

LIGHTNING TALK

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INTERIOR DESIGN



GEORGE LEE, 42

INTERIOR DESIGNER

Over the course of eight years, George has honed his craft in designing exquisite homes and navigating varied client preferences.

However, he often encounters creative blocks, finding it challenging to draw inspiration from his extensive body of past work.

The process of referencing previous projects has become burdensome due to the accumulation of eight years' worth of designs.

George seeks a solution to streamline this reference process and reignite his creative spark.



HOW CAN WE HELP INTERIOR DESIGNERS RECOMMEND DESIGNS MORE EFFICIENTLY?

Proposal 1

Recommendation System



SO MANY ROOMS

~~RECORD STORES~~ CLIENTS' CHOICES

SO MANY COMBINATIONS

Will be to explore the 2 systems:

- Collaborative Filtering based on items
- Content Based Filtering

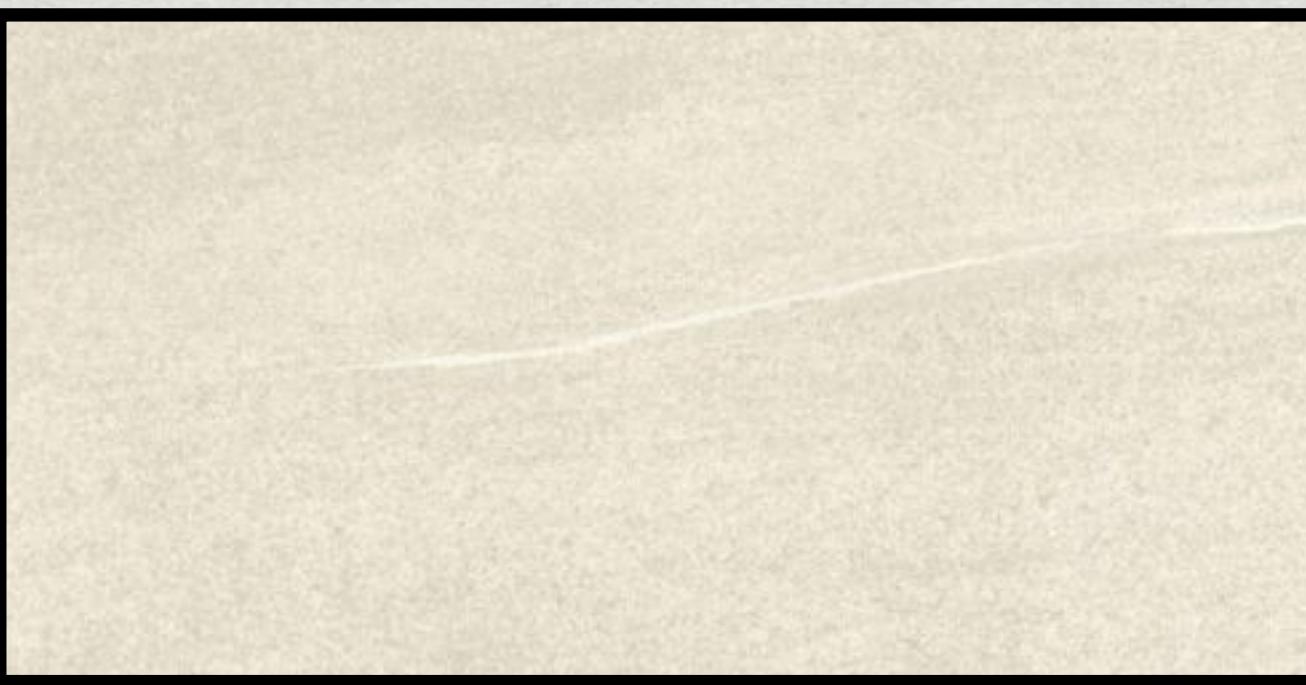
RECORDS OF CLIENTS' CHOICES

No idea what kind of tiles fits?

