Git-Hub Folder :

Project-Template
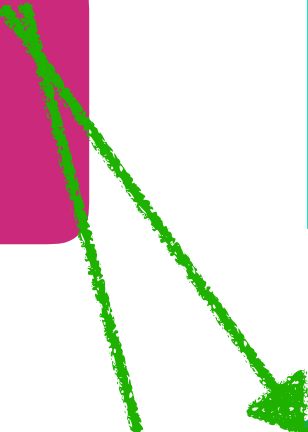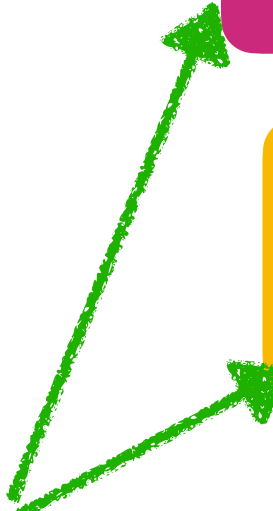
Development

Testing

Testing-SignOff08

Testing-DenQA
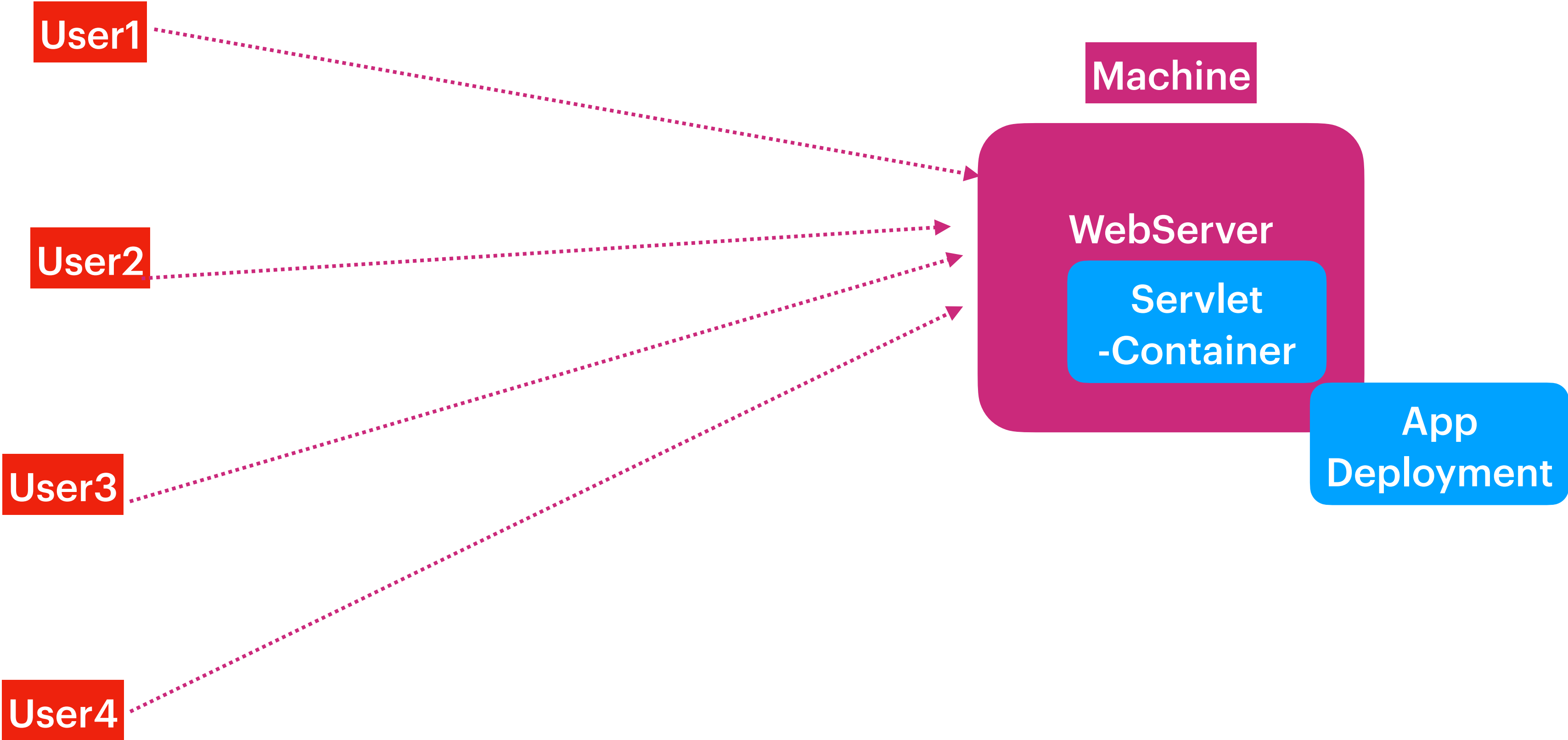
Configuration Management

Testing-PreProd (UAT)

