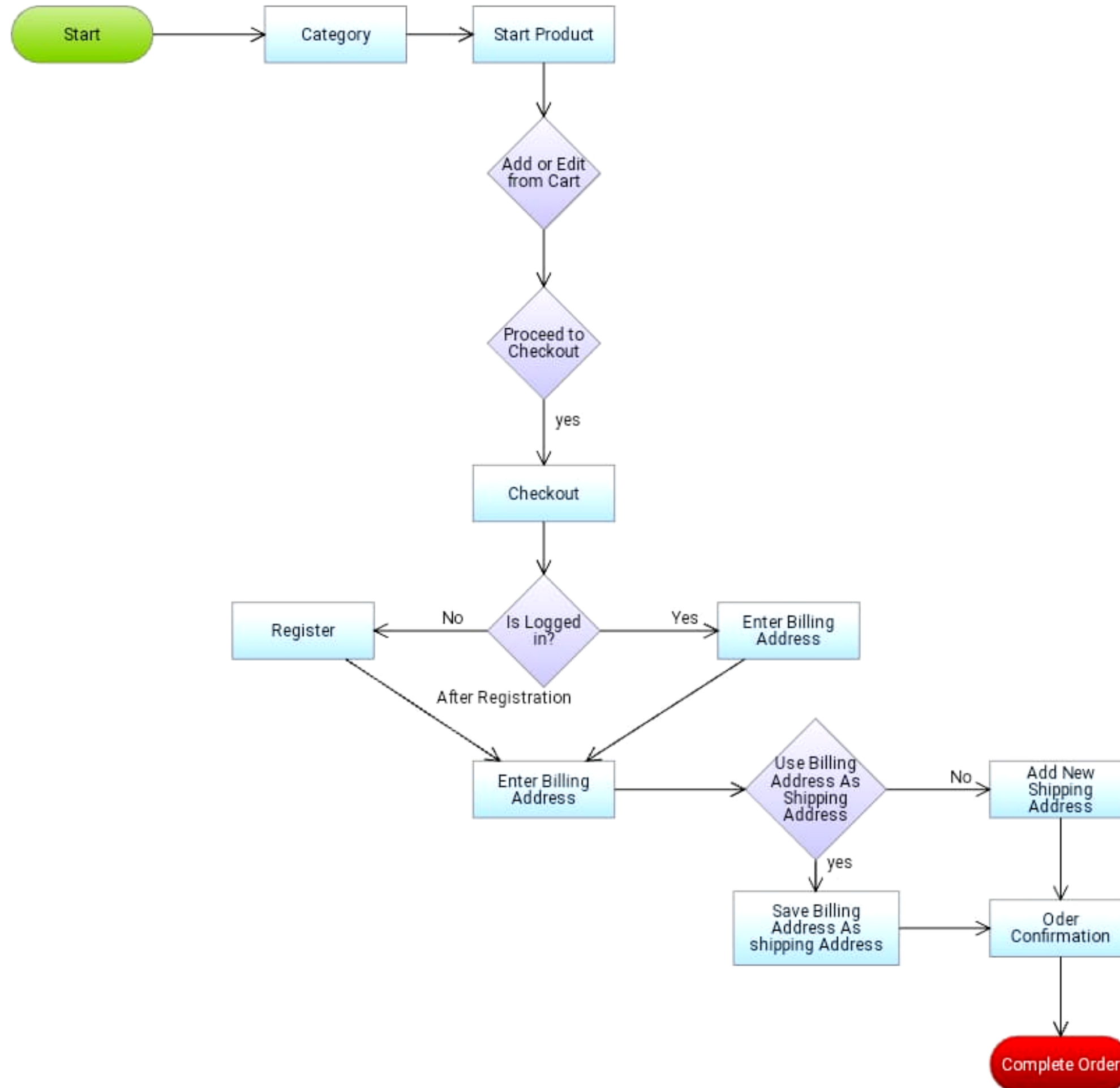Add whatever fat you are using but melt it before adding to the pan.

