

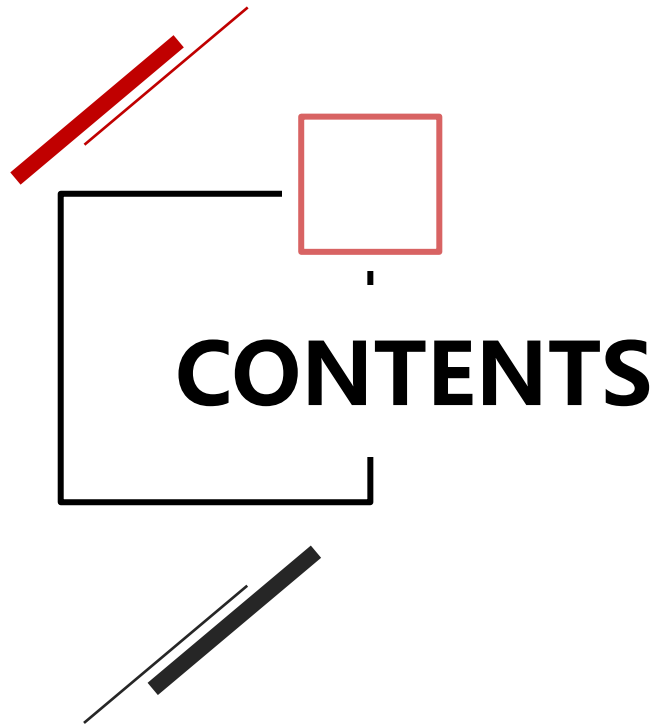


2022

Order Your Chip

CSC3170 Report

AMDIVIA



[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

Two vertical lines on each side, one red and one light red.

01

A square frame composed of two concentric lines, one black and one gray.

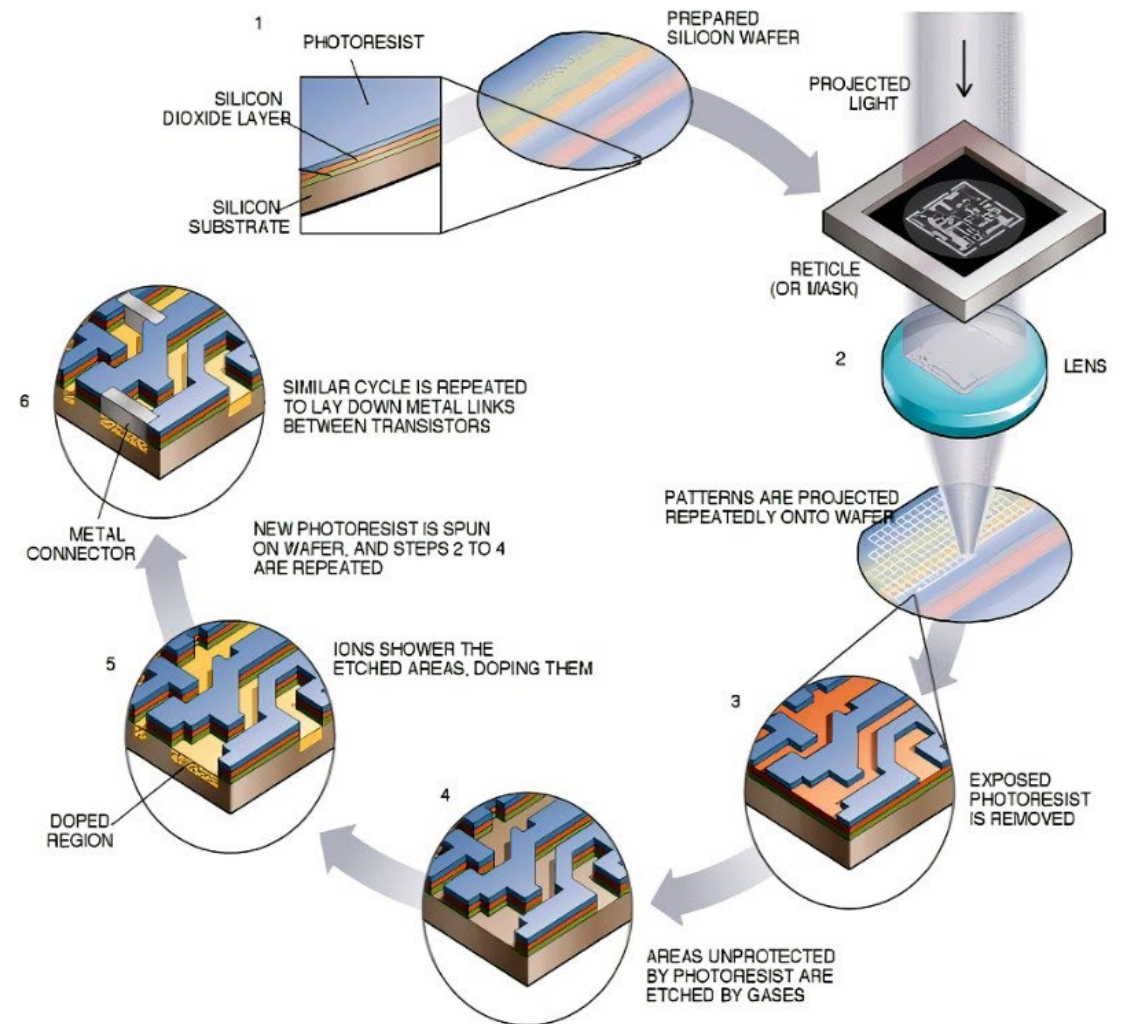
START

Four diagonal lines, two black and two red, crossing the word 'Introduction' at its corners.

