POS SYSTEM LAYOUT AND DESIGN

POS SYSTEM:
Designing Portable POS System for Waitstaff to process orders at restaurants
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DESIGN PROMPT:

Dear Developer,

I want an application so our waitstaff can manage our food orders...

Overall... an employee should be able to...
a: select a party of customers
b: select food items the customers have ordered
c: see a receipt

We'll keep thinking about it over the next few days and send more details when they come up.

Best,
Gadoe

USER STATEMENTS:

I must be able to input the users order
I can edit an order
I can add and delete items
Food should display information
I have all food types available on one screen
I can manage a parties accounts and access their information
I can move cuwirestomers to different seating arrangements
I can view the whole restaurant and access each parties order
I can communicate with management in a timely fashion
I can add modifiers to each food type
I can see the sum total and sum order of the particular party on the screen at all times
I can send the receipt via email text or print
I want to send a message to my former workers
I want my manager's contact information
I would like to see the profiles of my customers

PROBLEMS WITH CURRENT POS SYSTEMS

Often designed with the restaurant in mind, not with the user
Does not incorporate mobile platforms in a work setting
No relationship between staff members
User Interfaces are cluttered and inefficent
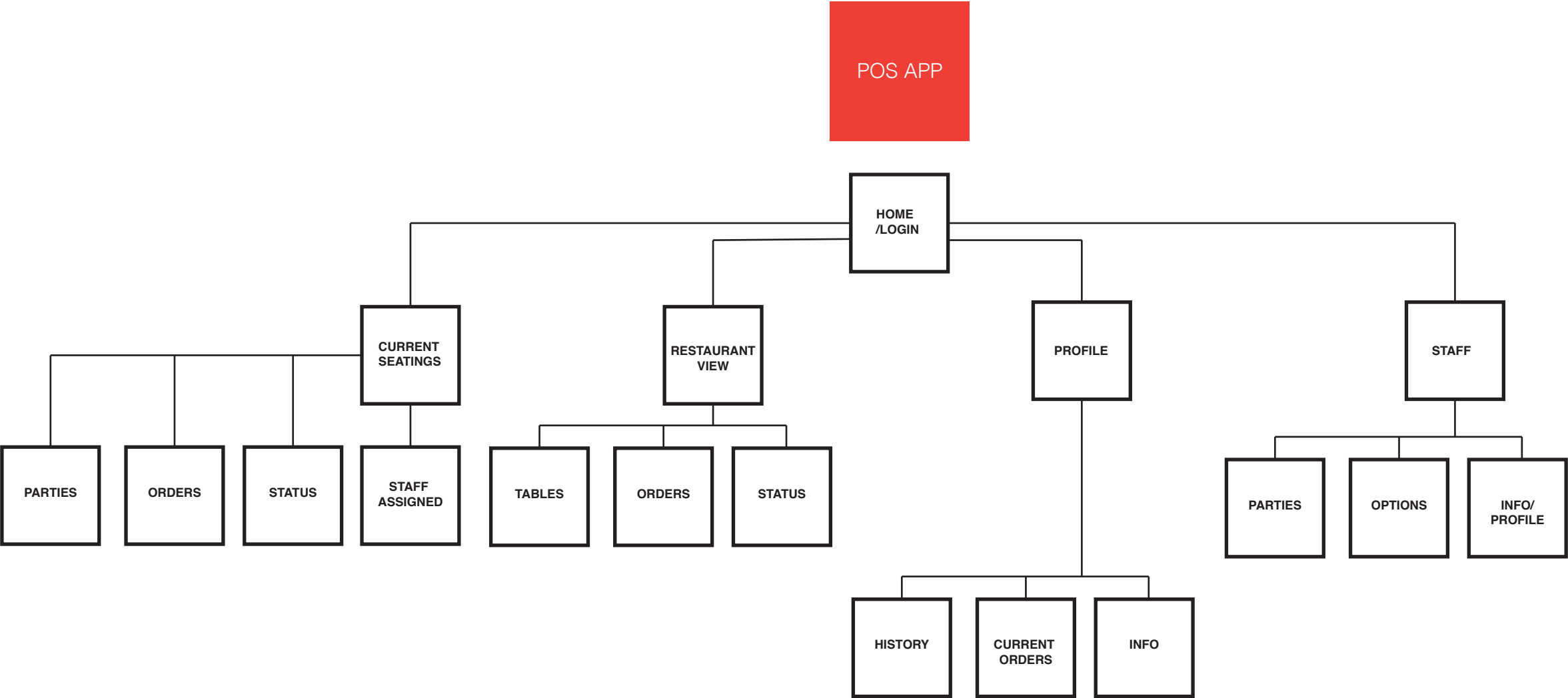Everyone has a small smart computer in their pocket
Bulky hardware
Single units mean there are hubs
If multiple staff needs to use the machine, this means there is traffic

INFORMATION ARCHITECTURE

Information architecture (IA) is the structural design of shared information environments; the art and science of organizing and labelling websites, intranets, online communities and software to support usability and findability; and an emerging community of practice focused on bringing principles of design and architecture to the digital landscape.

POS APP

HOME /LOGIN

CURRENT SEATINGS

RESTAURANT VIEW

PROFILE

STAFF

PARTIES

ORDERS

STATUS

STAFF ASSIGNED

TABLES

ORDERS

STATUS

HISTORY

CURRENT ORDERS

INFO

PARTIES

OPTIONS

INFO/ PROFILE

ERD

Entity Relationship Diagram (ERD) is a database design tool that provides graphical representation of database tables, the columns in tables and the relationships between tables.

ADMIN
- ID
- NAME
- USERNAME
- PASSWORD
- EMPLOYEE TYPE

PARTY
- USER_ID
- NAME
- ACCOUNT
- PAYMENT
- TABLE/SEATING

ORDER
- FOOD_ID
- PAYMENT
- PARTY_ID
- TYPE
- QUANTITY
- STYLE
- PRICE
- RECEIPT

ITEM
- NAME
- QUANTITY
- PRICE
- TYPE
- INGREDIENTS
- INVENTORY
- ALLERGIES
- v• DESCRIPTION