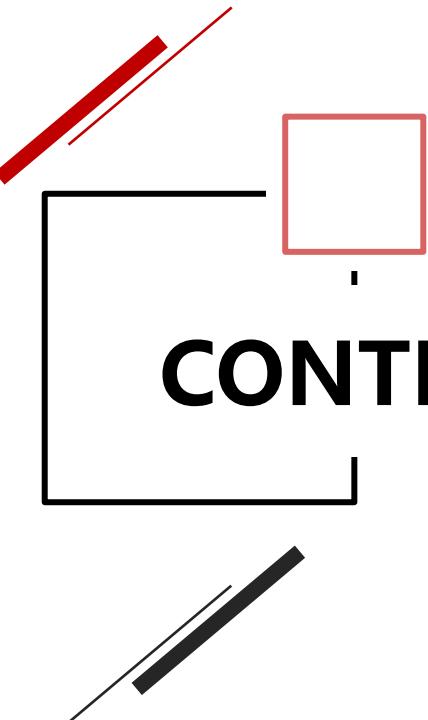


2022

Order Your Chip

CSC3170 Report

AMDIVIA



CONTENTS

- [1] **Introduction**
A chip production ordering platform
- [2] **System Front-End and Back-end**
A complete webpage and interfaces
- [3] **Database Designation**
Database of customers and plants
- [4] **Target Analysis**
Score the orders of our customers