Introduction

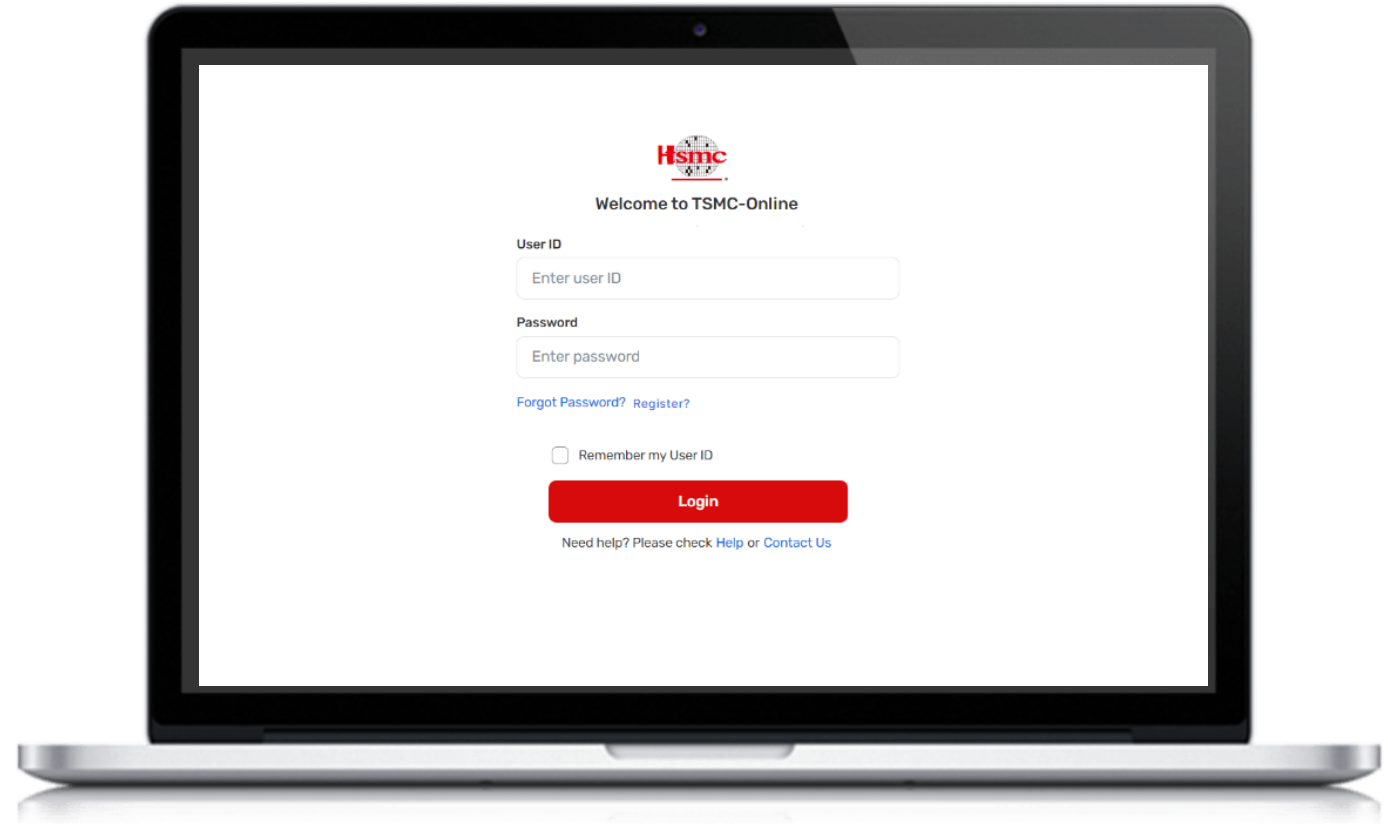
Is these your concerns?

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

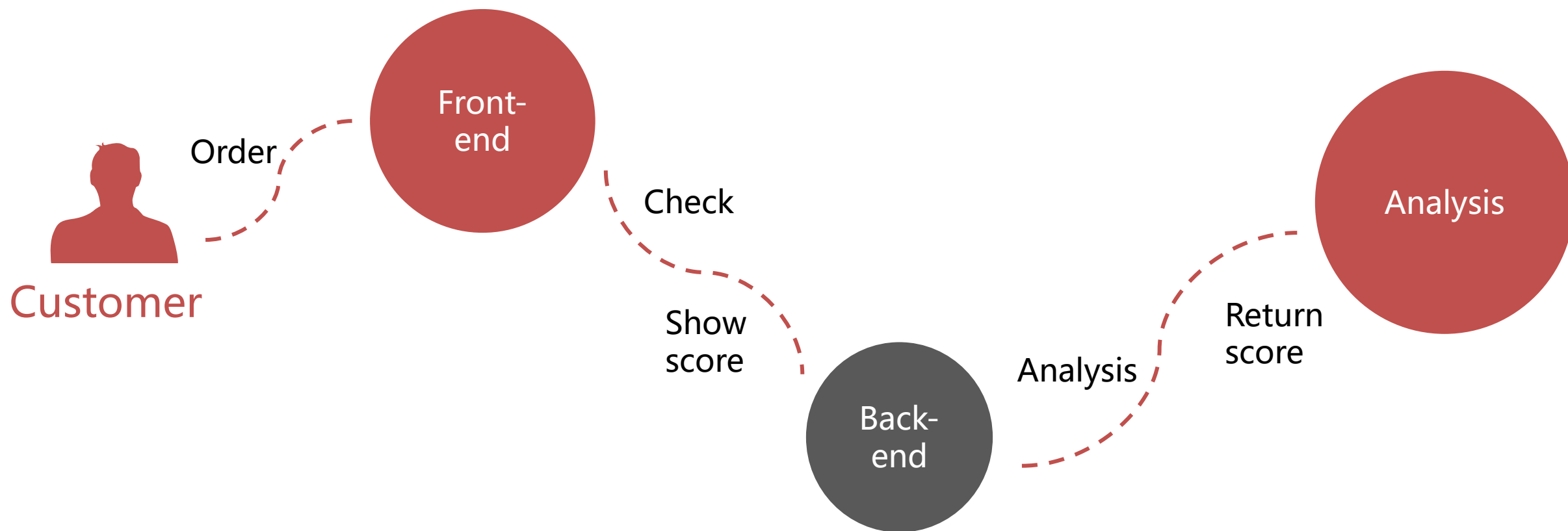


What do we offer?

