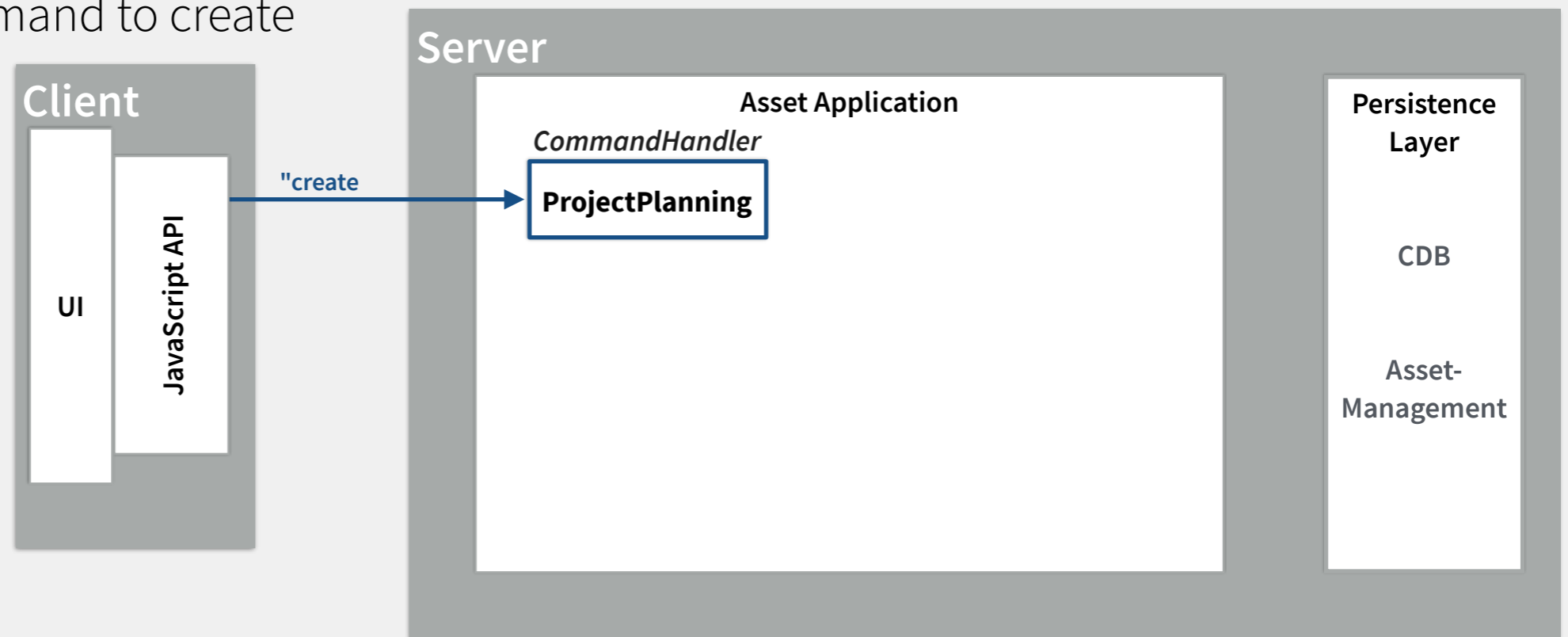# Life cycle of an Asset Application

censhare

Life cycle of an Asset Application

- Open page on client
  - Client calls command to create the application

Client

UI

JavaScript API

"create"

Server

Asset Application

CommandHandler

ProjectPlanning
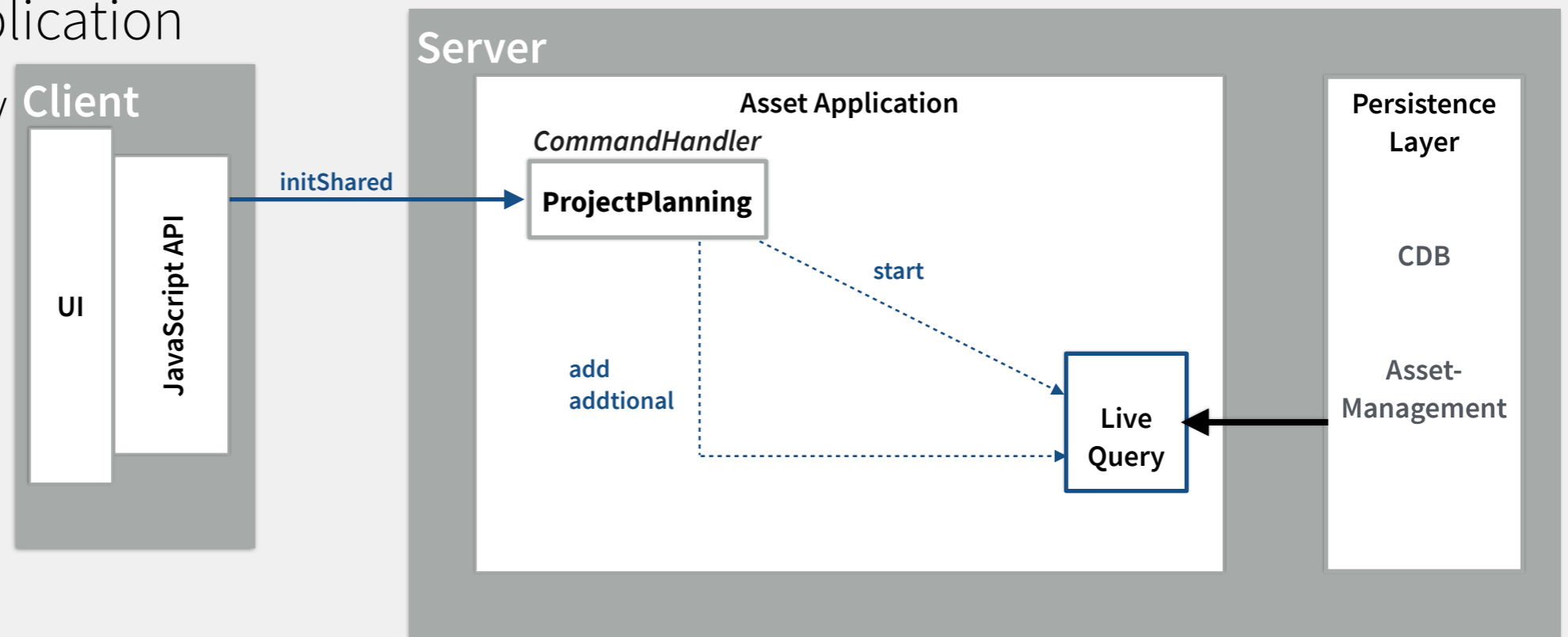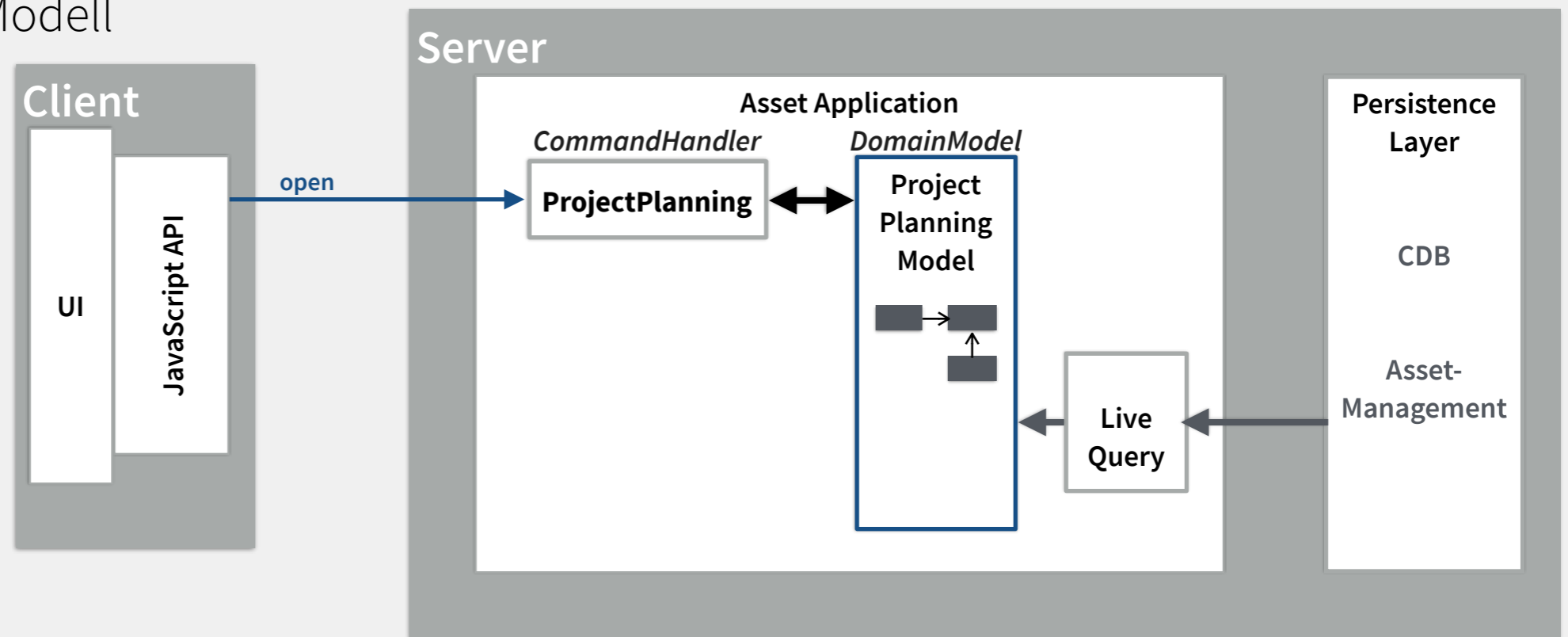
Persistence Layer