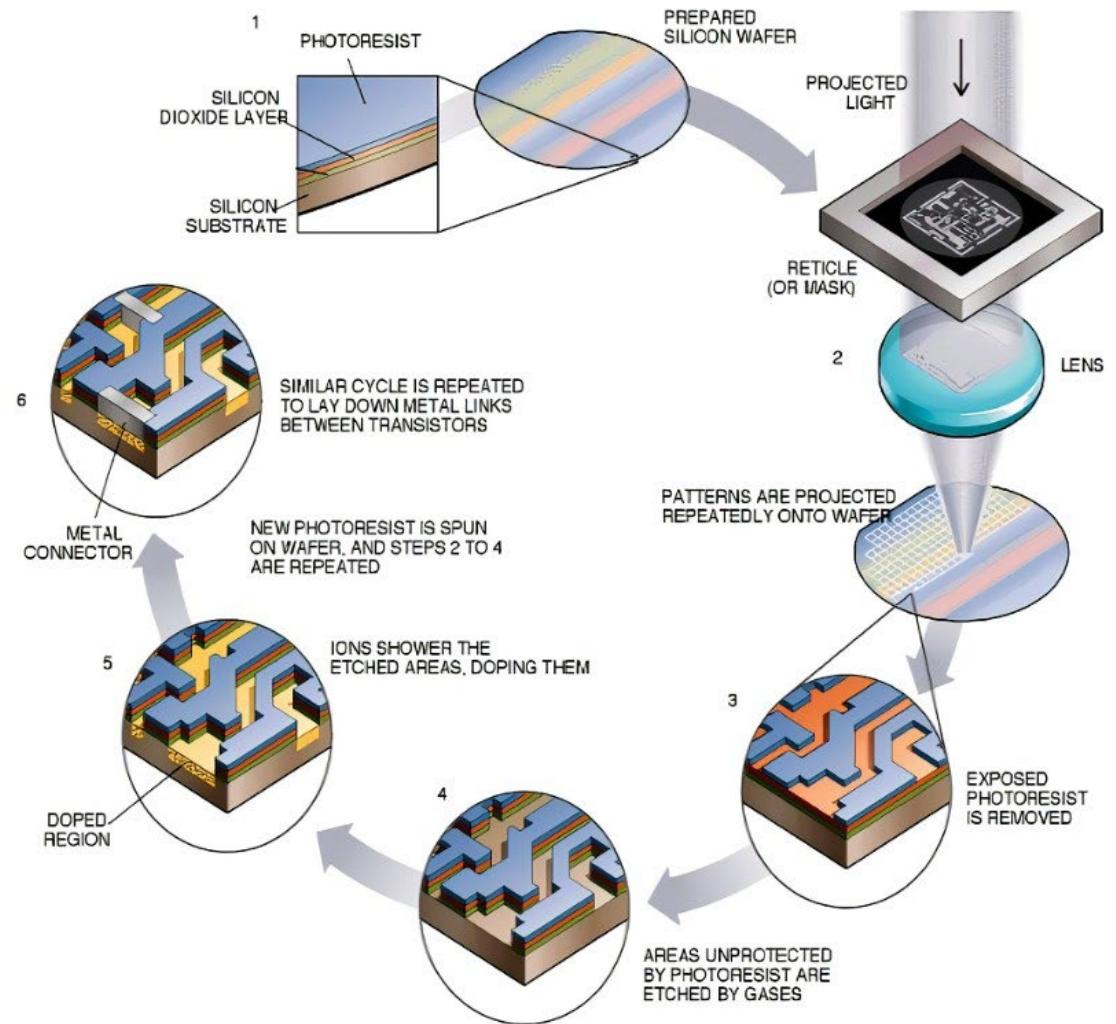
01

START

Introduction

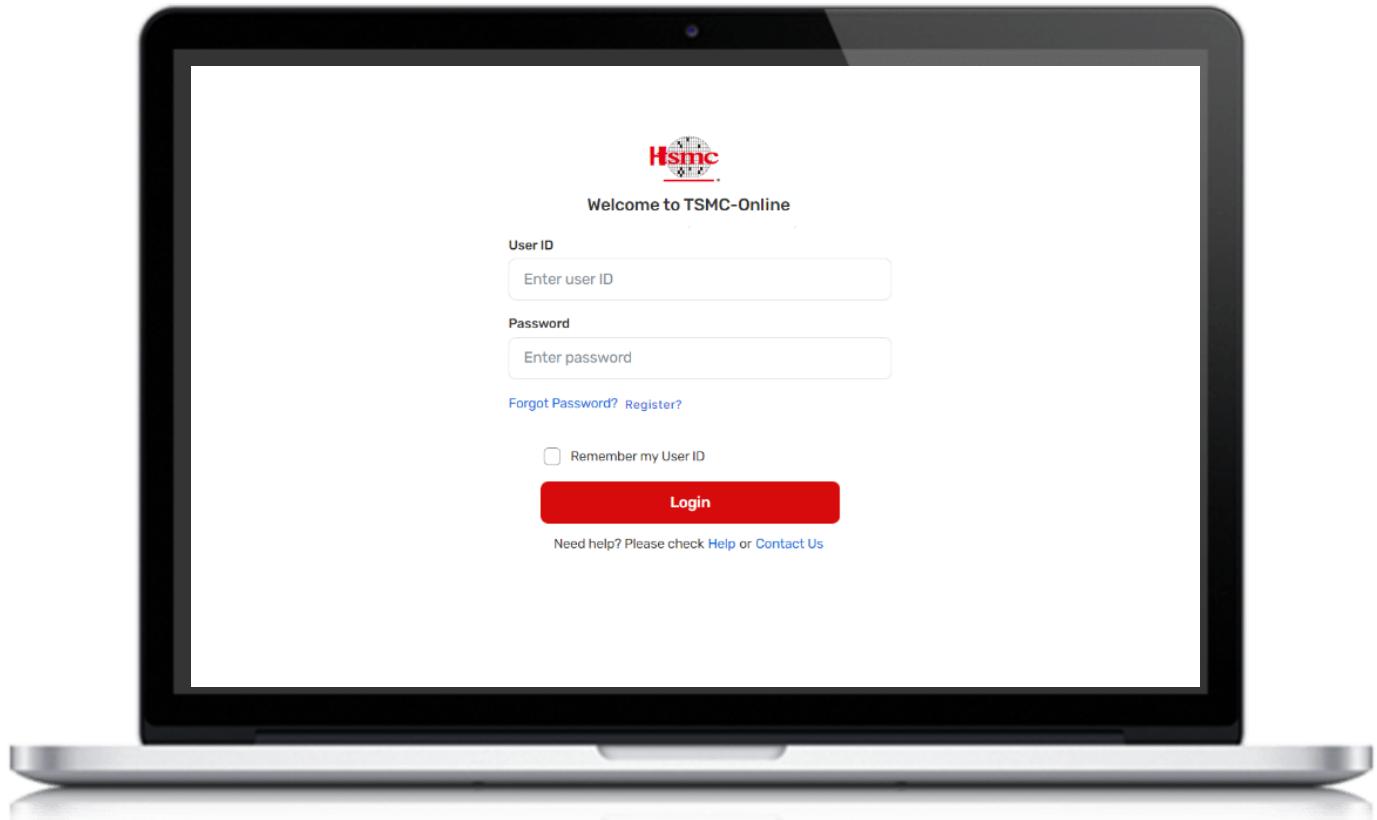
Is these your concerns?

- Information gap of plants
- Waste of time and budget
- Troubles in payment

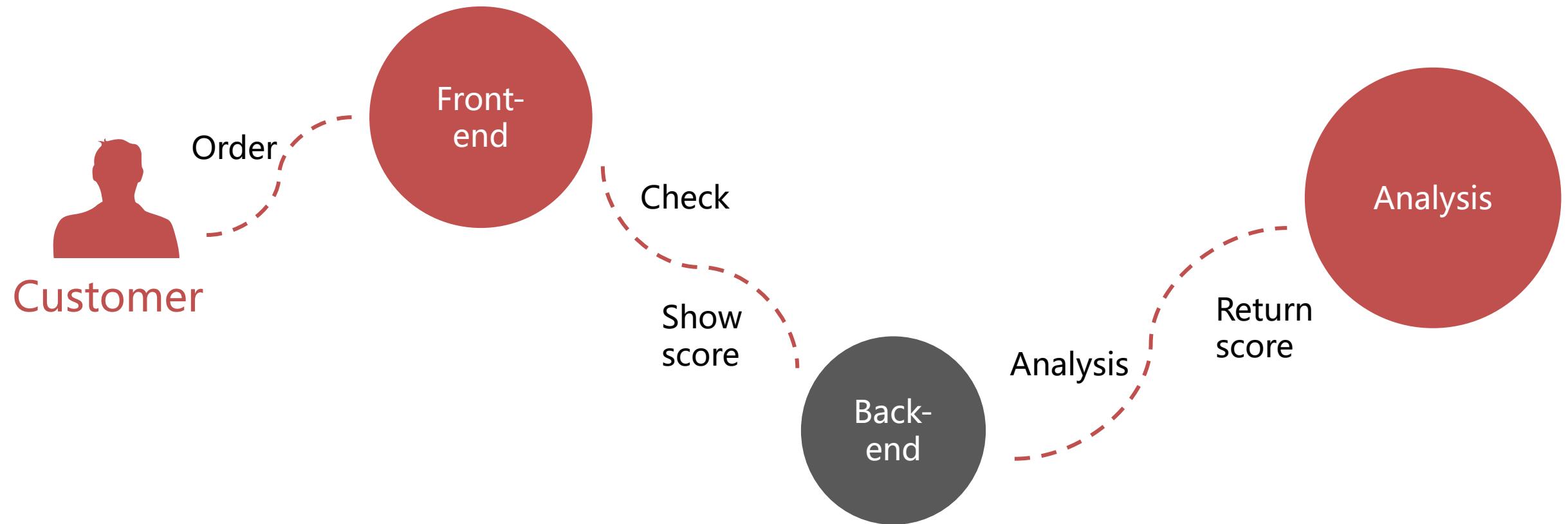


What do we offer?