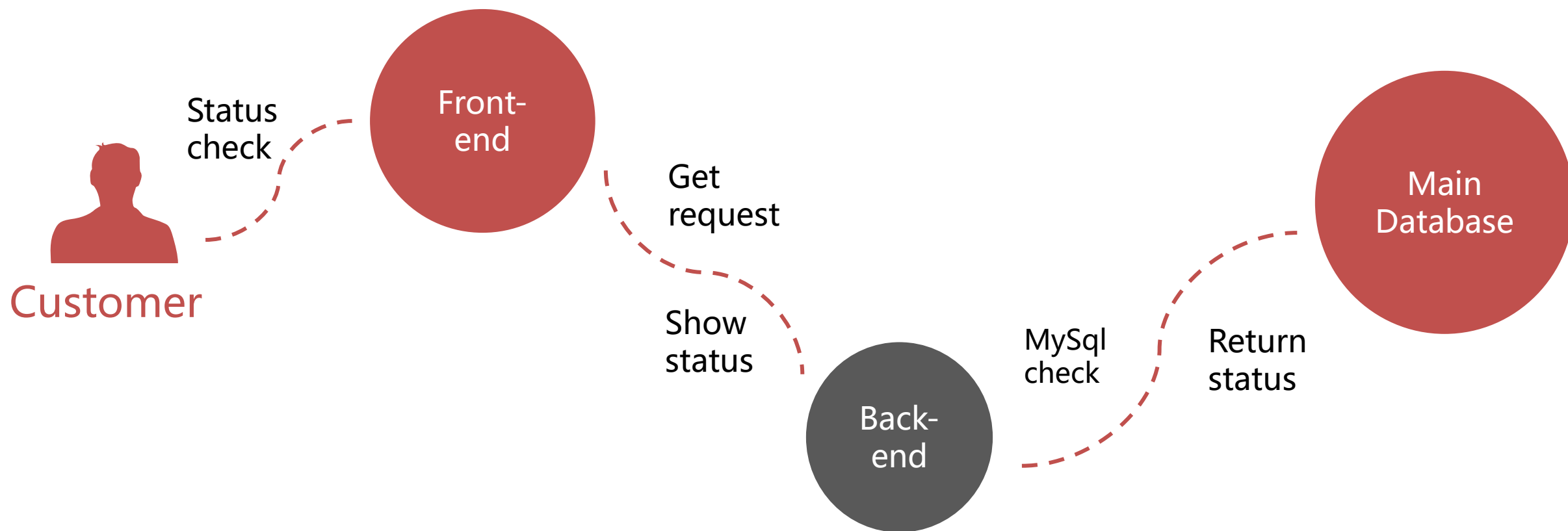
- Information of **200** plants
- **Auto-test** for your decision
- Convenient payment with bank account