CDB

Asset-Management

Life cycle of an Asset Application

- Client calls method to
  initialize the application
  - Starts Live Query

Client

UI

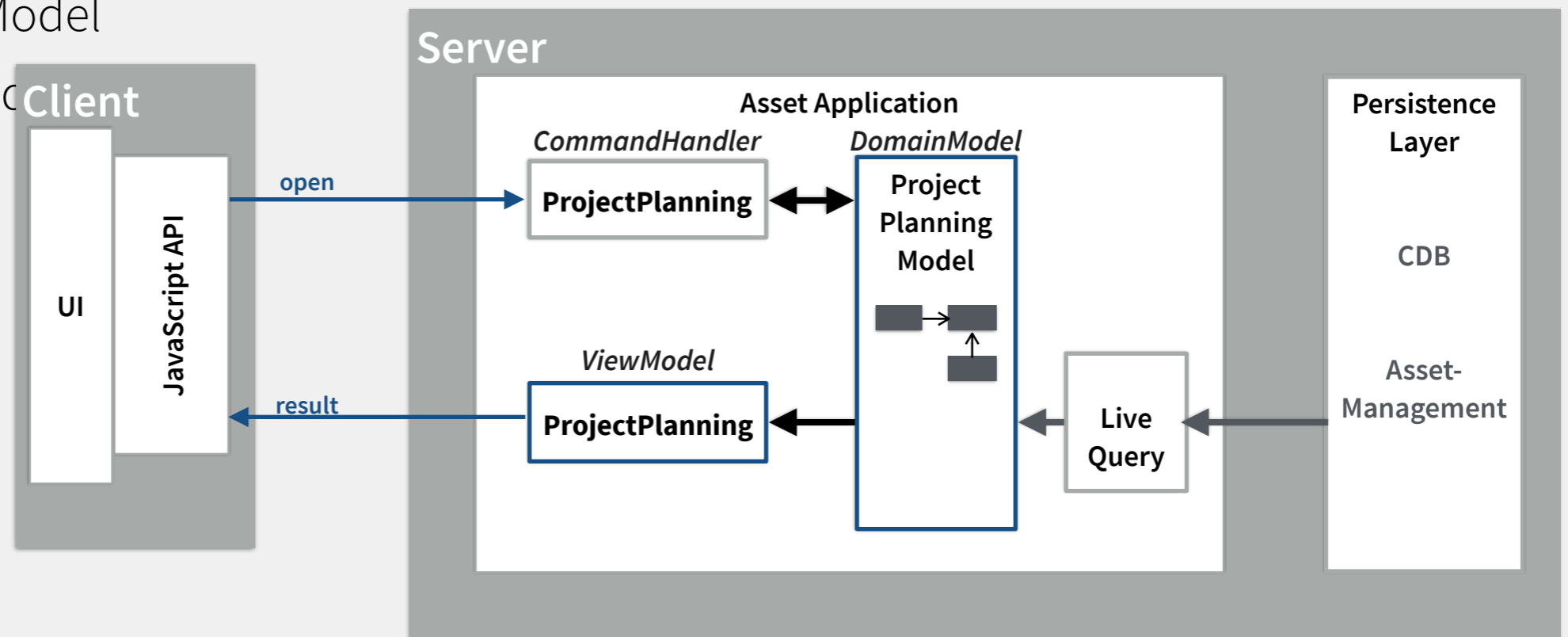JavaScript API

Server

Asset Application

CommandHandler

ProjectPlanning

initShared

start

add
addtional

Live
Query

**Persistence
Layer**

CDB

Asset-
Management

censhare

Life cycle of an Asset Application

- Client calls method "open":
  - Builds Domain Modell

Server

Client

Asset Application

CommandHandler   *DomainModel*

| UI | JavaScript API |

open →

ProjectPlanning ⬌ **Project Planning Model**

Live Query

Persistence Layer

CDB

Asset-Management

censhare

Life cycle of an Asset Application

- Client calls method "open":
  - Builds Domain Model
  - Returns View Model

Server

Client

UI

JavaScript API

open

result

Asset Application

CommandHandler

ProjectPlanning

DomainModel

Project Planning Model

ViewModel

ProjectPlanning

Live Query

Persistence Layer

CDB

Asset-Management

censhare

Life cycle of an Asset Application

- Client calls Business Logic methods
  - Changes Domain
  - Changes Assets

Client

Server

UI

JavaScript API

createDependenc

Asset Application

CommandHandler

ProjectPlanning

DomainModel

Project Planning Model

Live Query

Persistence Layer

CDB

Asset-Management

censhare

6
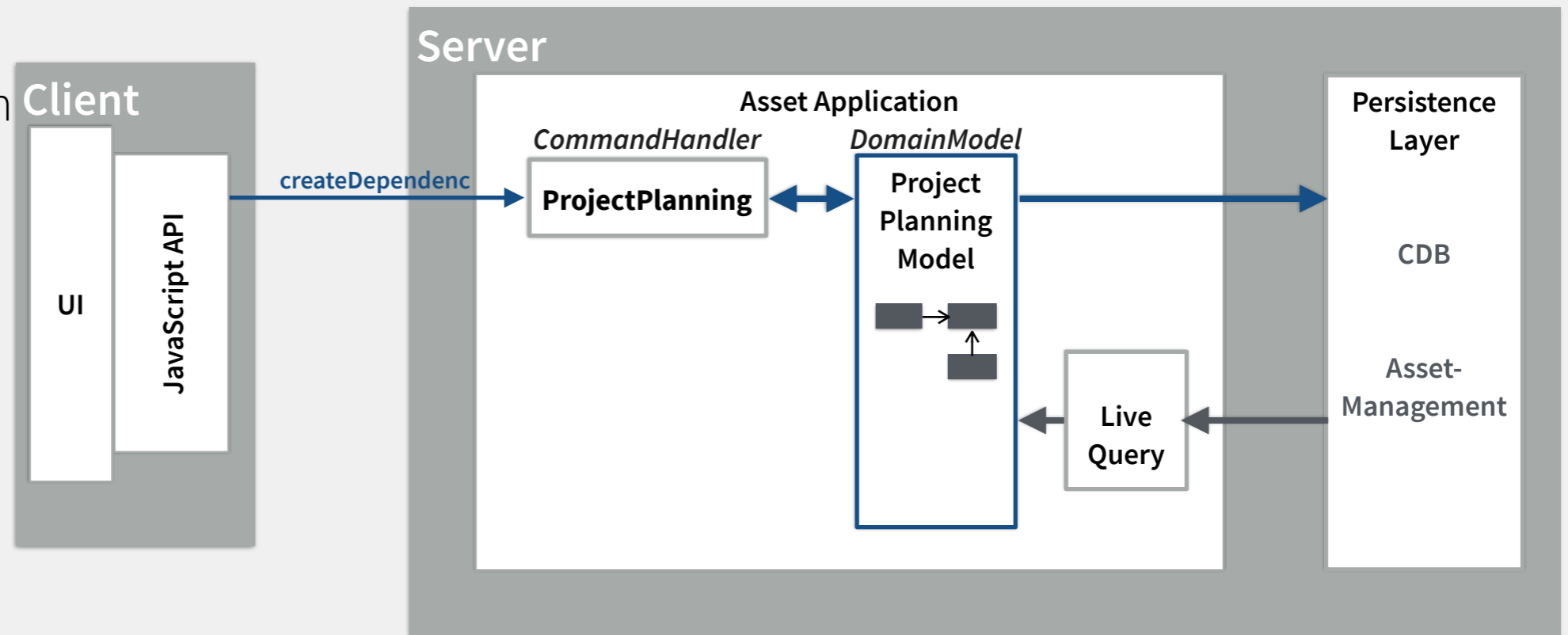
Life cycle of an Asset Application

- Client calls Business Logic methods
  - Changes Domain
  - Changes Assets
  - Returns new View Model

