

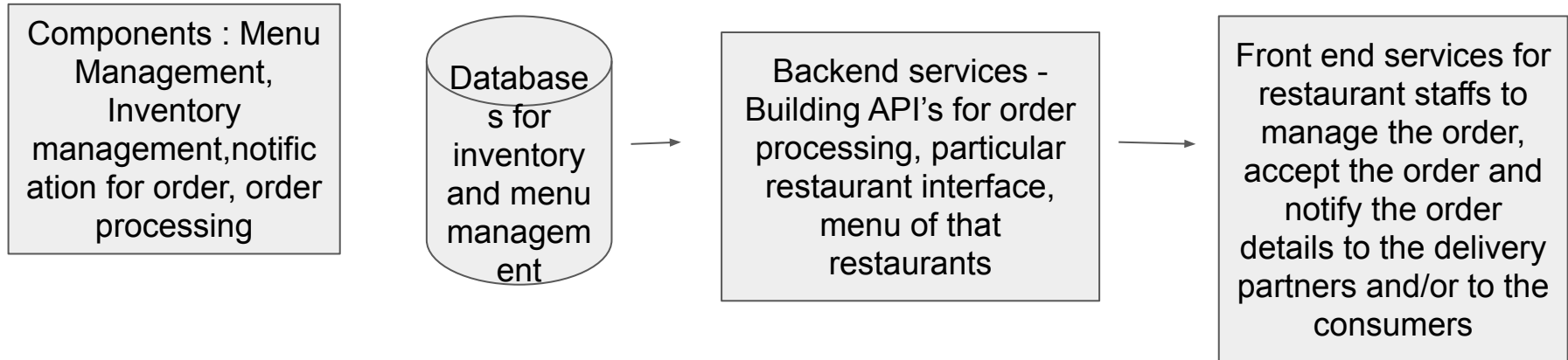
System Design for Food Delivery app

User Segments :

Restaurants → Delivery Partners → End users who order food

Restaurants:

System Requirements



Delivery Partners:

System Requirements

Components :Real time tracking system through maps integration, matching nearby delivery partner to the nearby restaurants, notification on the available order from the restaurants , Display payments related objectives, incentives, gateway transaction, communication channels to the end users.