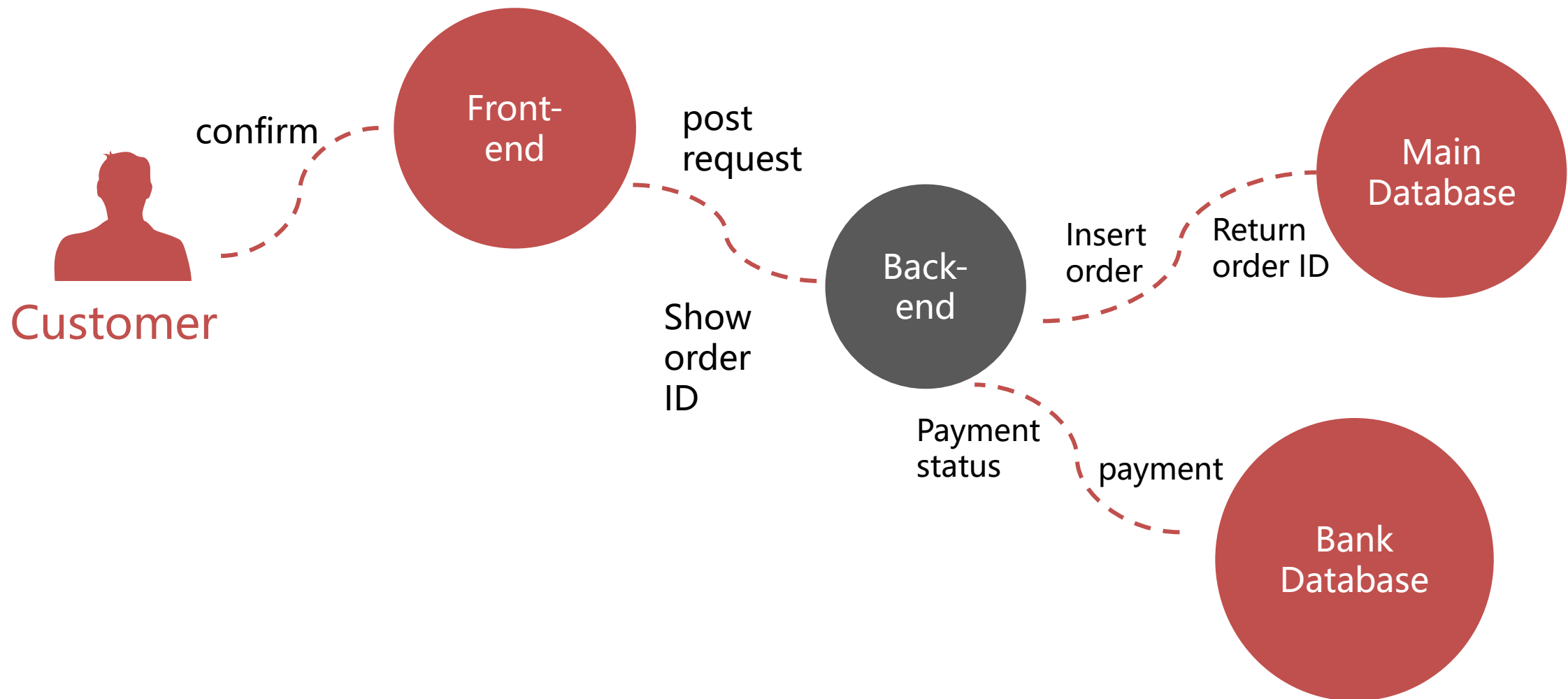
1 Data Flow – Check the decision



1 Data Flow – Check chip/order status



1 Data Flow – commit order





02



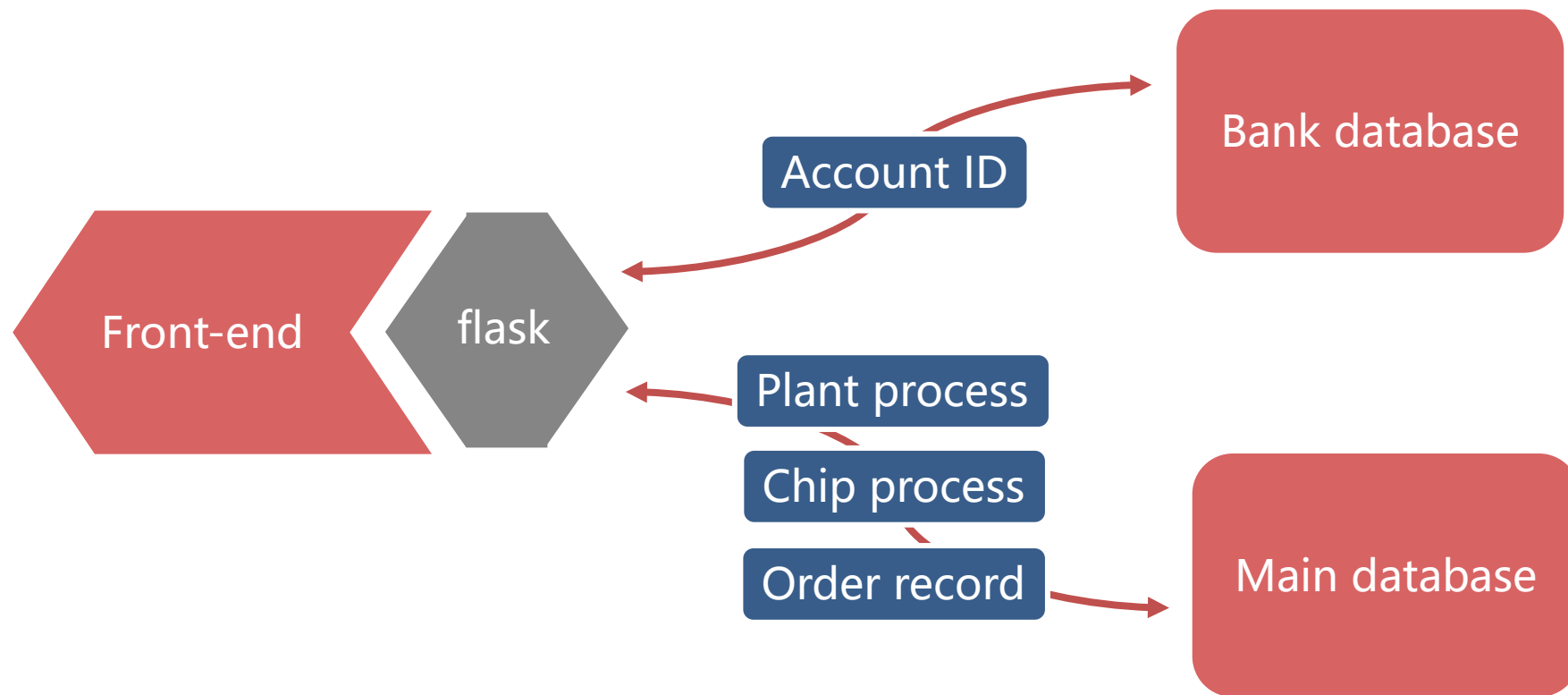
START