Server

Client

Asset Application

CommandHandler

ProjectPlanning

DomainModel

Project Planning Model

Persistence Layer

CDB

Asset-Management

UI

JavaScript API

createDependenc

ViewModel

ProjectPlanning

result
(view model

Live Query
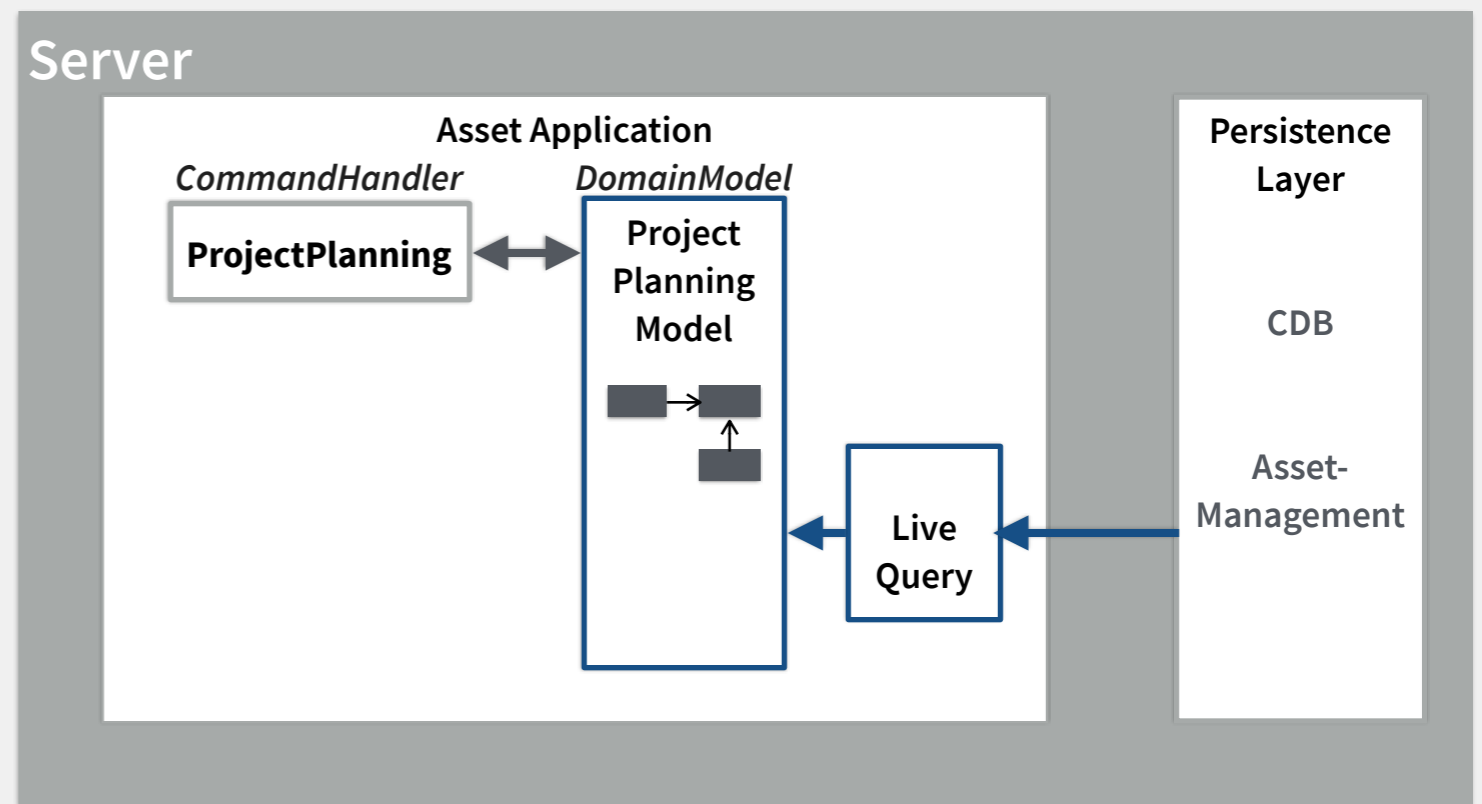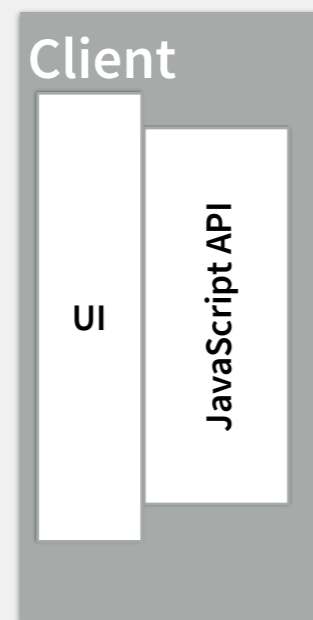