STEP 5 :
HEAT AND STIR :
Keep heating and constantly stirring the chocolate. If it is to lumpy, slowly add some of the fat until it looks smooth without large lumps.
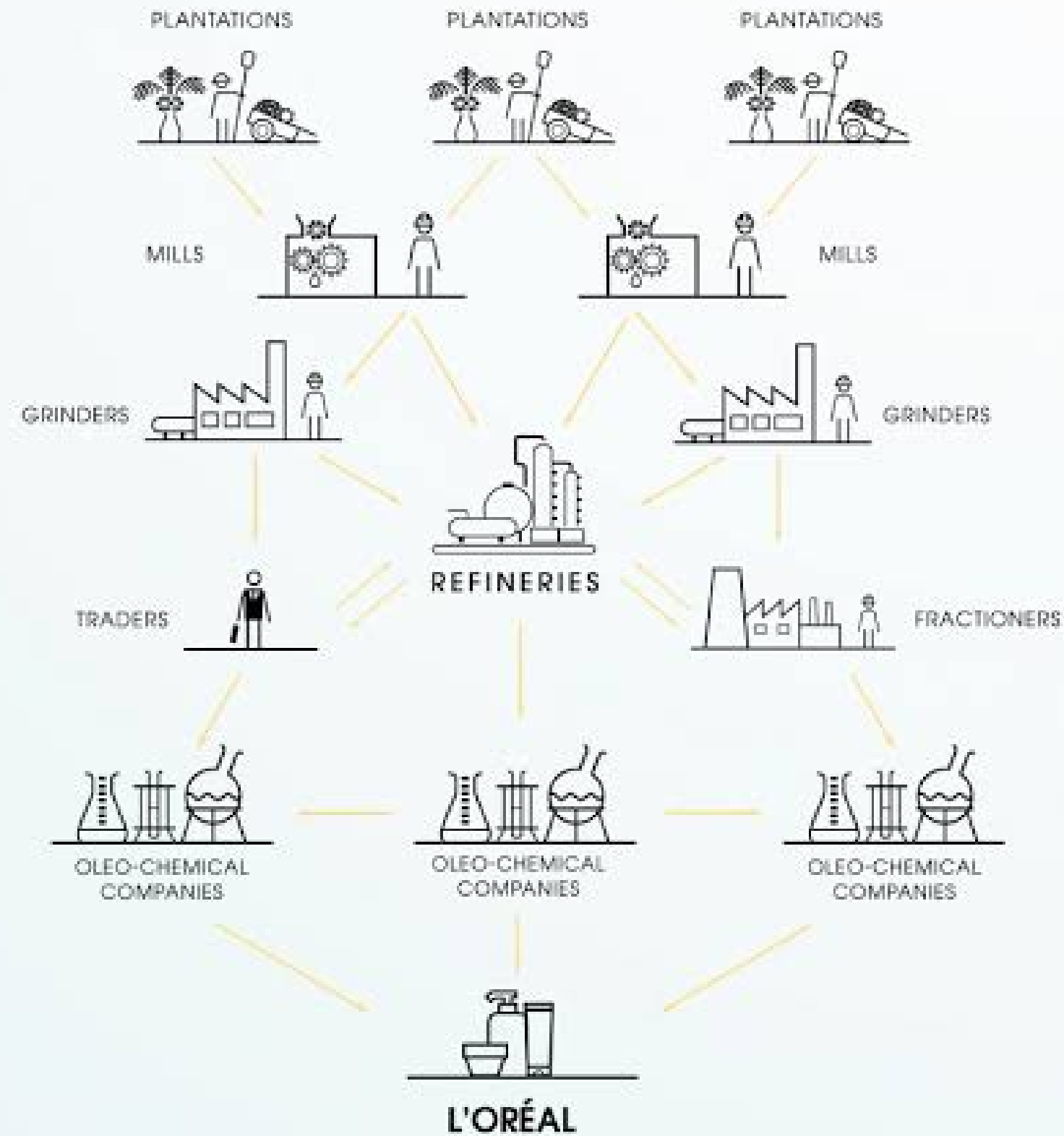
STEP 6 :
PUT INTO DESIRED MOLD :
Place into a mold or a baking sheet and place in the freezer.when cool and hard you can eat it.

JIOMART

• Visit JioMart.com and punch-in your area pin code on top of the portal to check for delivery in your region and then log in to the website. You can choose products under eight different categories – fruits and vegetables, dairy and bakery, staples, snacks and branded foods, beverages, personal care, home care, and baby care.

• Items added to the cart can be reviewed in order summary following which users can proceed with the order check out and pay either through wallet, credit and debit cards, net banking or cash on delivery. While users can expect their orders to be delivered in two days however there can be a possible delay depending on the order volume the company gets.