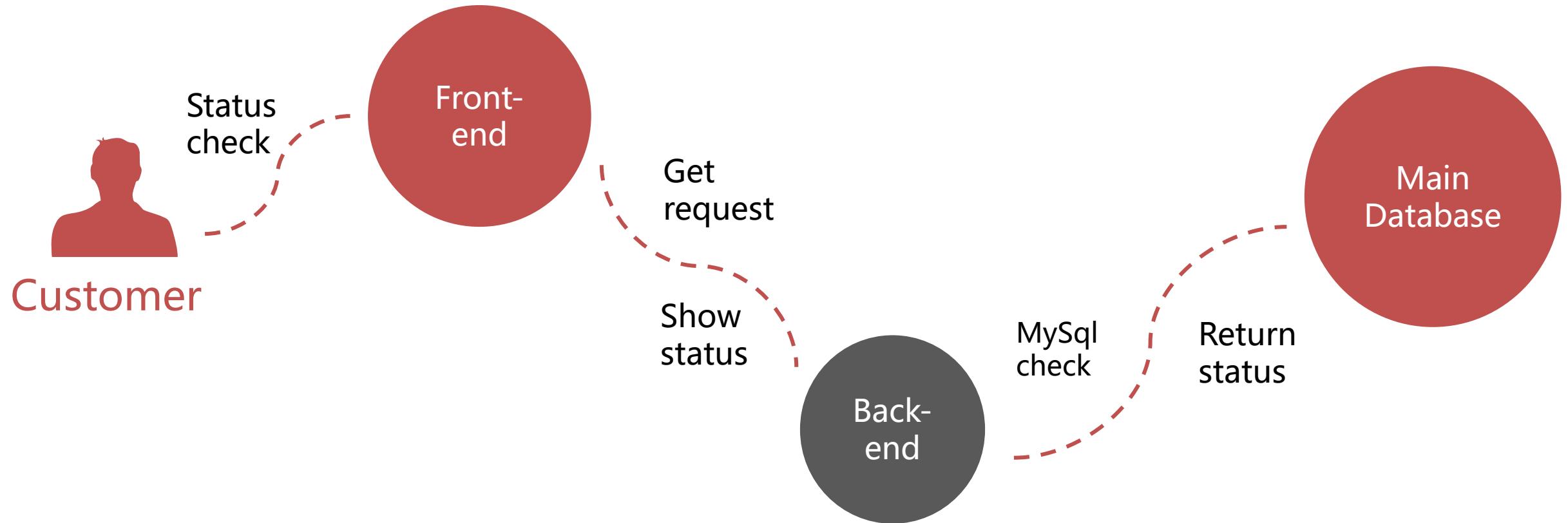
- Information of **200** plants
- **Auto-test** for your decision
- Convenient payment with bank account