censhare
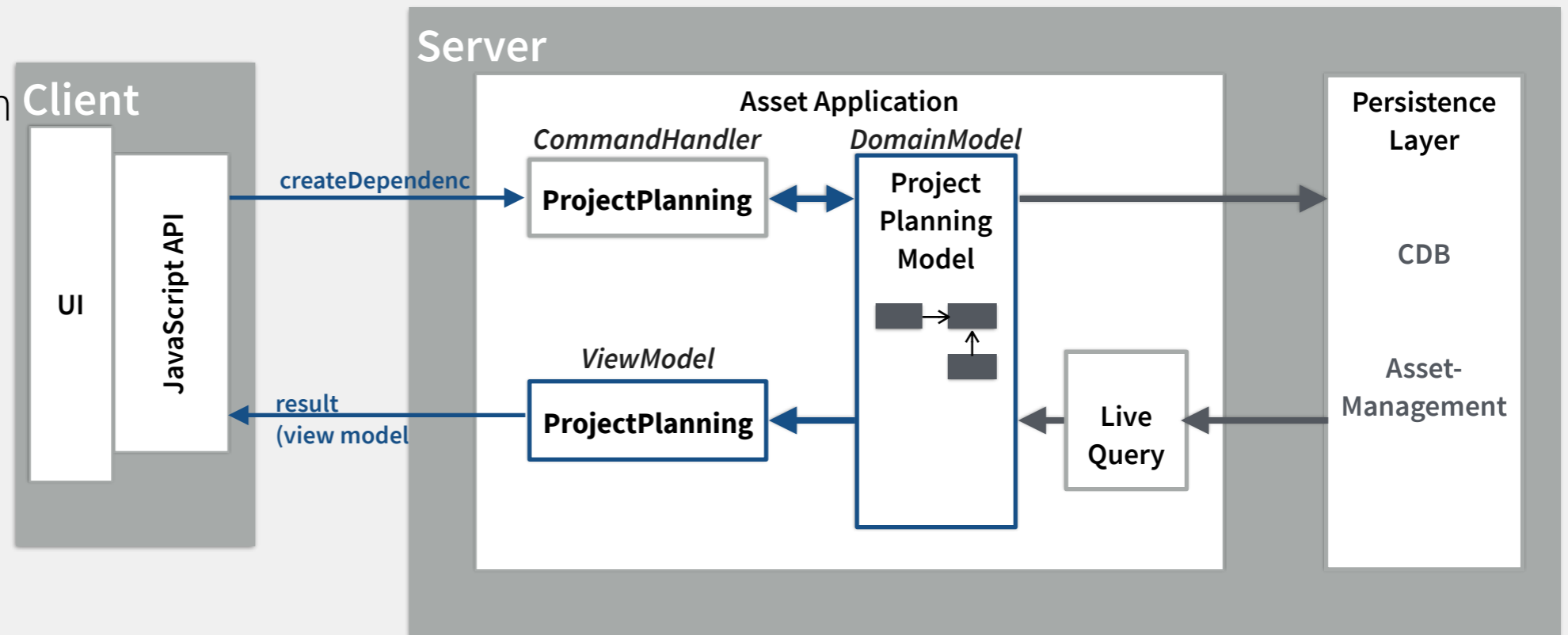
Life cycle of an Asset Application

- Optional: For editors working on checked out version of asset
  - e.g. Layout Editor
 - (not for Project Ed
  - Asset is automati checked out
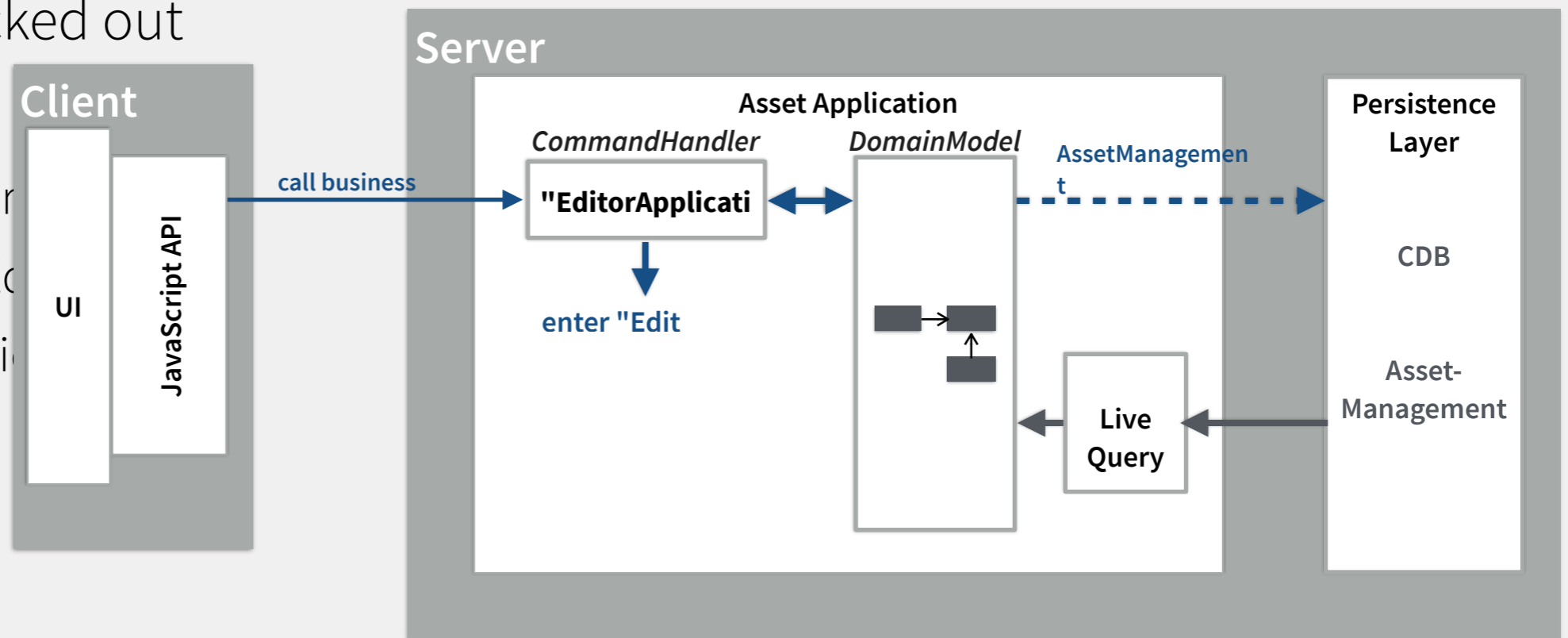
Server