- * Floor tile (Ceramic)



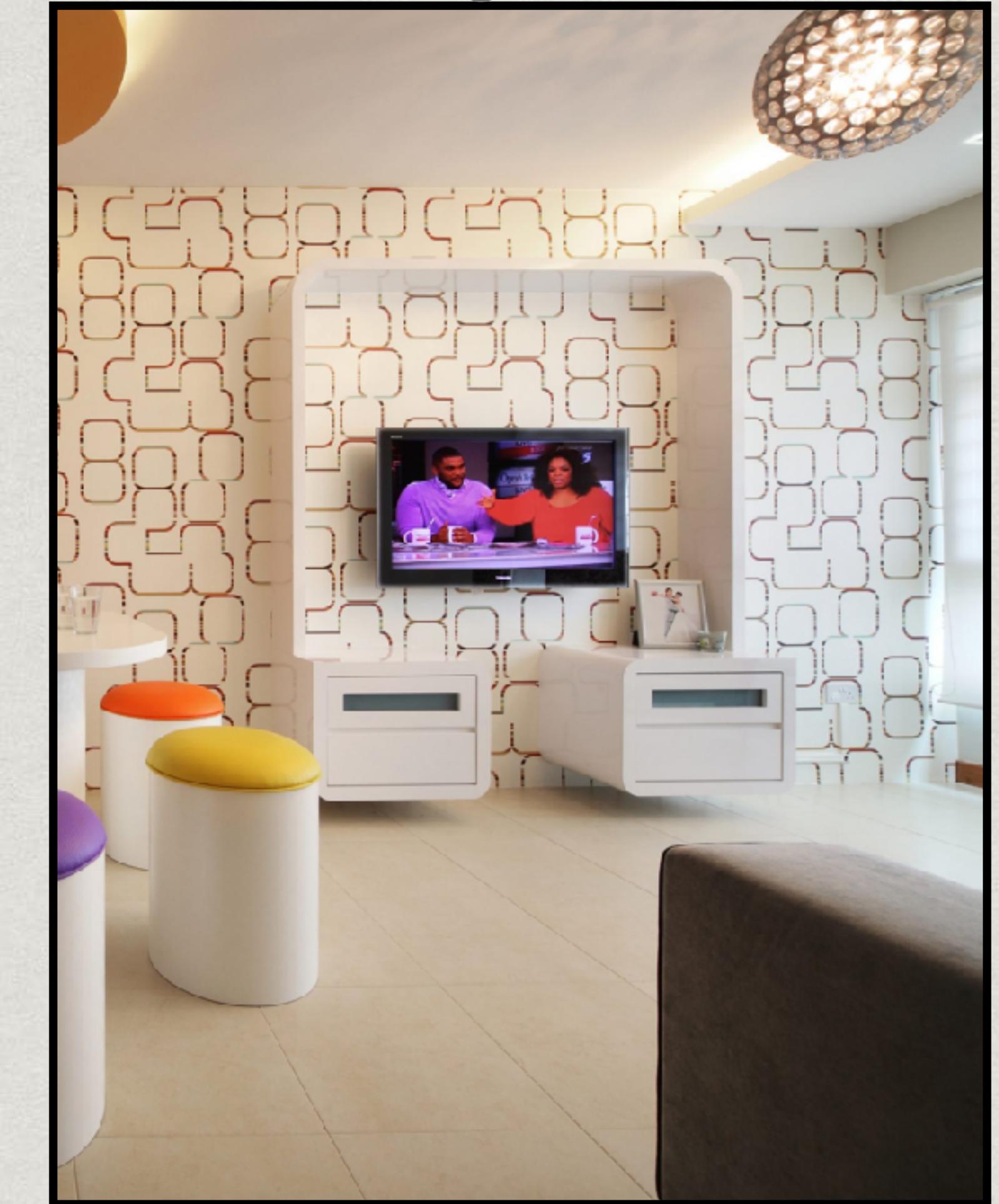
- * Wall tile (Ceramic)