L'OREAL
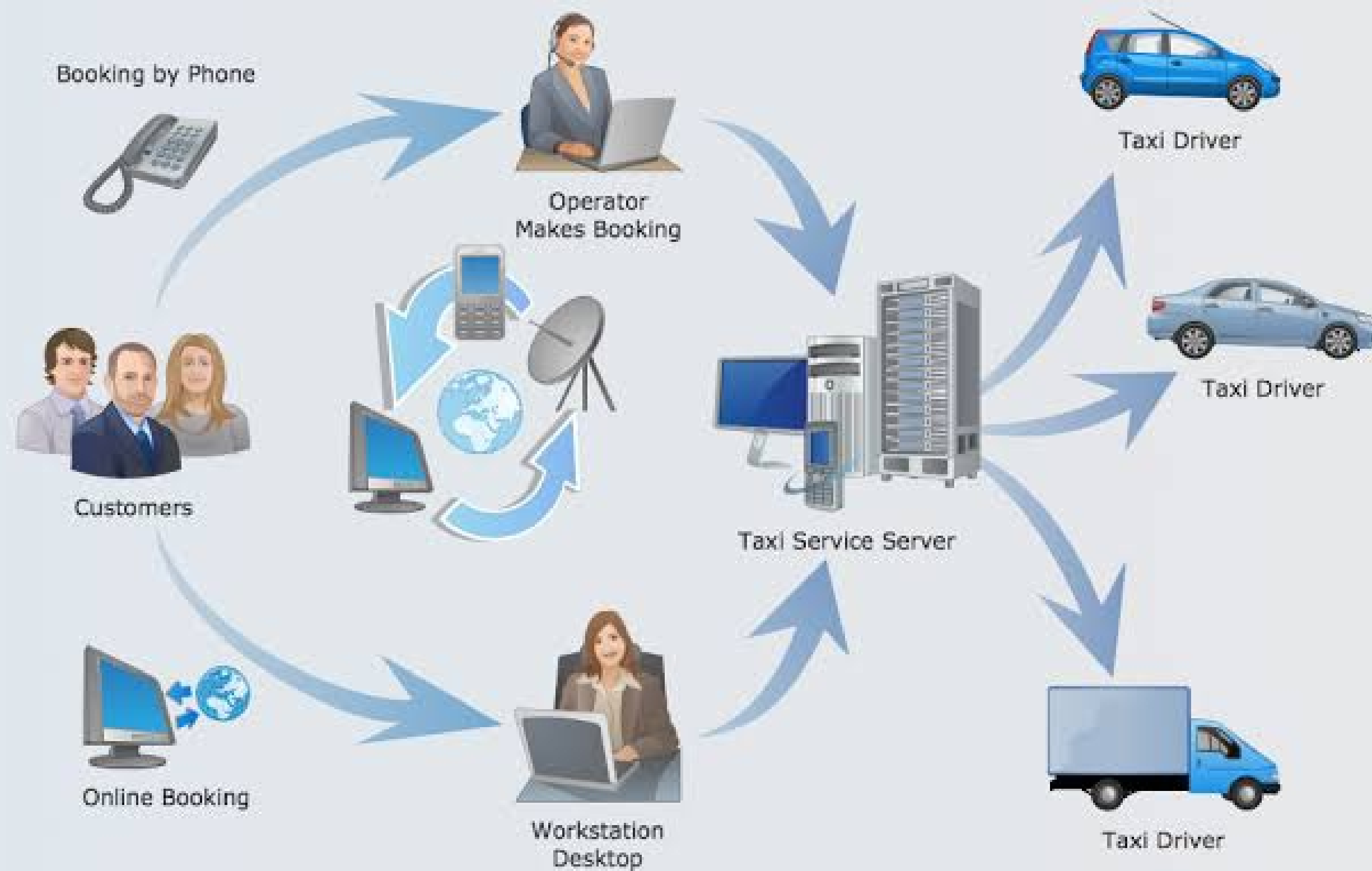

A VERY COMPLEX
SUPPLY CHAIN

L'OREAL

L'Oréal S.A. is a French personal care company headquartered in Clichy, Hauts-de-Seine with a registered office in Paris. It is the world's largest cosmetics company and has developed activities in the field concentrating on hair colour, skin care, sun protection, make-up, perfume, and hair care.
• To produve L'Oreal products Triethanalamine lauvyle sulphate is used.
• Straric acid are heated to about 65 degree celcius.
• Water and preservatives are also added at 65 degree celcius.
• Both are mixed and then cooled in the L'Oreal mills.
• Perfumes are then added in the special grinders.
• Now the shampoo is ready for bottling and covering itself with our nametag and supplied to Oleo - chemical companies.
   • It reaches our happy customers and help them realise the softness in the hair.

RED TAXI

Red taxi Workflow

CS ODESSA

Booking by Phone · Operator Makes Booking · Customers · Online Booking · Workstation Desktop · Taxi Service Server · Taxi Driver · Taxi Driver · Taxi Driver

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