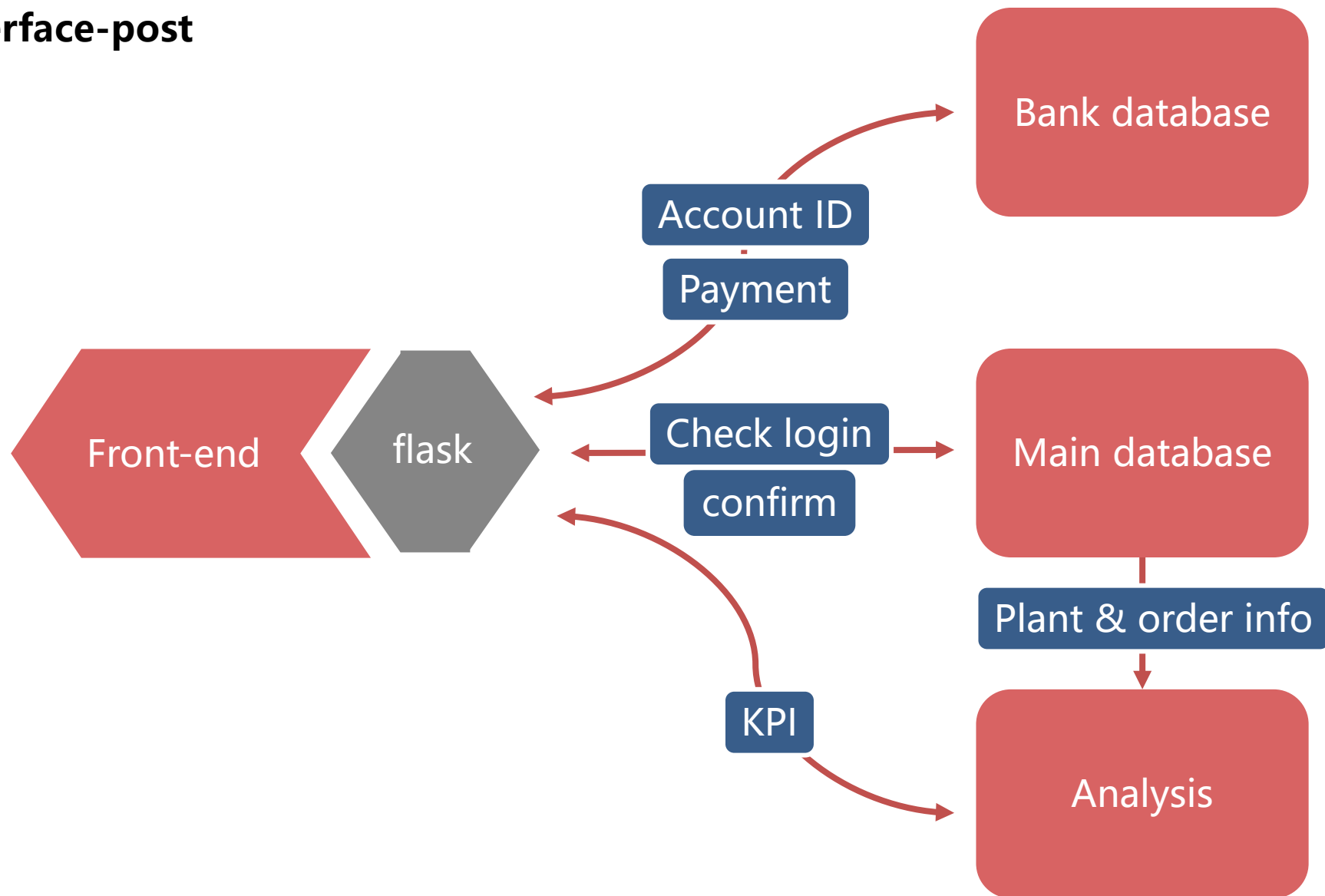
System Front-End and Back-end

Real-time Demonstration

Interface-get



Interface-post





03

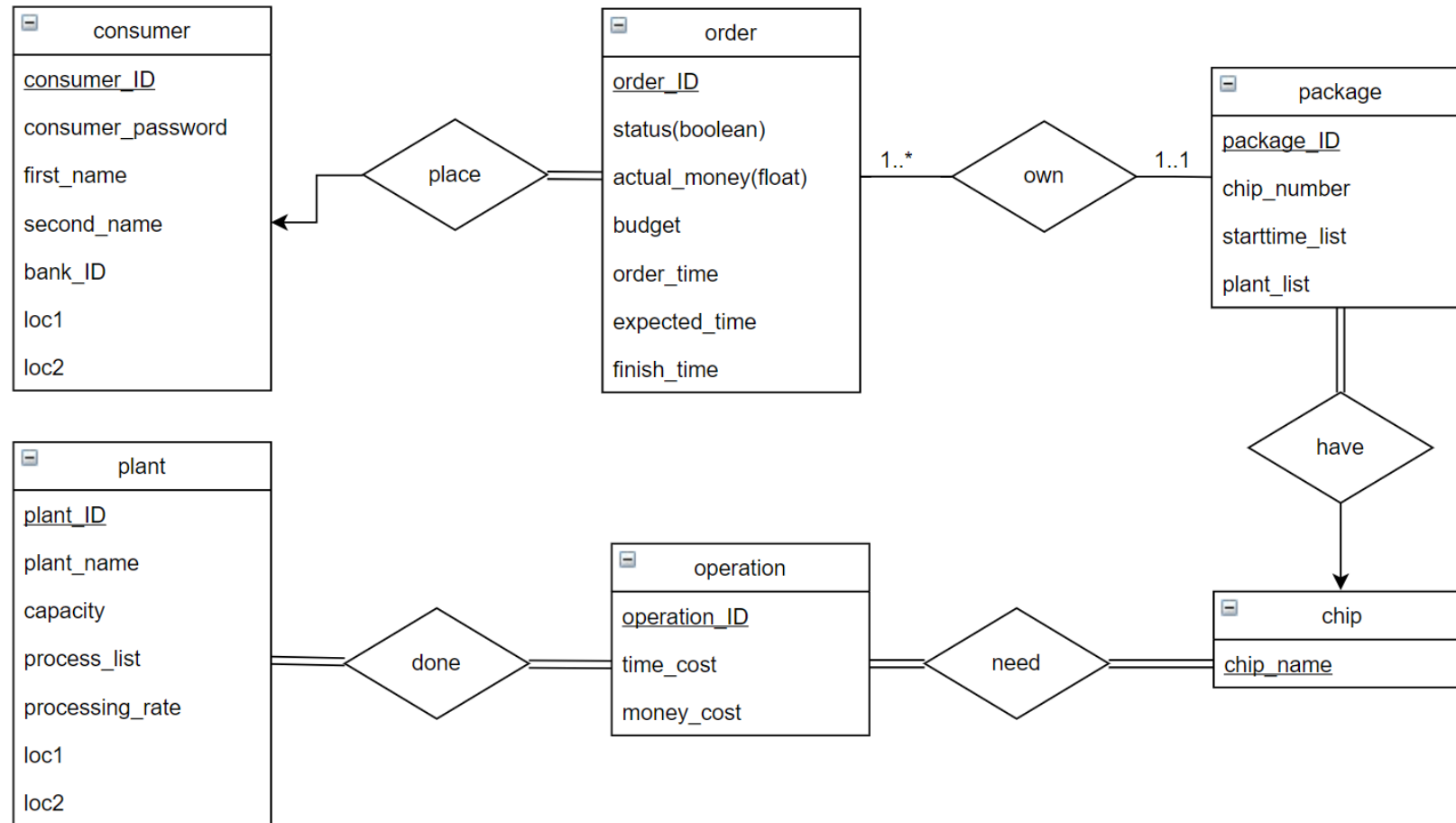


START

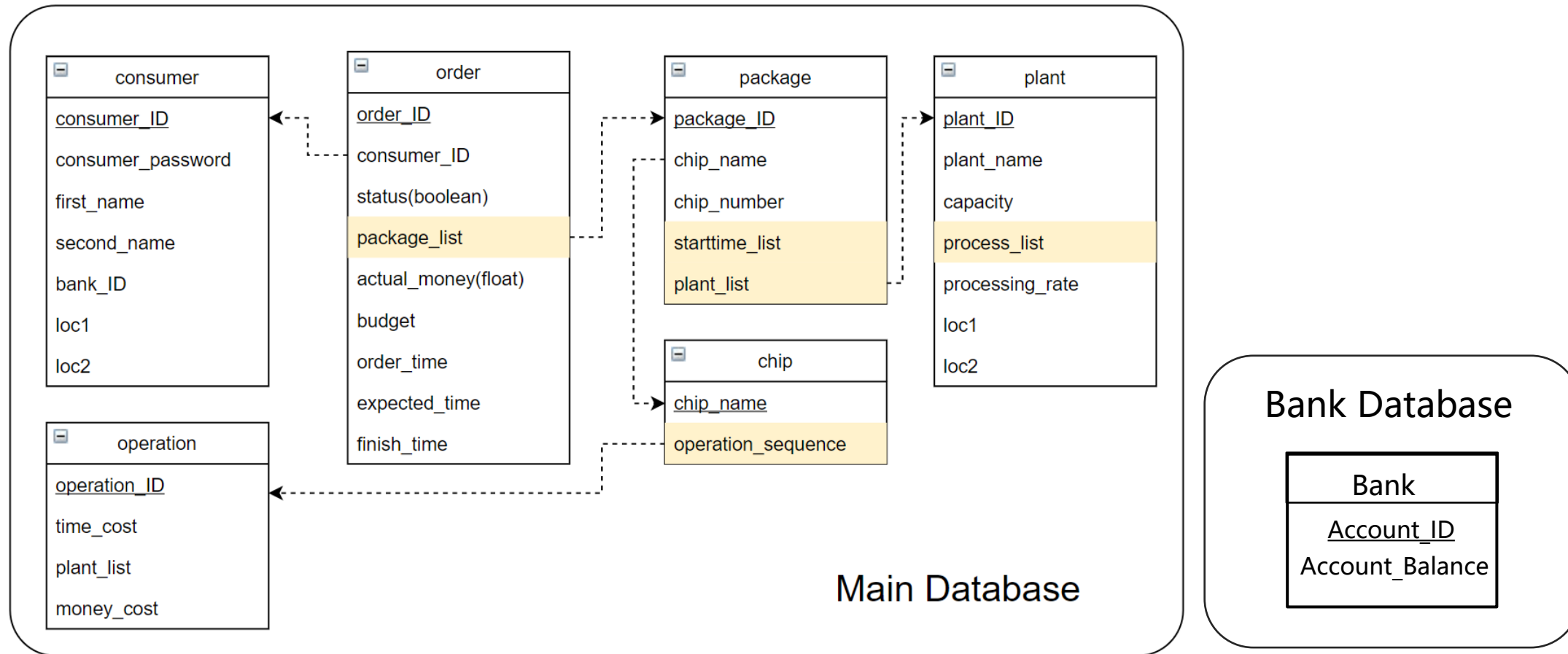