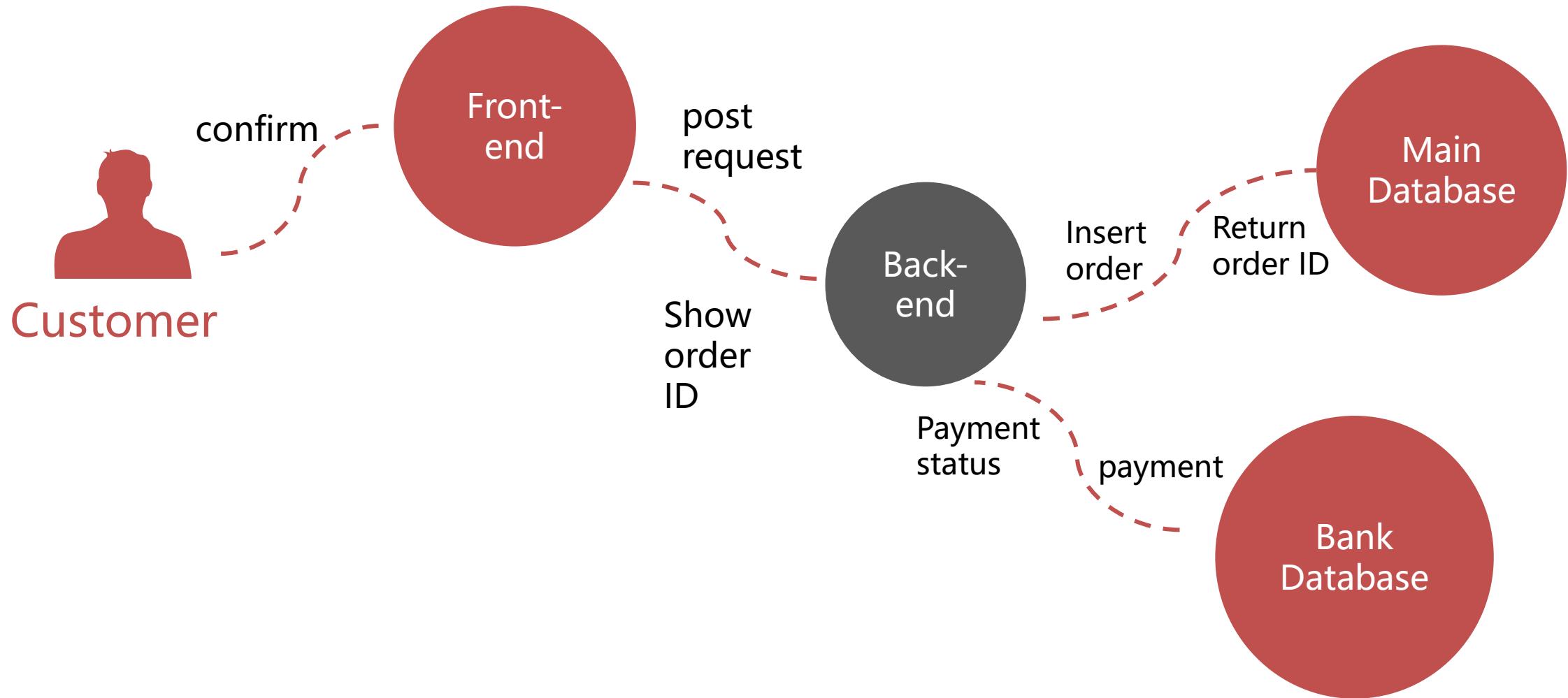
1 Data Flow – Check the desicion



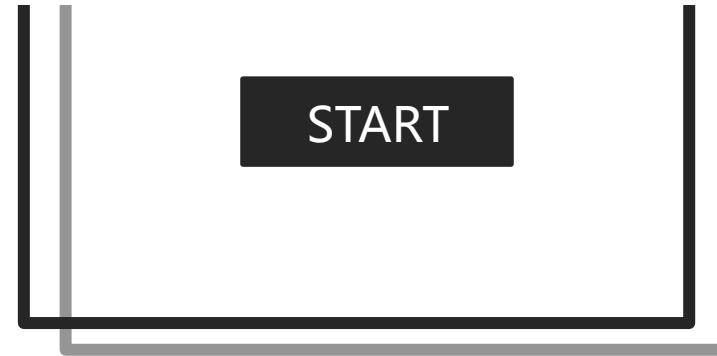
1 Data Flow – Check chip/order status



1 Data Flow – commit order



02

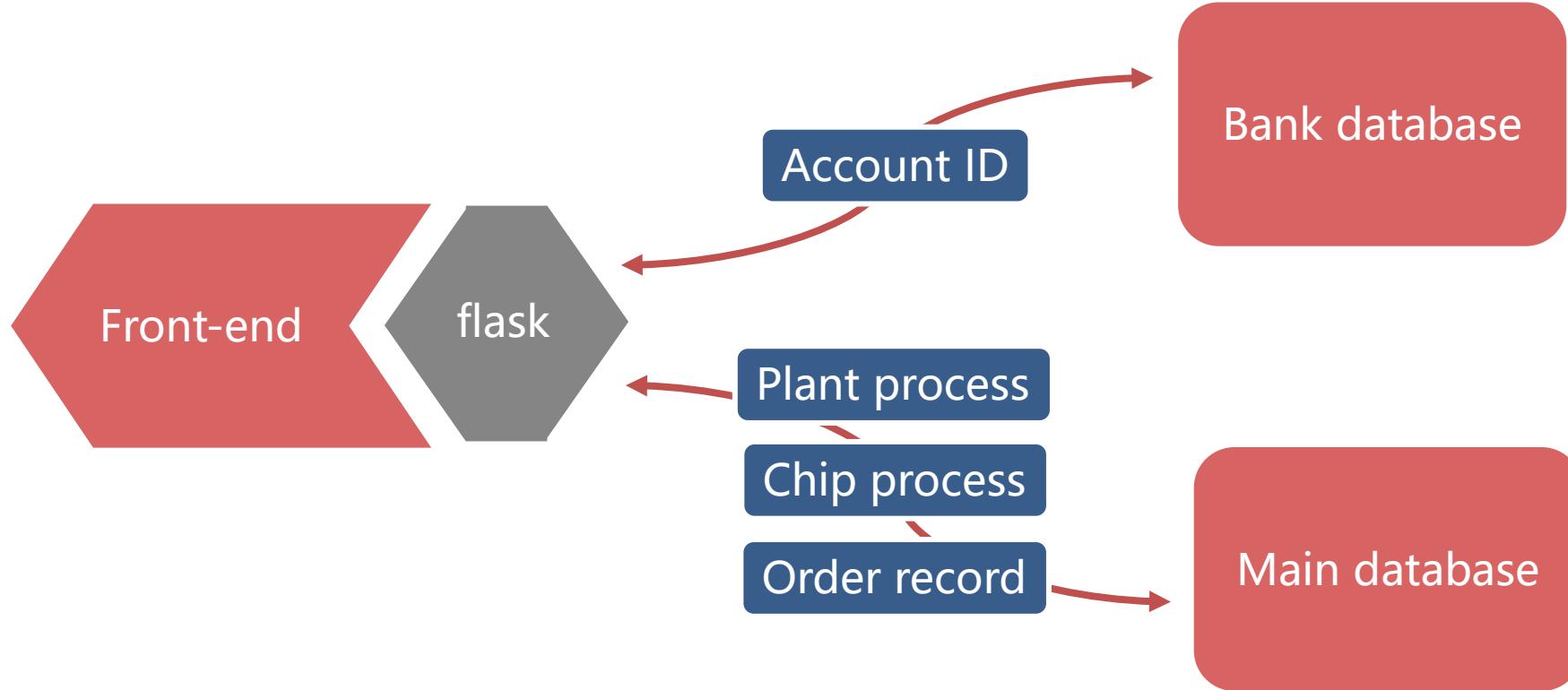