Client

UI

JavaScript API

call business

Asset Application

CommandHandler

"EditorApplicati

enter "Edit

DomainModel

AssetManagemen t

Persistence Layer

CDB

Asset-Management

Live Query

censhare

Life cycle of an Asset Application

- Live query update (asset changed)
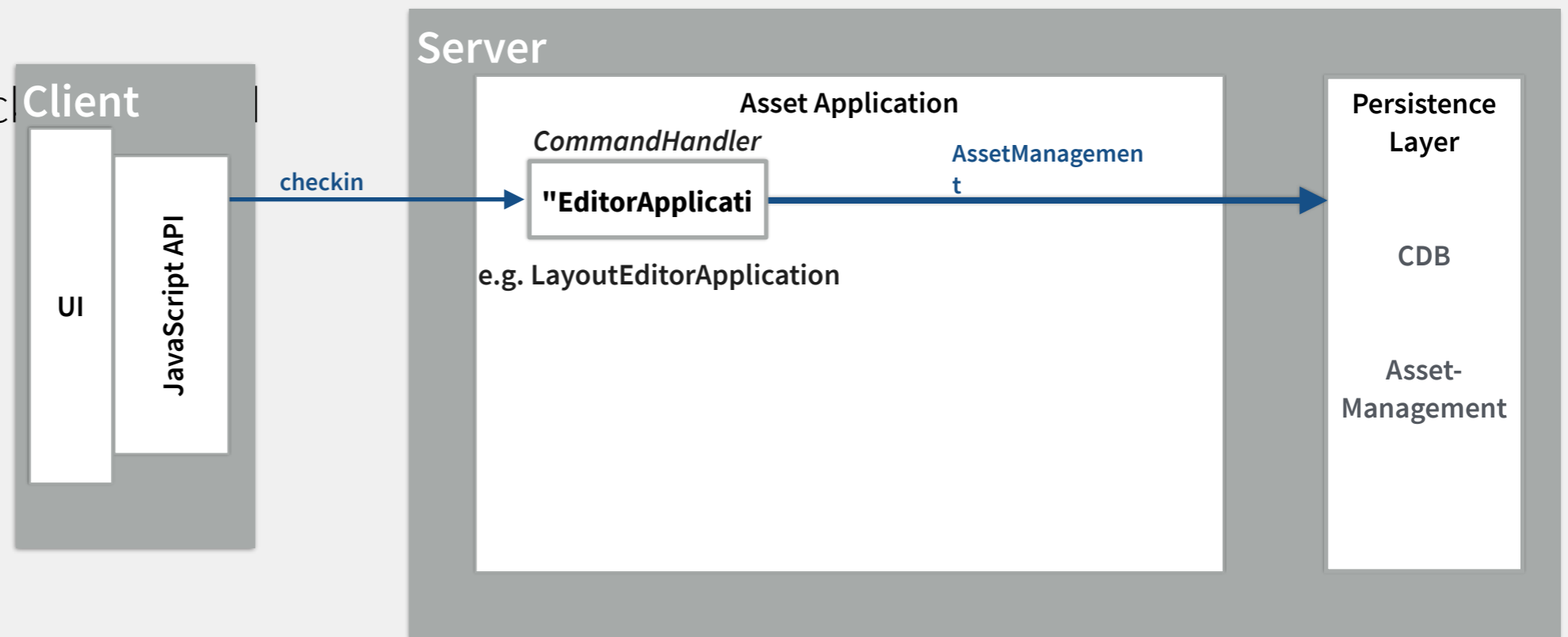
censhare

Life cycle of an Asset Application

- Live query update (asset changed)
  - New View Model client
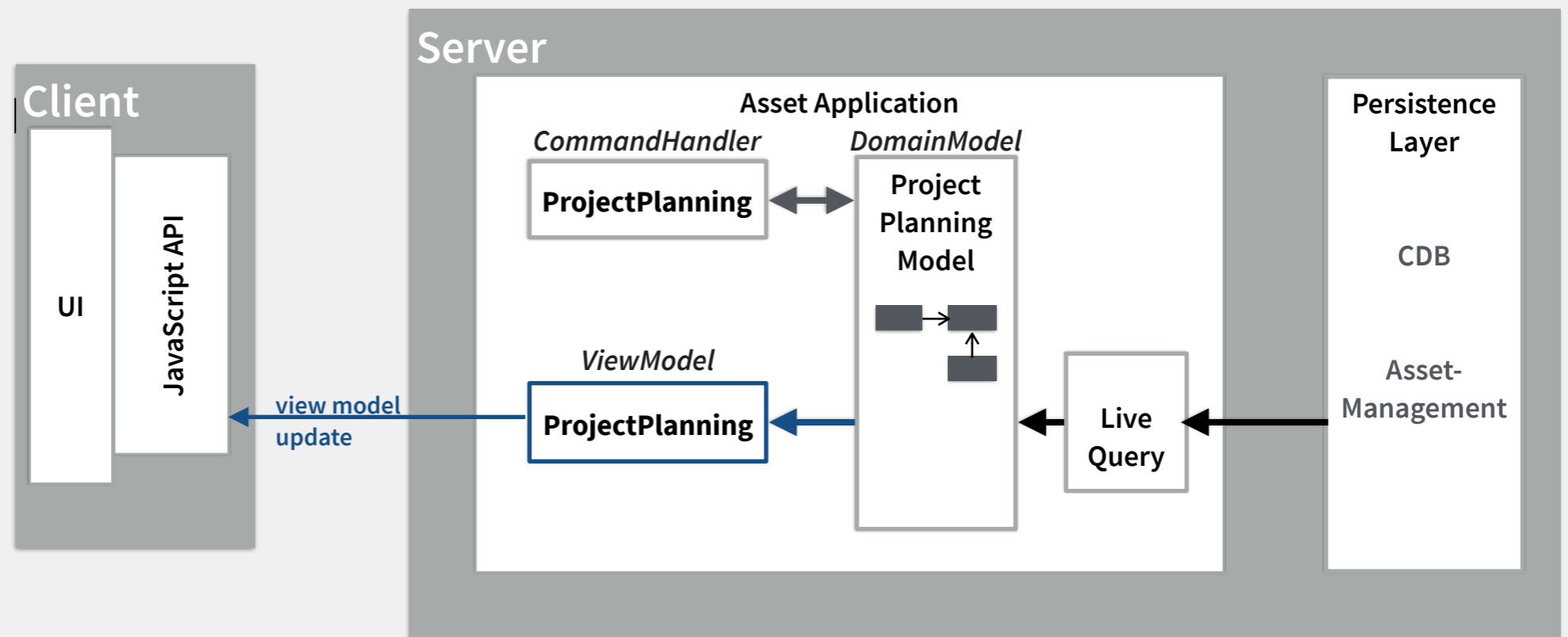
Life cycle of an Asset Application