Database Design

ER Diagram of main database



Relation Schema of databases



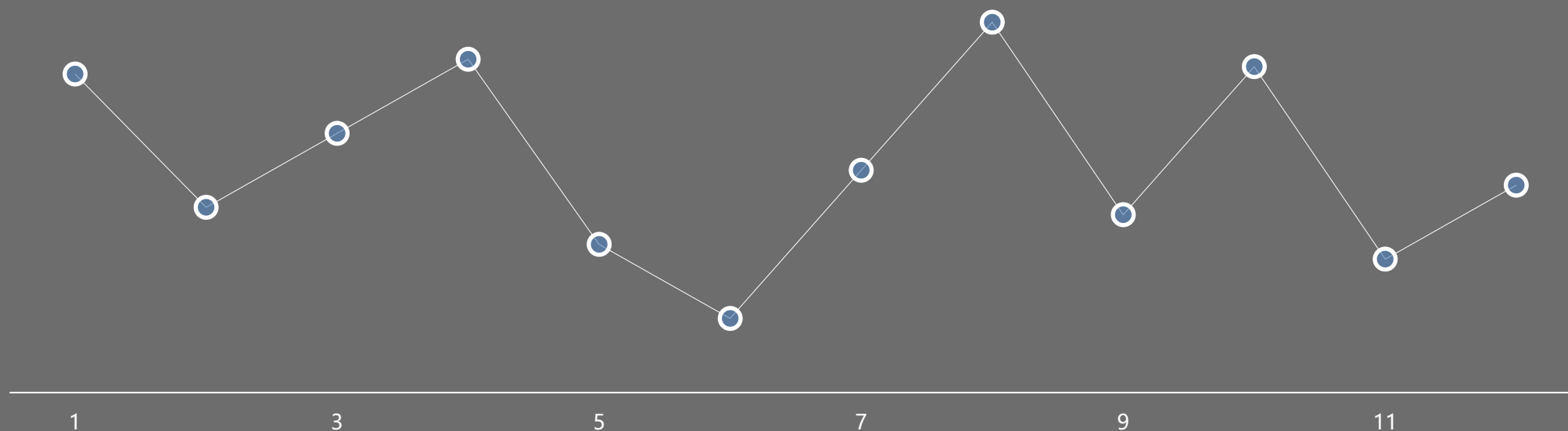
3 System back-end

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