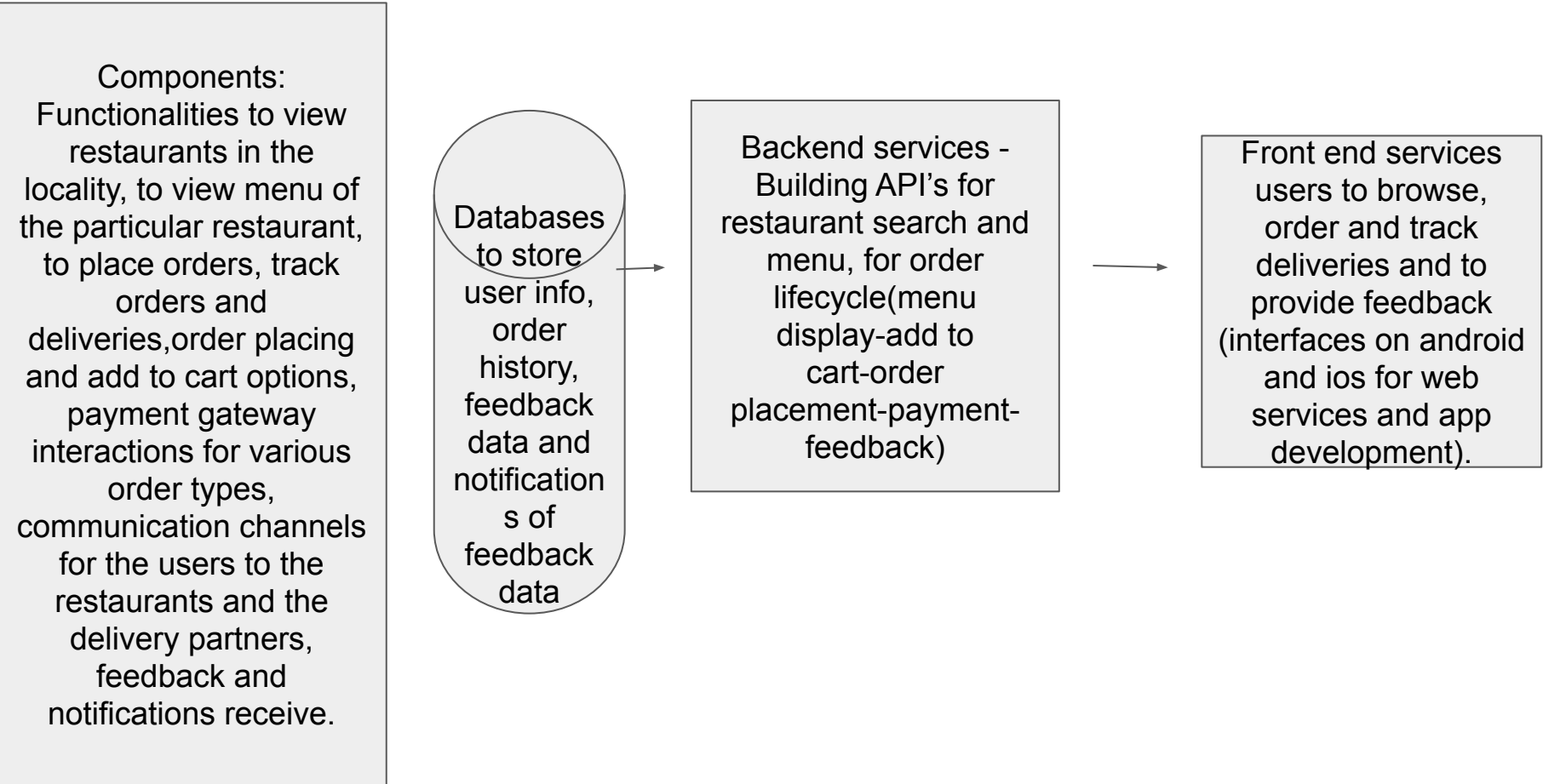
Backend services - Building API's for order assignment, to notify the delivery status, and payment related services, to track the order details (scaling the os for both the android and ios systems for both web interfaces and app development).



Front end services for to track the deliveries,manage the orders, (web interfaces and app development on android and ios.)

Note: Connection between the restaurants and the end users are managed through delivery partners, acts like a middlemen here.

End users: System Requirements



Considerations:

User Experience for restaurant staffs to delivery partners to order placers.

Building for mobile applications as well as for pc users.

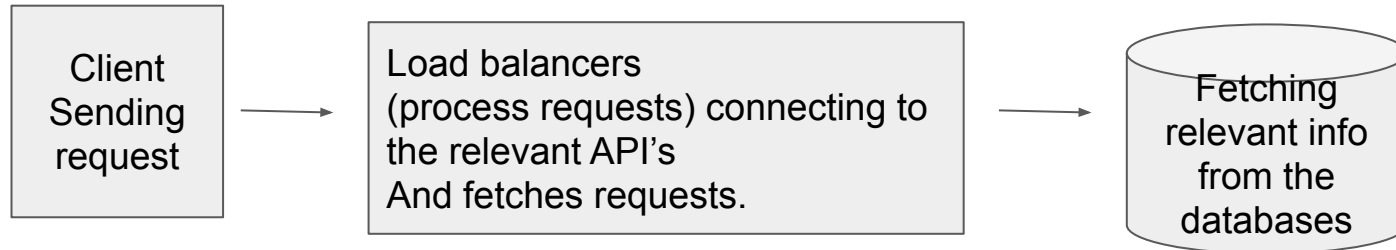
Building on web services and even for apps.

Building for different versions for android users and ios users.

Security and Authentication factors in payment gateways.

Scalability factors and response time for users.