System Front-End and Back-end

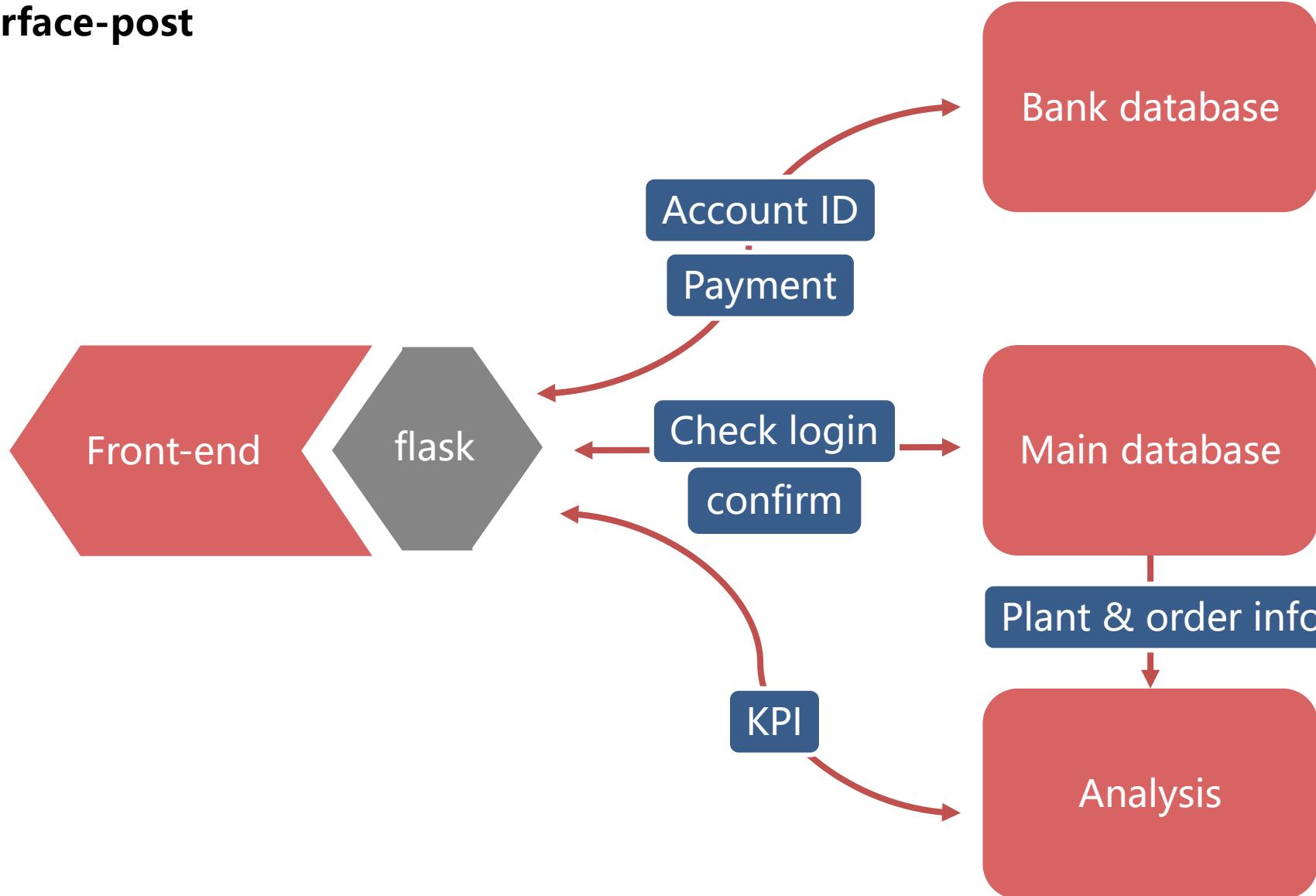
Real-time Demonstration



Interface-get



Interface-post

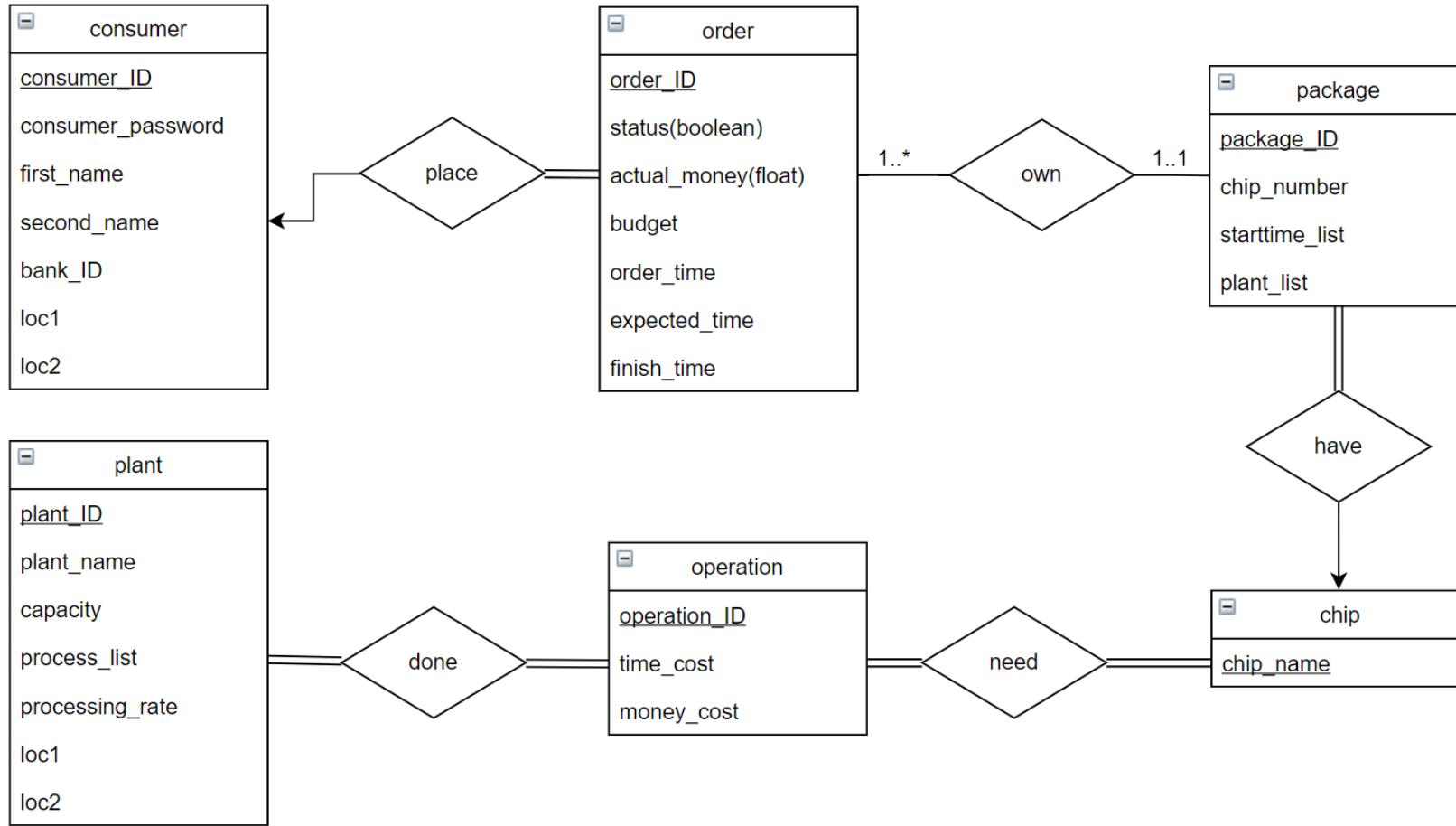


03

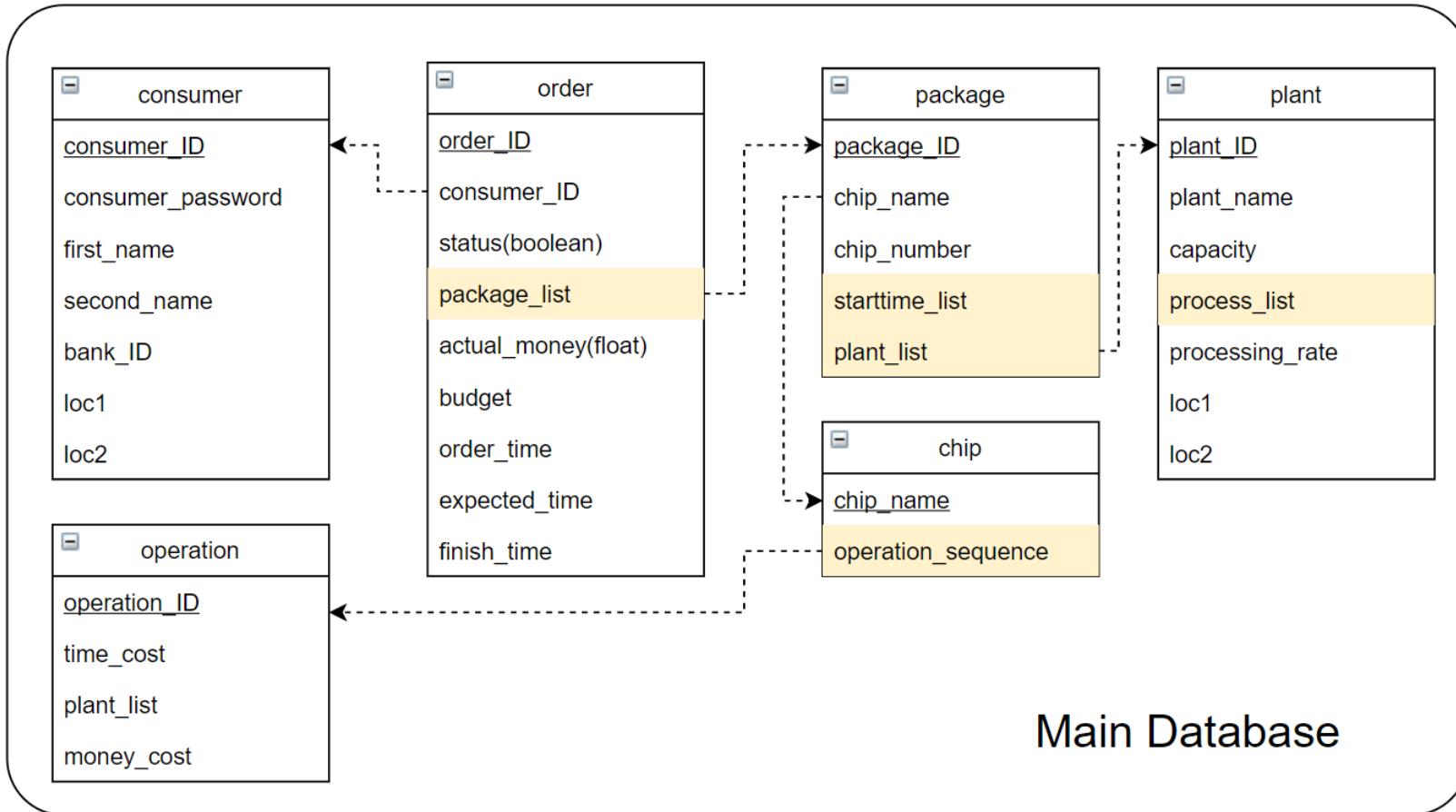
START