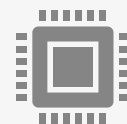
order



Production
plan



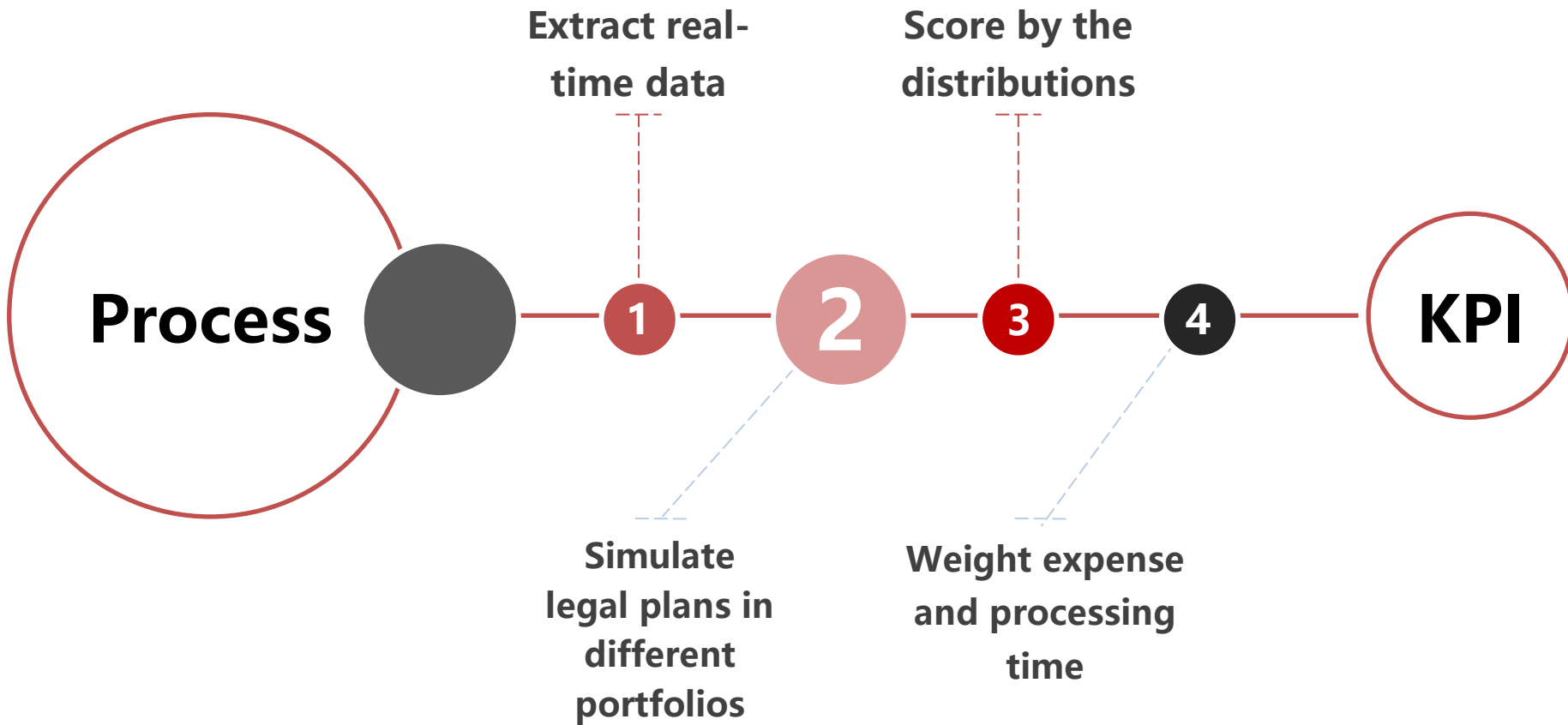
Plants'
appointment



Chip
information

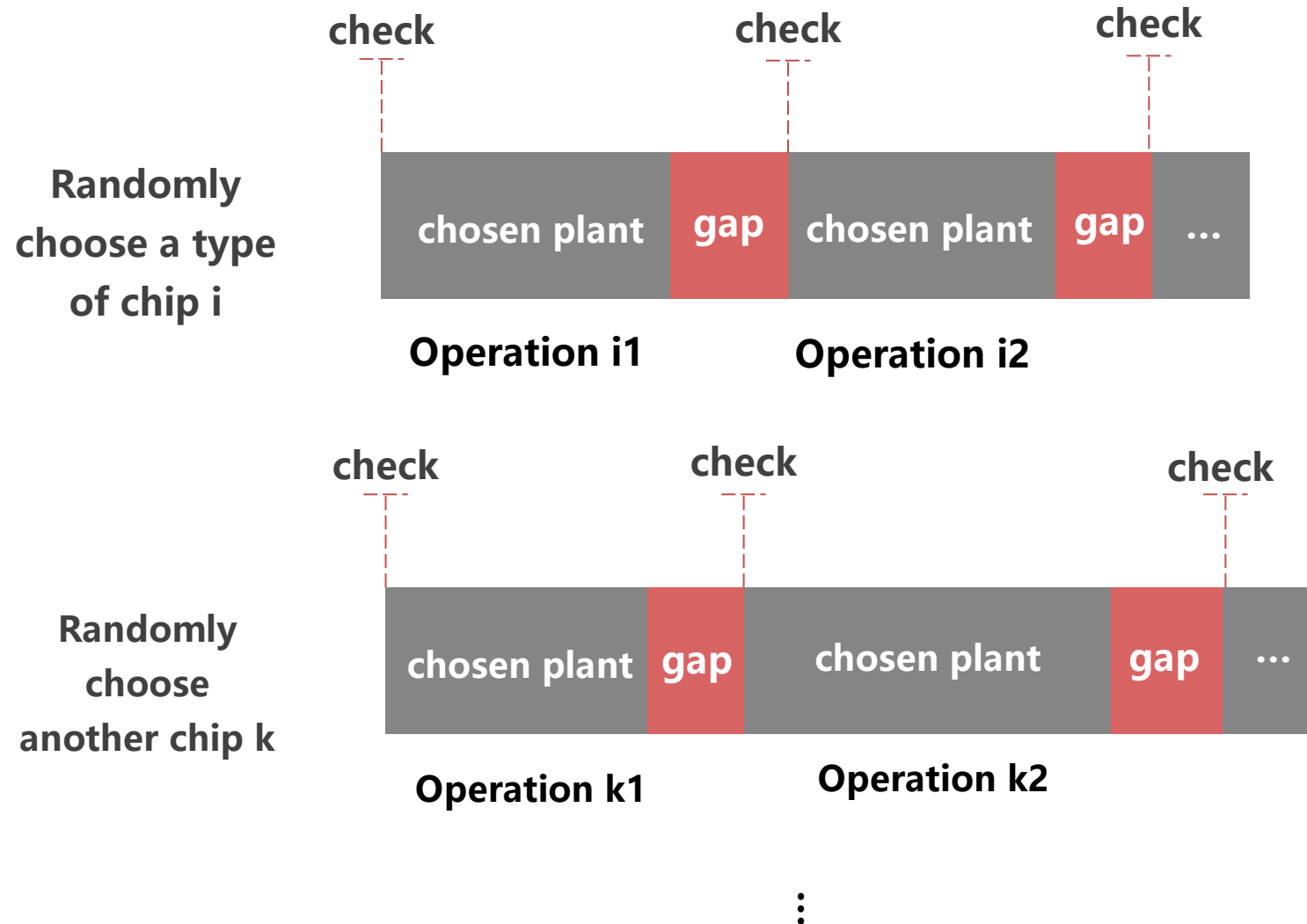


Main
Database