Basic common architecture:



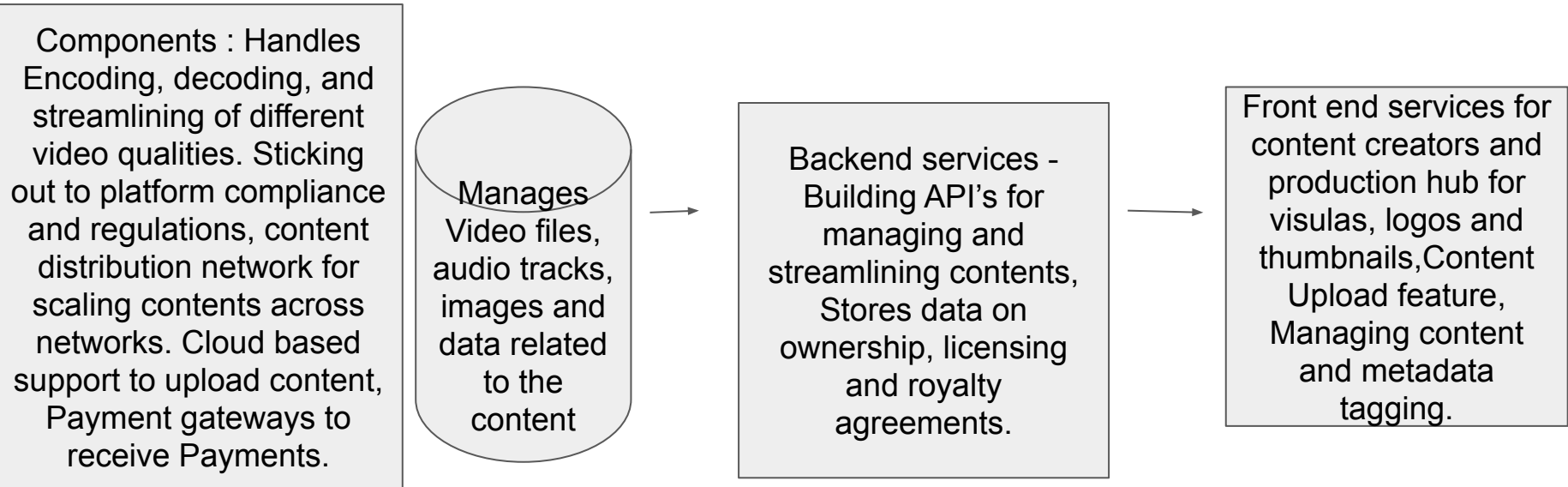
System requirements for OTT platforms

User Segments:

Content Creators → Content Aggregators → Content Viewers/Production House

Content Viewers/
Production House

System Requirements



Content Aggregators: System Requirements

Components : Handles Quality control and compliance checks for contents, Standardization of metadata formats based on categorization tags, and labels for consistency and ease of use. Features to interact with license providers and content creators.