Database Design

ER Diagram of main database



Relation Schema of databases



Bank Database

Bank
Account_ID
Account_Balance

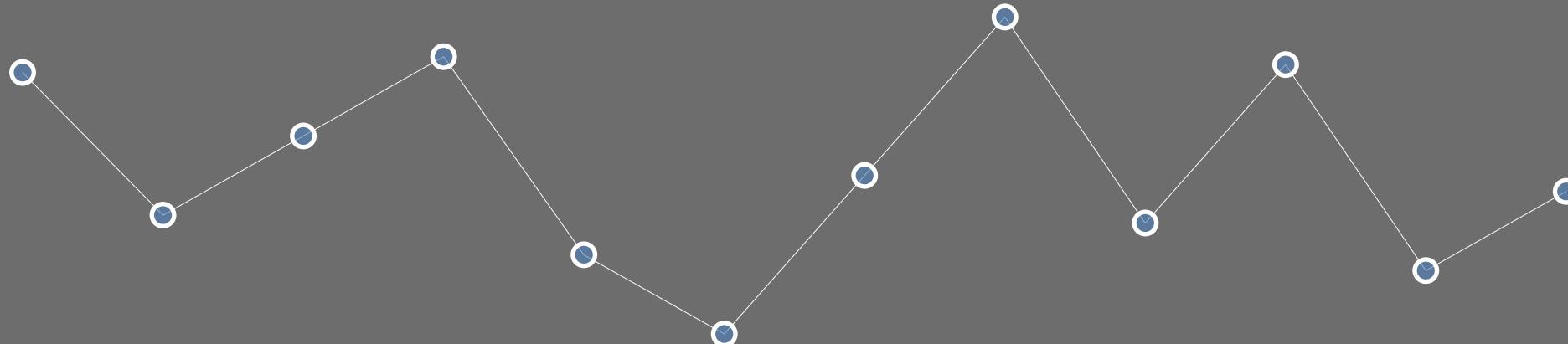
3 System back-end

Why no foreign key and normalization?