Toilet

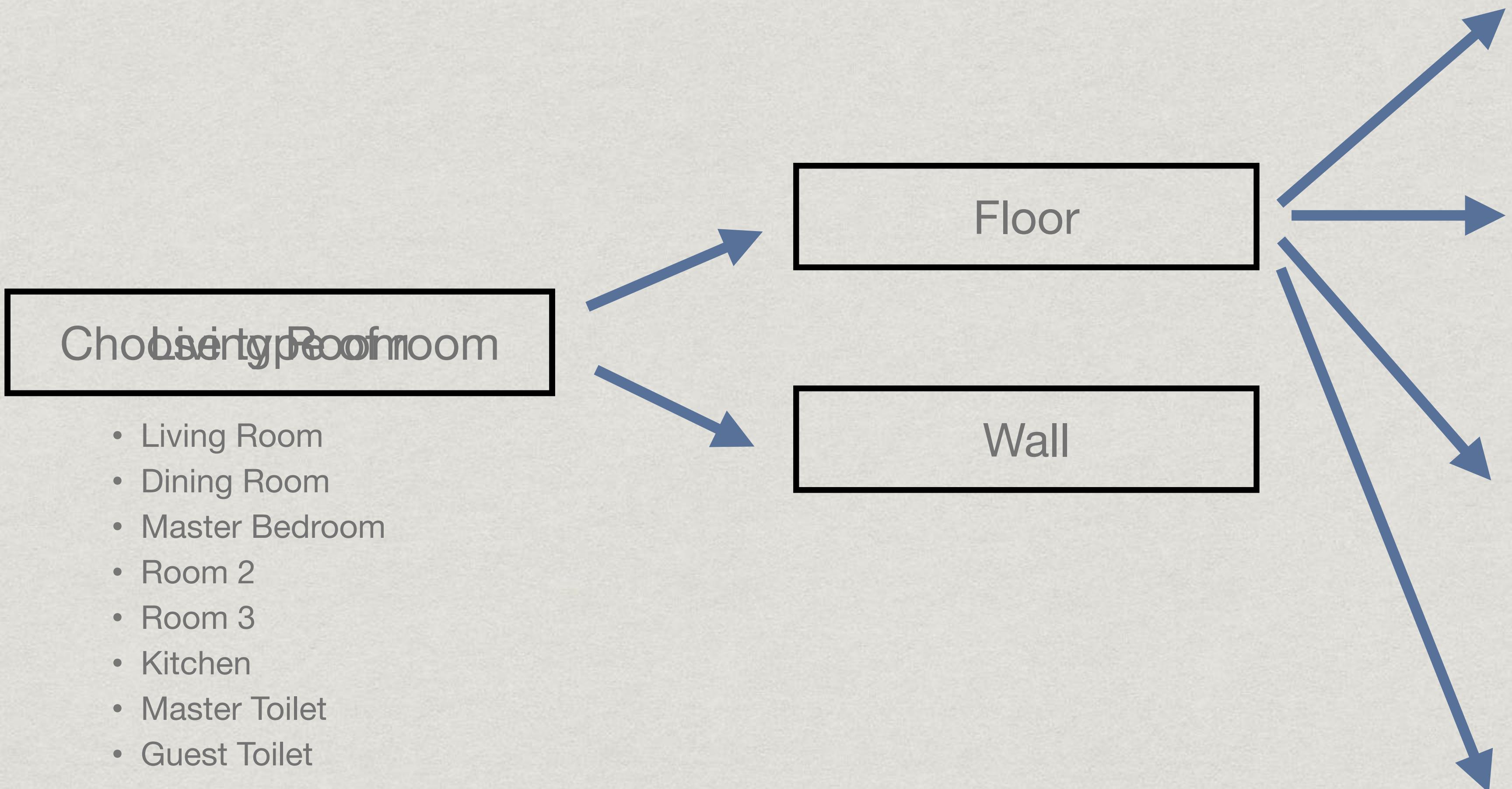


Living Room



Recommendation System Workflow

Based on customers' purchase records

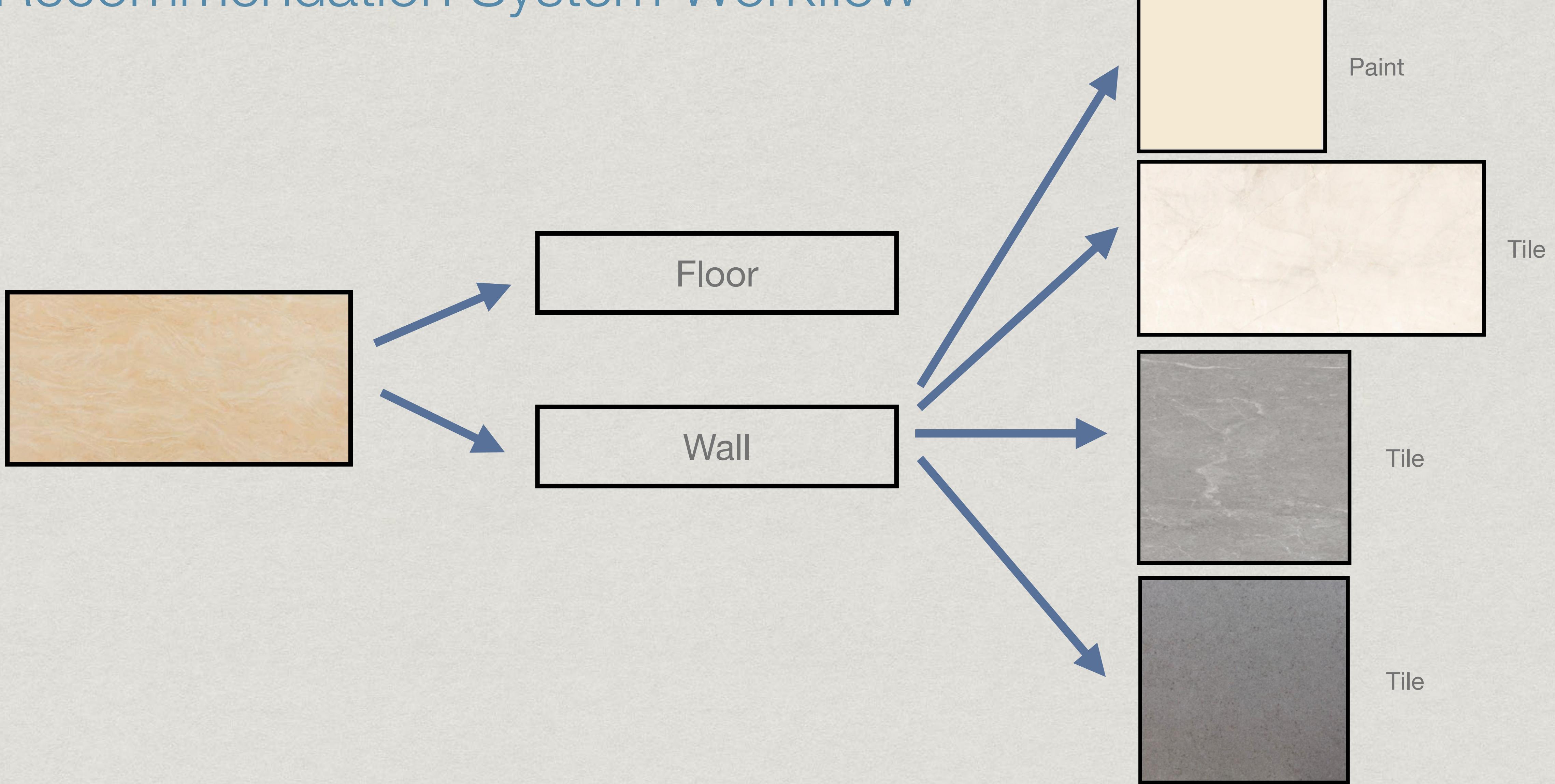


Recommendation System Workflow



Recommendation System Workflow