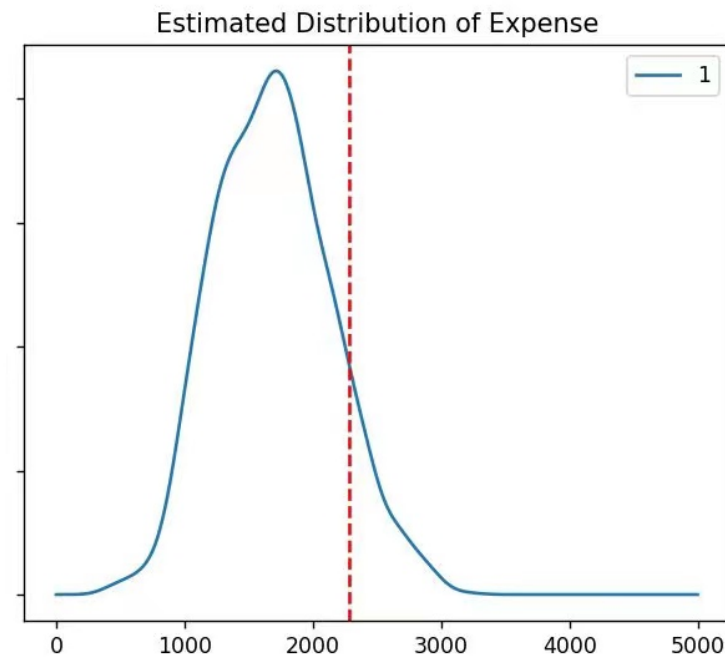
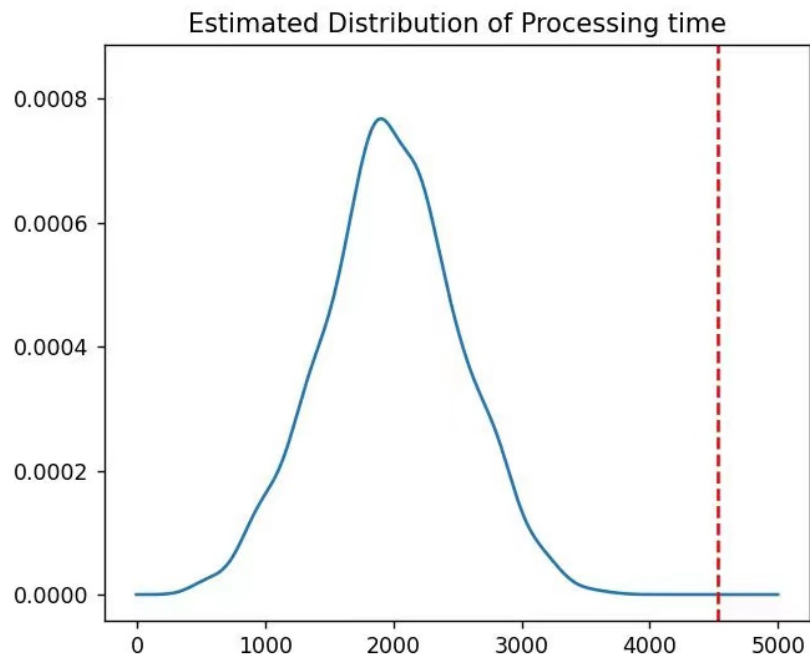
Simulation

Target Analysis **5**



Legal Plan Distribution

Utilization of Kernel Density Estimation (KDE)





2022

Thanks For Listening



END