For the sake of the analysis and the front end!

No need for natural join

No need for foreign constraint



04

START

Target Analysis

Target Analysis 5



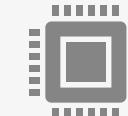
order



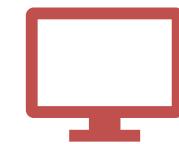
Production
plan



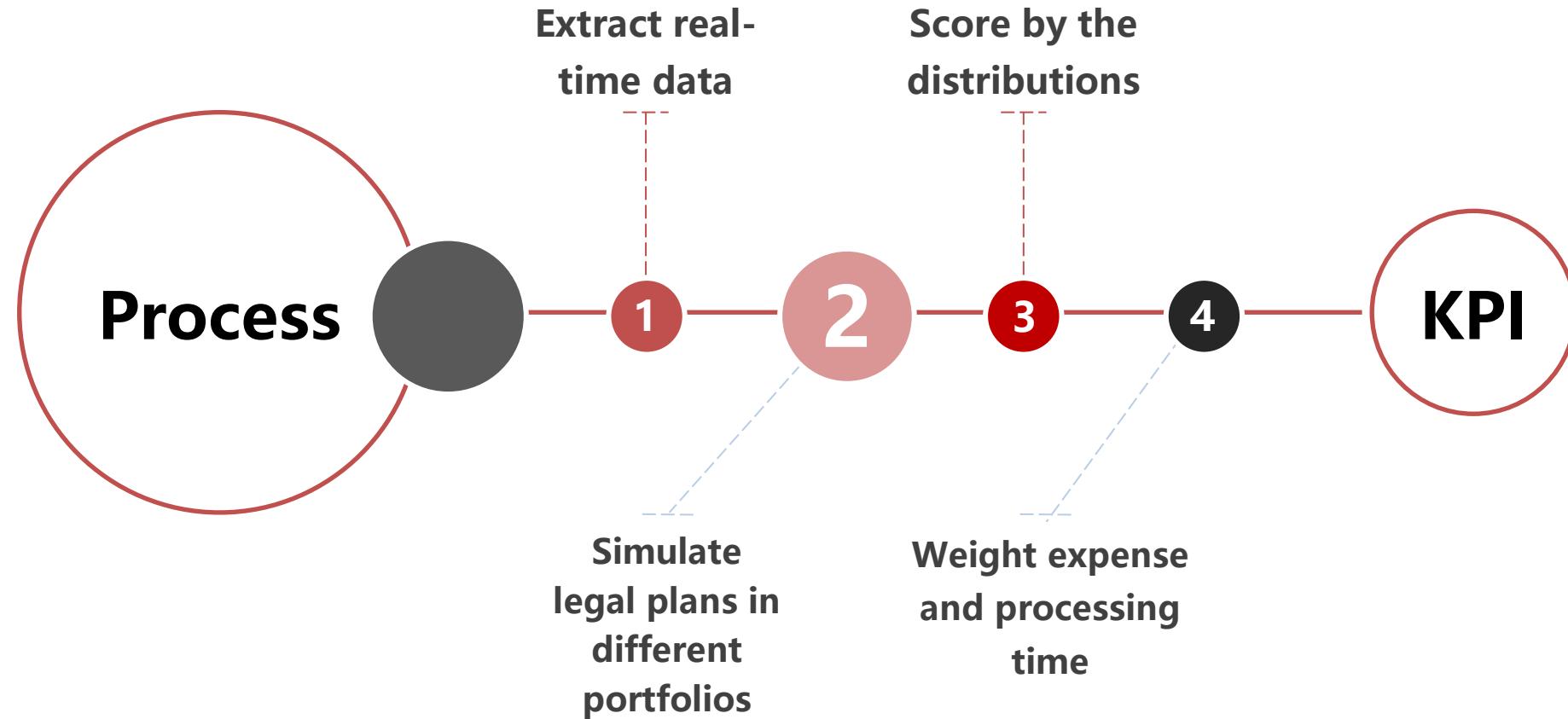