- Optional: Editor is "saved

  and closed"

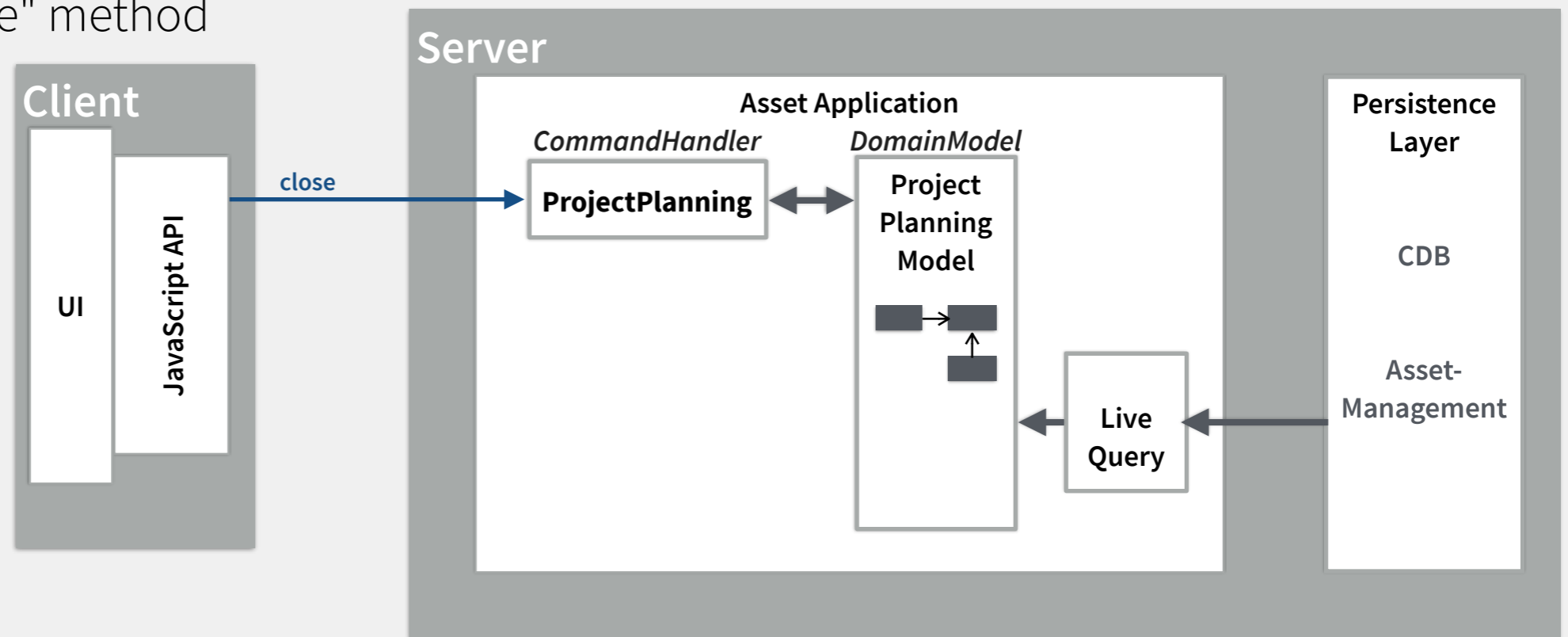 - Client calls "chec~~Client~~

Client

Server

UI

JavaScript API

checkin

Asset Application

CommandHandler

AssetManagement

"EditorApplicati

e.g. LayoutEditorApplication

Persistence Layer

CDB

Asset-Management

censhare

Life cycle of an Asset Application

- Optional: Editor is "canceled"
  - Client calls "abort" method

Client

UI

JavaScript API

abortCheckout →

Server

Asset Application

CommandHandler

"EditorApplicati

e.g. LayoutEditorApplication

AssetManagement →

Persistence Layer

CDB

Asset-Management
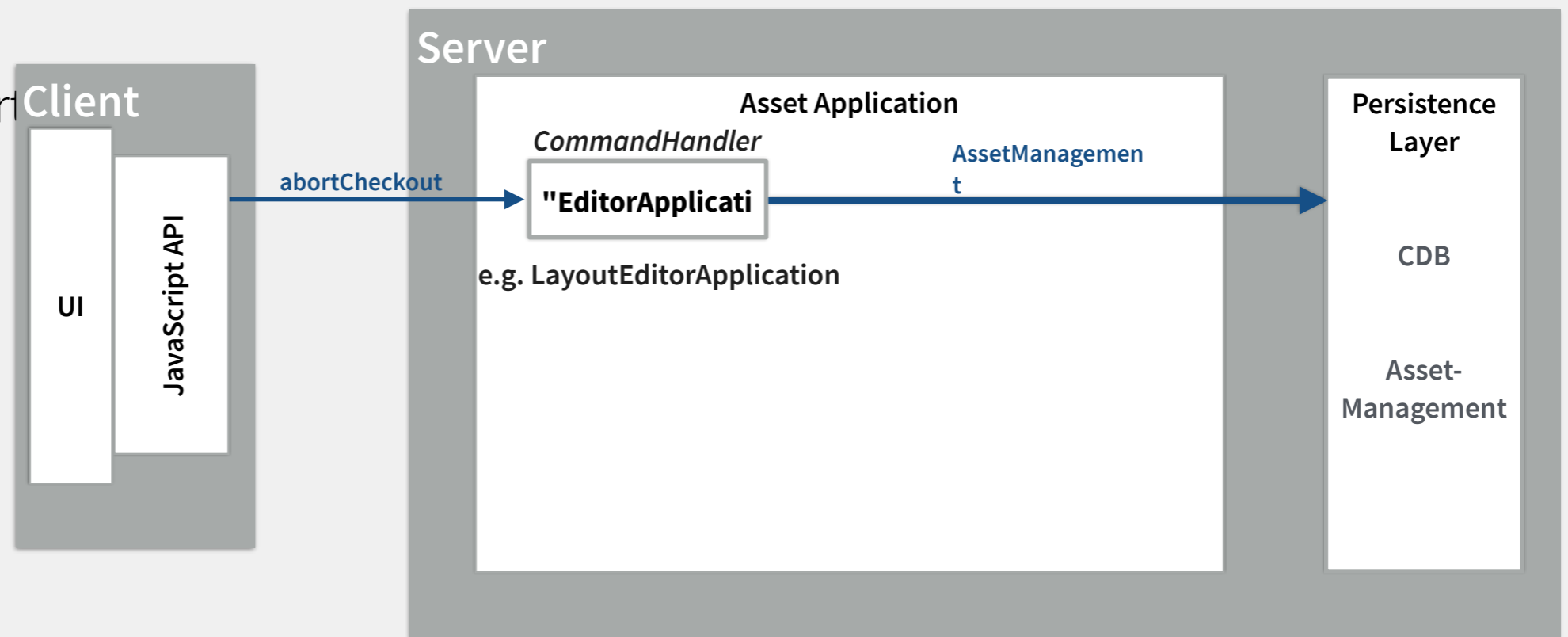
Life cycle of an Asset Application