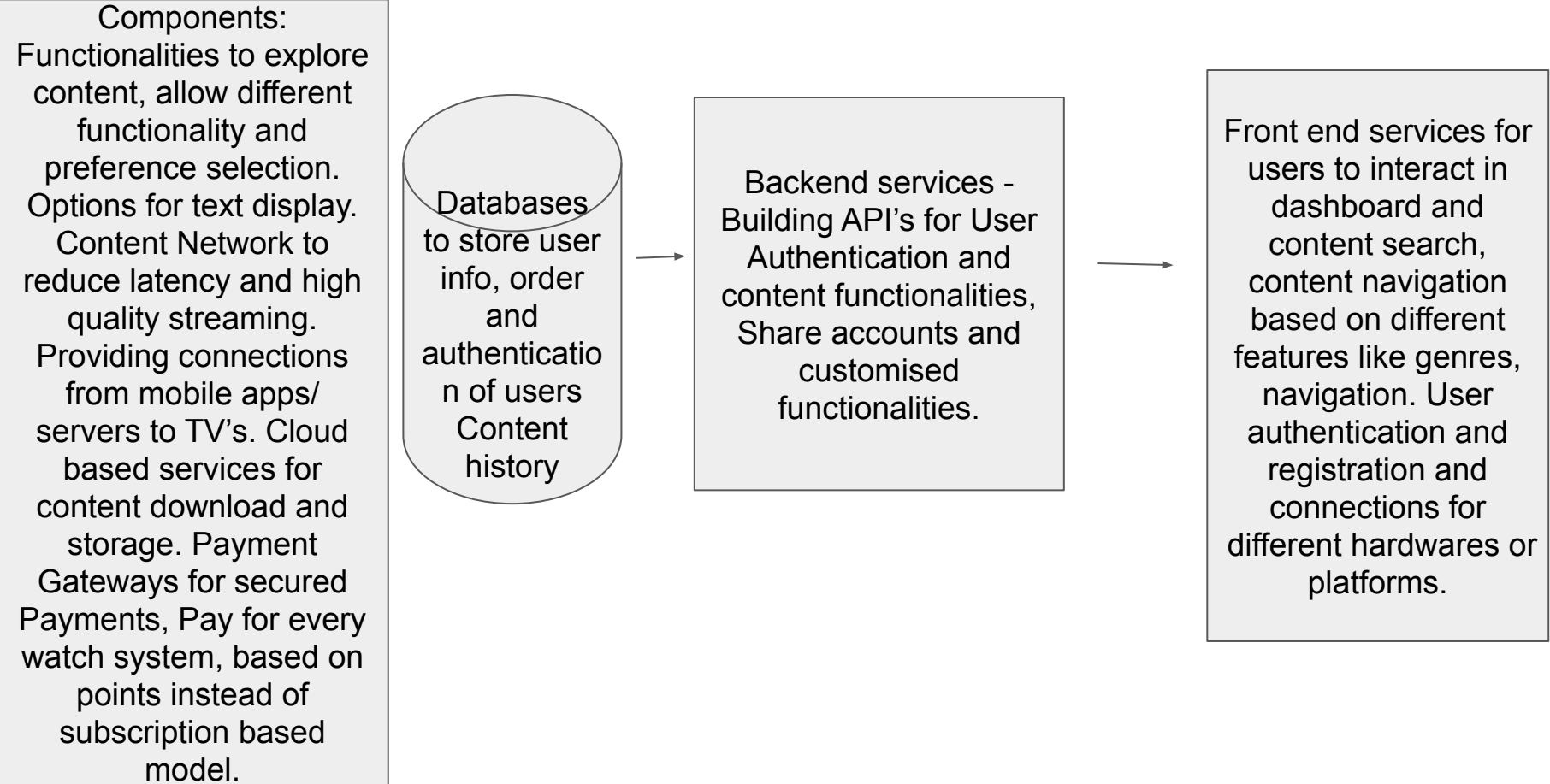
Stores data from content catalogs and retrieves data for easy streamlining

Backend services - Building API's for licensing of content rights and agreements, and managing content catalogs

Front end services for dashboard of content acquisition and content catalog.and content scheduling and categorization, content selection tools and search engine filters based on genres and language

Note: Here, Content Aggregators checks the compliance and regulatory standards and manages the content catalog and streamlining process. The content creators or production Hub after their work routes all the work to content aggregators who will approve it and then the content reaches the viewers. (if needed content aggregators can add an extra step to route the content for regulations and compliance checks and then approve.

End users: System Requirements



Considerations:

User Interaction between Content Creators/Production Hub to Aggregators and User Experience for Content Viewers.

Building for mobile applications to connect with hardware components like TV's and Microphones.

Building on web services and even for apps.

Building for different versions for android users and ios users without any discrepancies or content change.

Security and Authentication factors in payment gateways of the subscriptions or pay per watch rates.

Caches, a temporary memory storage units can be used for faster content delivery.

Design Of Local Food Delivery App

solution 2:- Before completely developing a ^{digitizing} product, word of mouth would actually help branding a product

Food Delivery App:-

User segments

- Restaurants
- Delivery partner
- End users who order foods.

* Can create pages in social media websites and do Social media Marketing or digital Marketing.

*

Title:- Mission Food

Problem Statement:-

To design a Food delivery app in the locality and scaling from small scale to compete between Tier 2 & Tier 3 competitors.

Goal:-

* To increase the reach of small scale Local Food stalls in the Local communities.

* To promote health factors through the supply of Food.

Objective:-

* To promote the healthy Food reach the local communities through Branding / contents strategies.

Product Design:-

⇒ Pain Point 1:- Delivery ^{charges} cost from far away places are high

⇒ Pain Point 2:- Health issues from outside Foods becomes an Hazard. User segment → Locals

- Bachelors
- school going children
- working professionals
- Office Teetips.

⇒ To prioritise the Local Food delivery app to reach between the minds of people.

* Solution one:-

⇒ Suppose I say, there is big office setups or MNC's located in the marked place, the app can reach that particular offices to receive Food from that delivery app. Like a tieup or collaboration.