Plants'
appointment



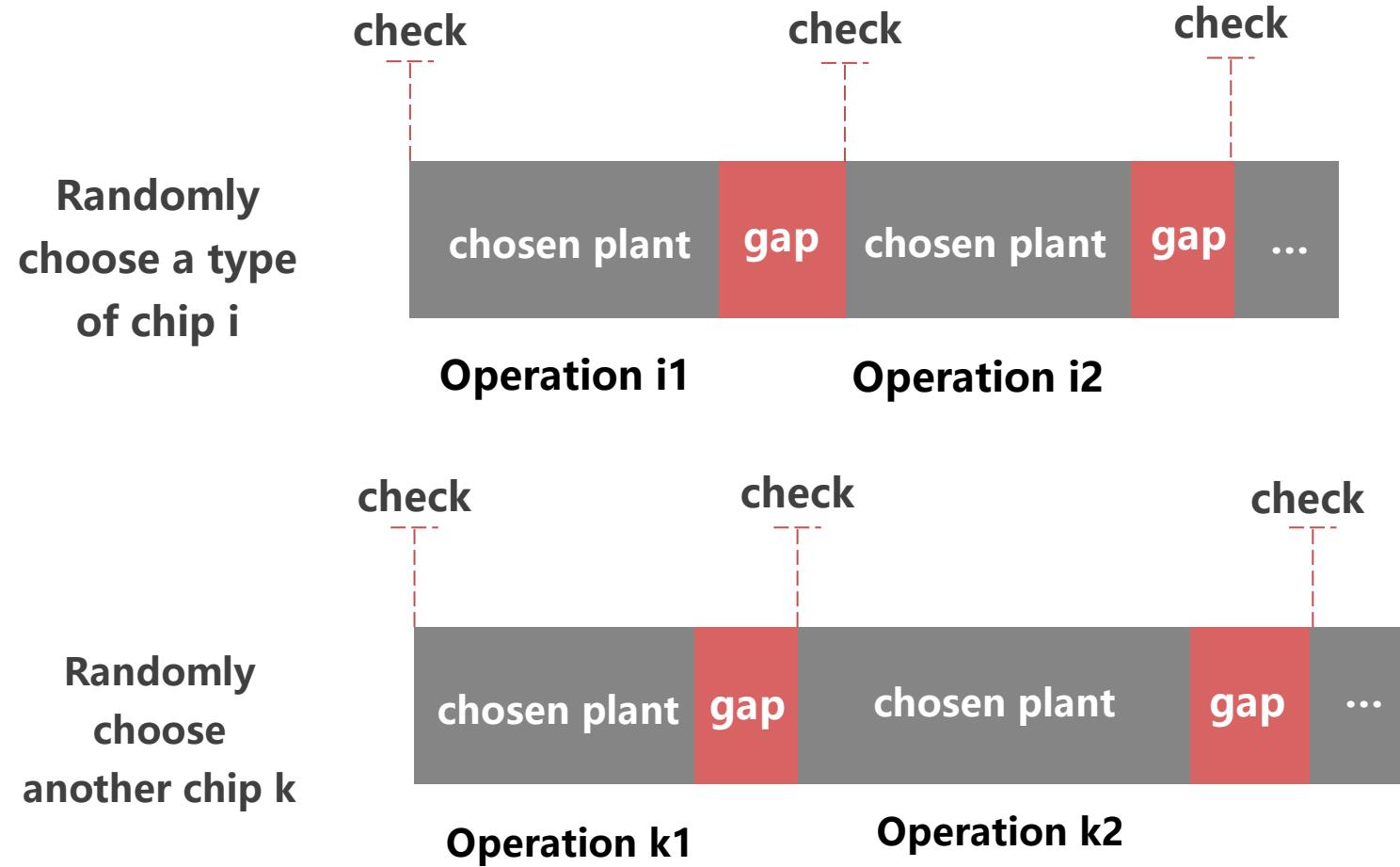
Chip
information



Main
Database

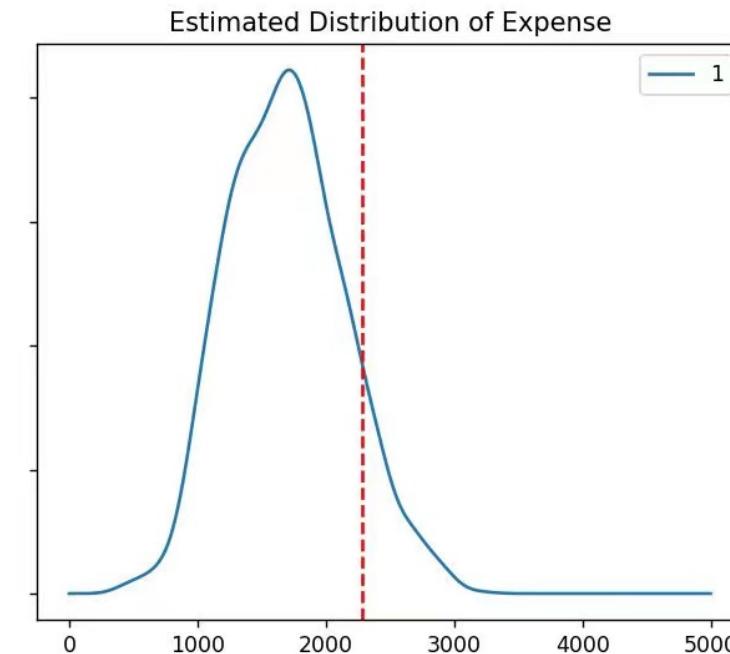
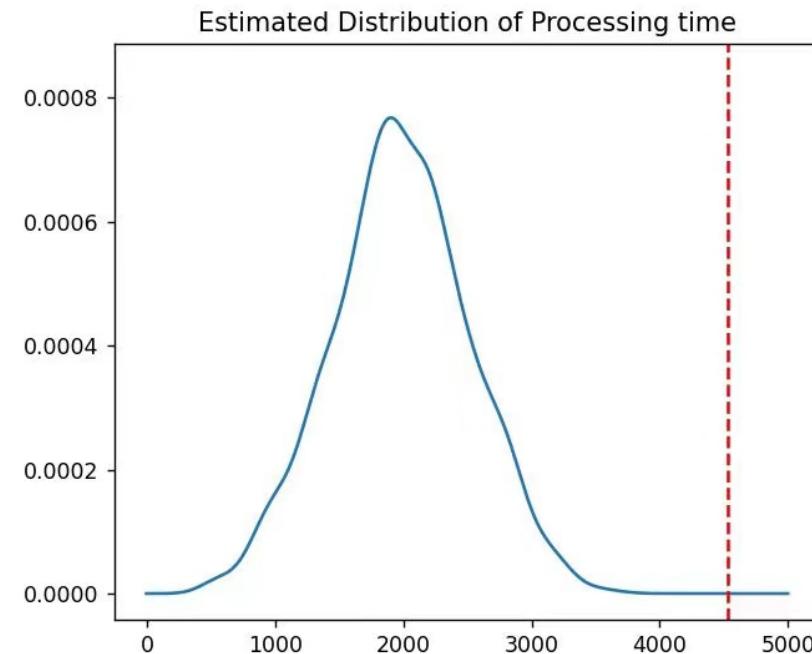


Simulation



Legal Plan Distribution

Utilization of Kernel Density Estimation (KDE)



2022

Thanks For Listening

END