- Page is closed on client
  - Client calls "close" method

Client

UI

JavaScript API

close →

Server

Asset Application

CommandHandler   *DomainModel*

ProjectPlanning

Project Planning Model

Live Query

Persistence Layer

CDB
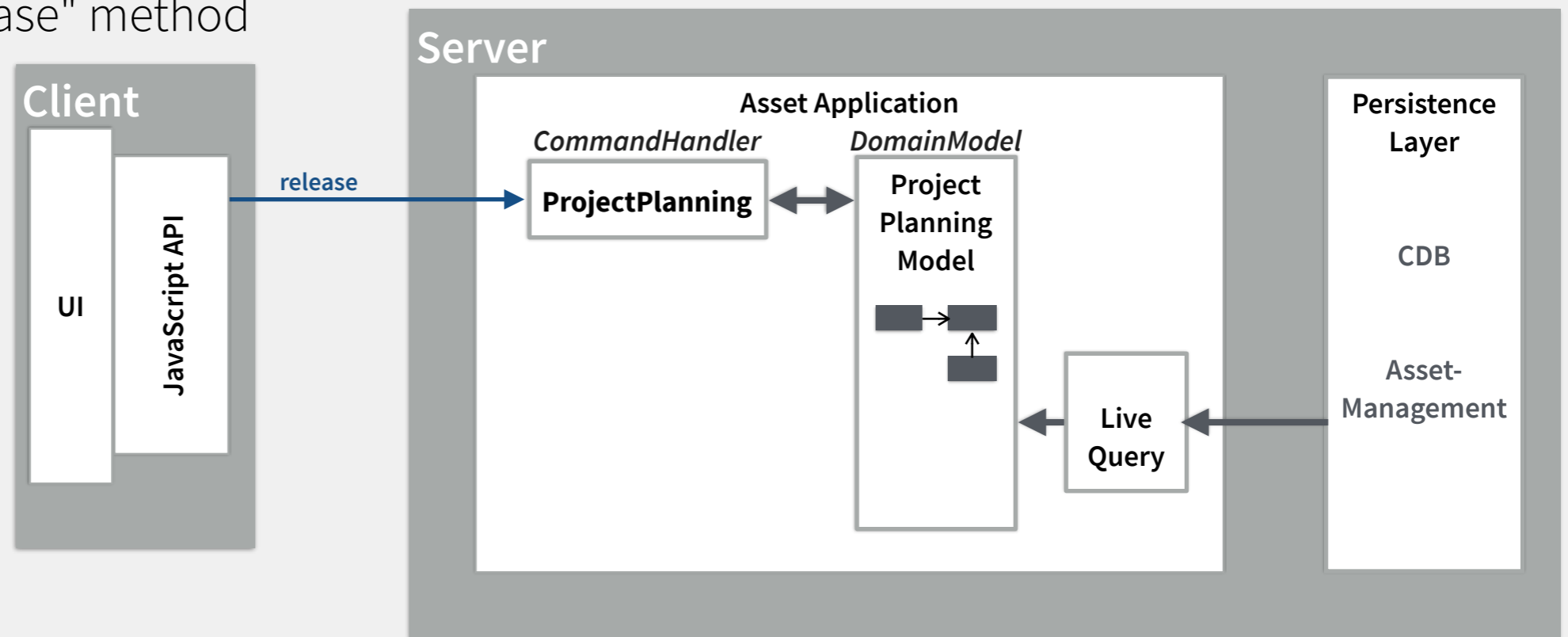
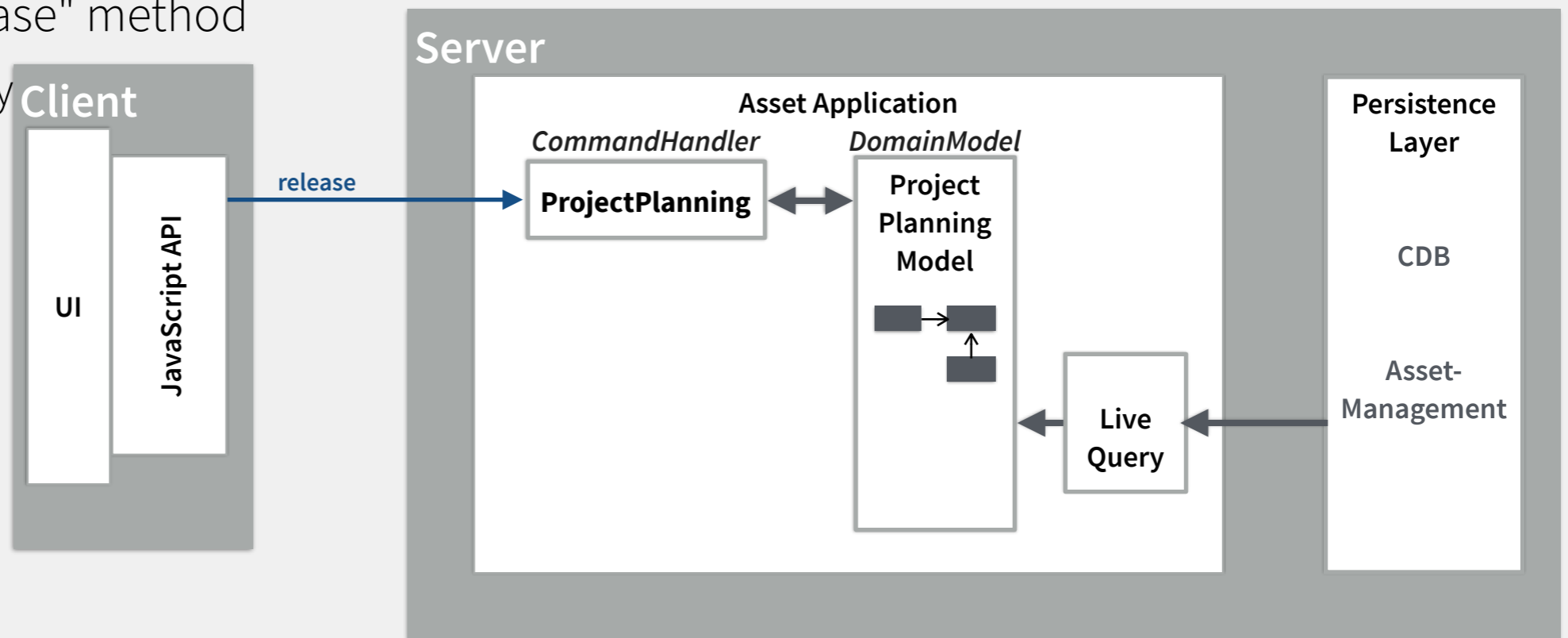Asset-Management