Based on customers' purchase records

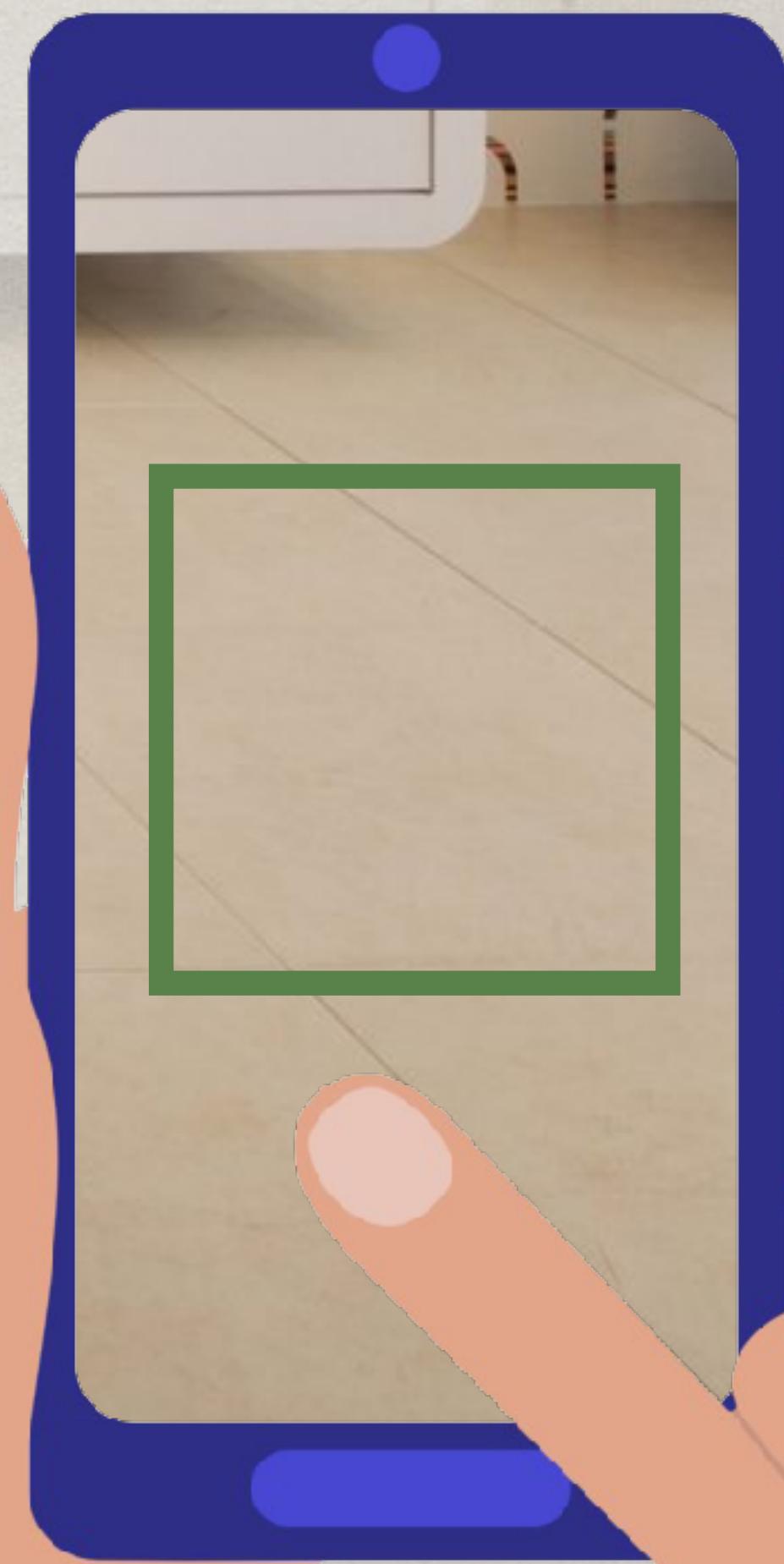


Proposal 2

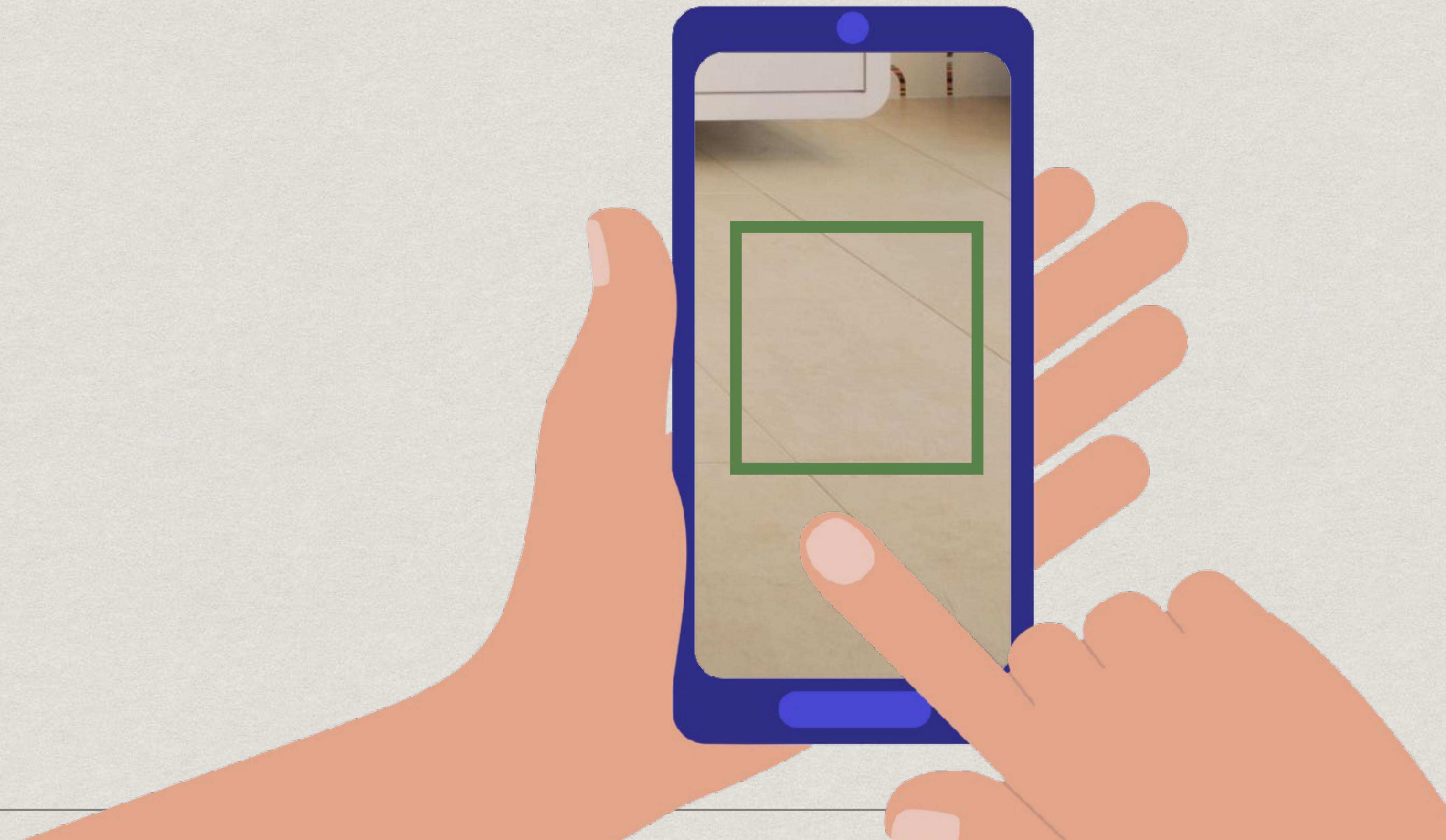
Product Recommendation With Photography



Product Recommendation with Photography