censhare

Life cycle of an Asset Application

- Page is closed on client
  - Client calls "release" method

Life cycle of an Asset Application

- Page is closed on client
  - Client calls "release" method
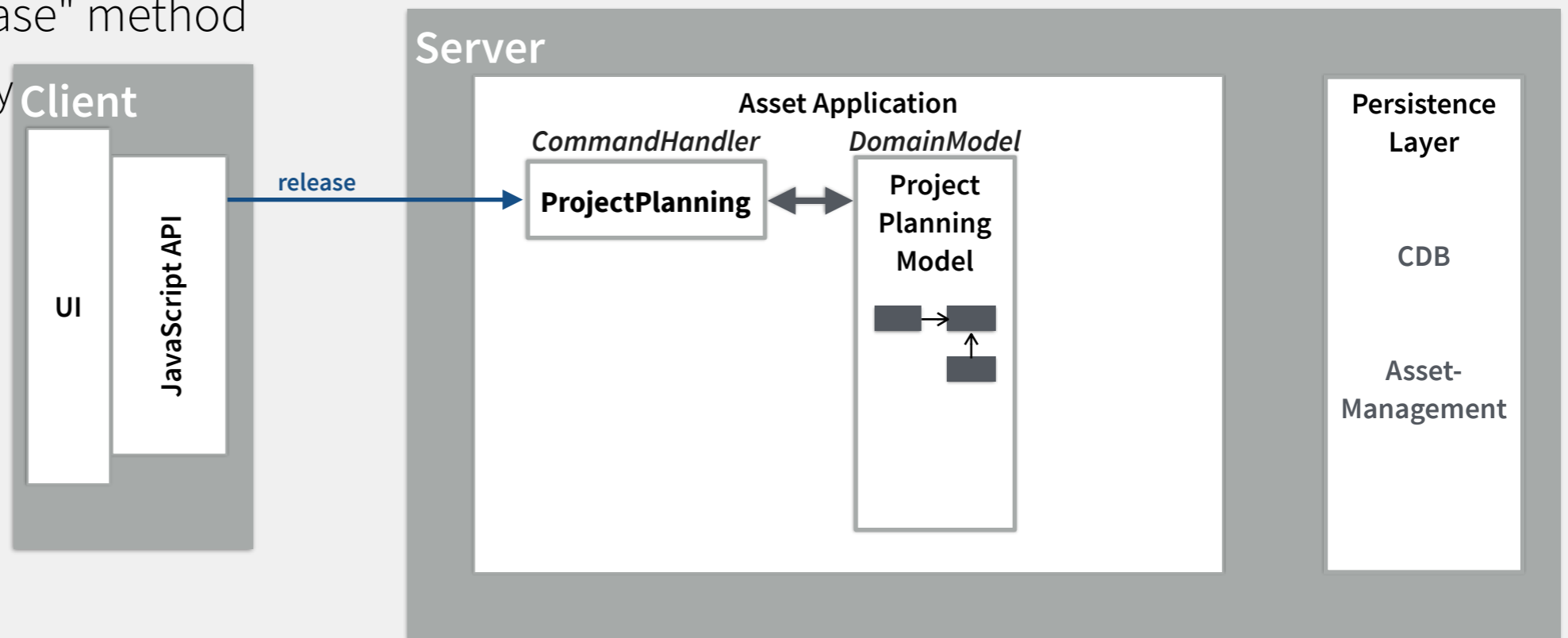   - Stops live query

Client

UI

JavaScript API

release

Server

Asset Application

CommandHandler

ProjectPlanning

DomainModel

Project
Planning
Model

Live
Query

**Persistence
Layer**

CDB

Asset-
Management

censhare

Life cycle of an Asset Application

- Page is closed on client
  - Client calls "release" method
    - Stops live query

Client

UI

JavaScript API

release →

Server

Asset Application

CommandHandler   *DomainModel*

ProjectPlanning ←→ **Project Planning Model**

Persistence Layer

CDB

Asset-Management

censhare

Life cycle of an Asset Application

- Page is closed on client
  - Client calls "release" method
    - Stops live query
    - Destroys
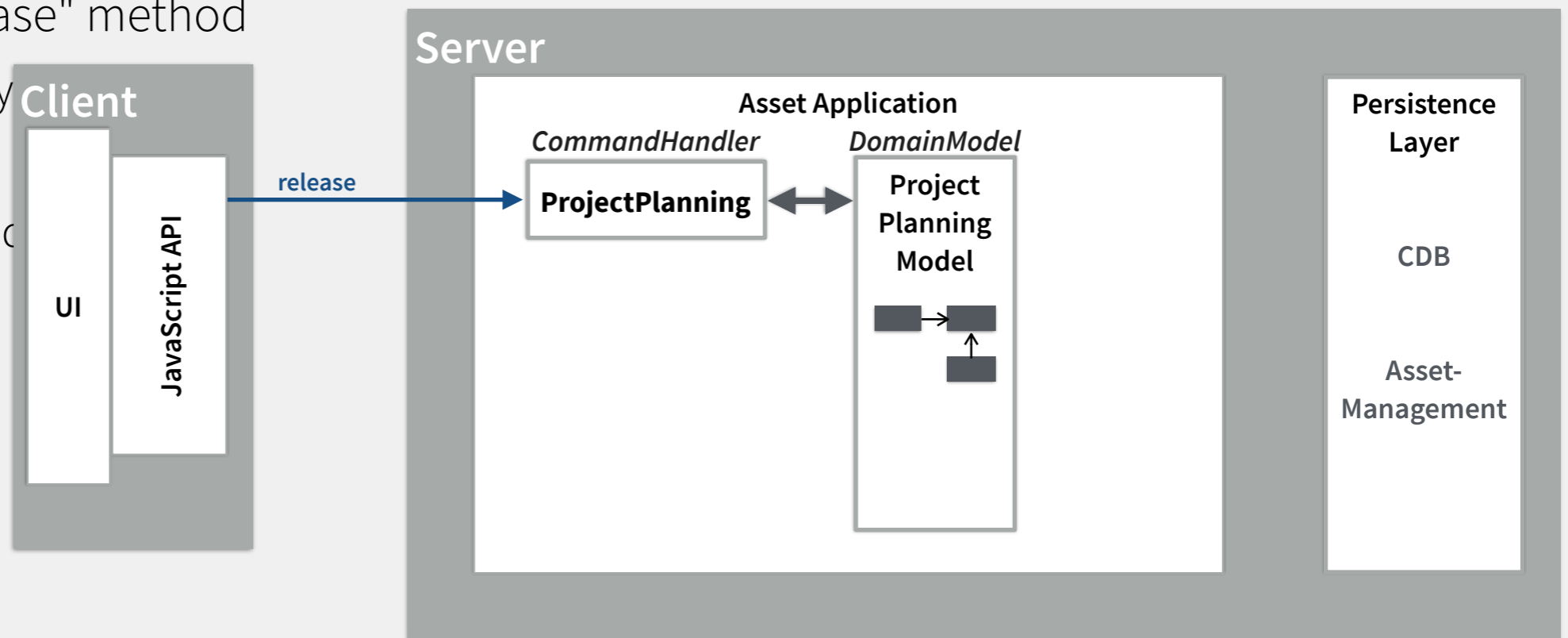   Command Handler
      instance

Client

UI

JavaScript API

release

Server

Asset Application

CommandHandler

ProjectPlanning

DomainModel

Project Planning Model

Persistence Layer

CDB

Asset-Management

Life cycle of an Asset Application

- Page is closed on client
  - Client calls "release" method
    - Stops live query
    - Destroys
      Command Hand...
      instance

Server

Client

UI

JavaScript API

release →

Persistence Layer

CDB

Asset-Management