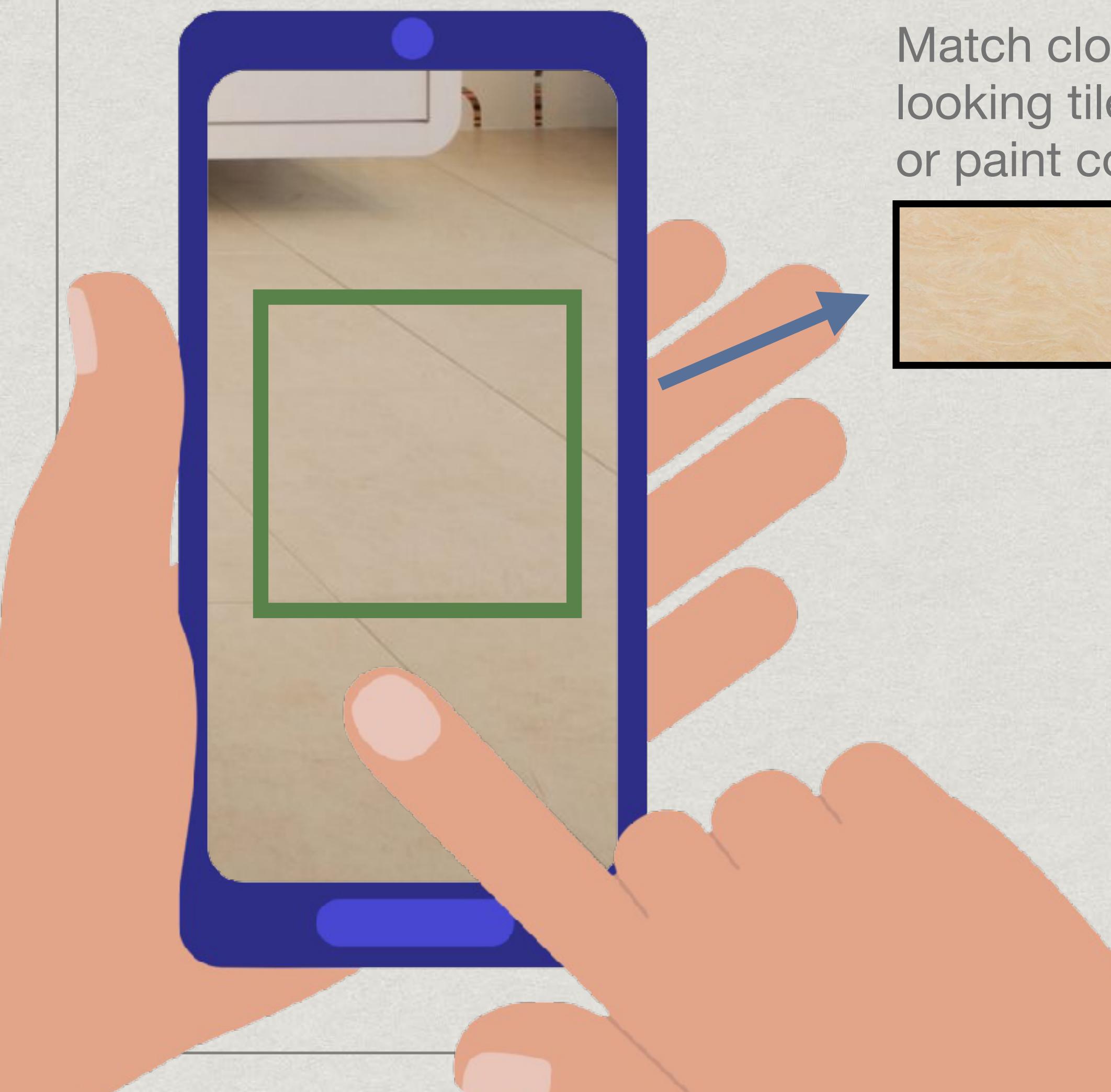


Product Recommendation with Photography



Based on customers' purchase records

Product Recommendation with Photography



Match closest
looking tile
or paint colour



Floor

Wall



Proposal 3

Chatbot to recommend products



Output:

Input:

I would like to have a modern luxe house with white floor tiles and dark wood kind of wall in the living room.

Living Room

Recommended floor tile



Recommended wall tile





DE EXCLUSIVE
Interior Group Pte Ltd

Let our designs do the talking

Dataset



Let our designs do the talking



And many more....

Challenges

- Gathering the dataset
 - Such as gathering photos of the products
- Testing the models



And many more....



THANK YOU