Deployment in Production

https://ip-address-of-server-machie:webserver-port/app-name/<url-pattern>

User1

Machine

WebServer

Servlet-Container

App Deployment

User2

User3

User4

Dockerization

Container

**Virtual Operating
System &
Required Softwares for the Application.
Application Code**

**Operating
System**

Kernel

**Processors

RAM

CPU**

Project

Configuration Management

Deployment Strategies

Memory Management
Avoids boiler plate coding.

SpringBoot

SpringBoot

Core

JDBC

JPA

REST
Microservices

AOP
Middleware Services

ApplicationContext

Spring Container

Service Requester

Service-A Object

Dependent Object

Service Provider

Service-B Object

Dependency Object
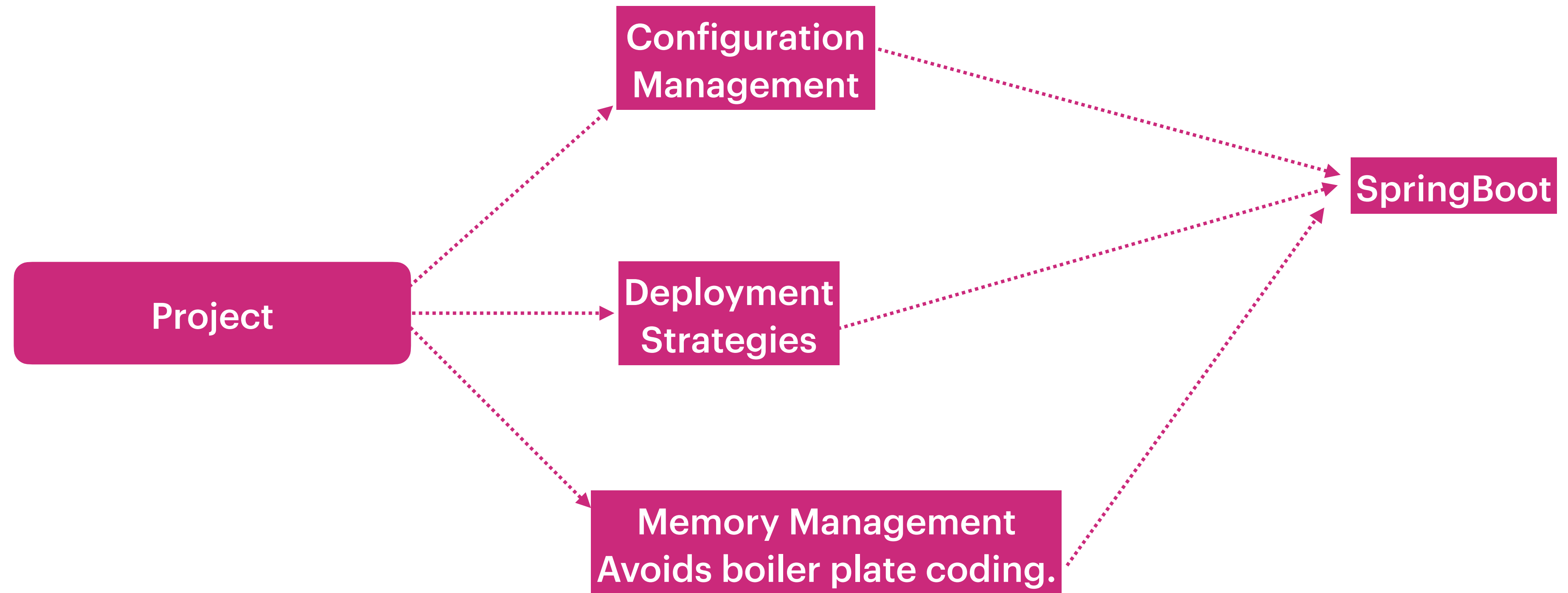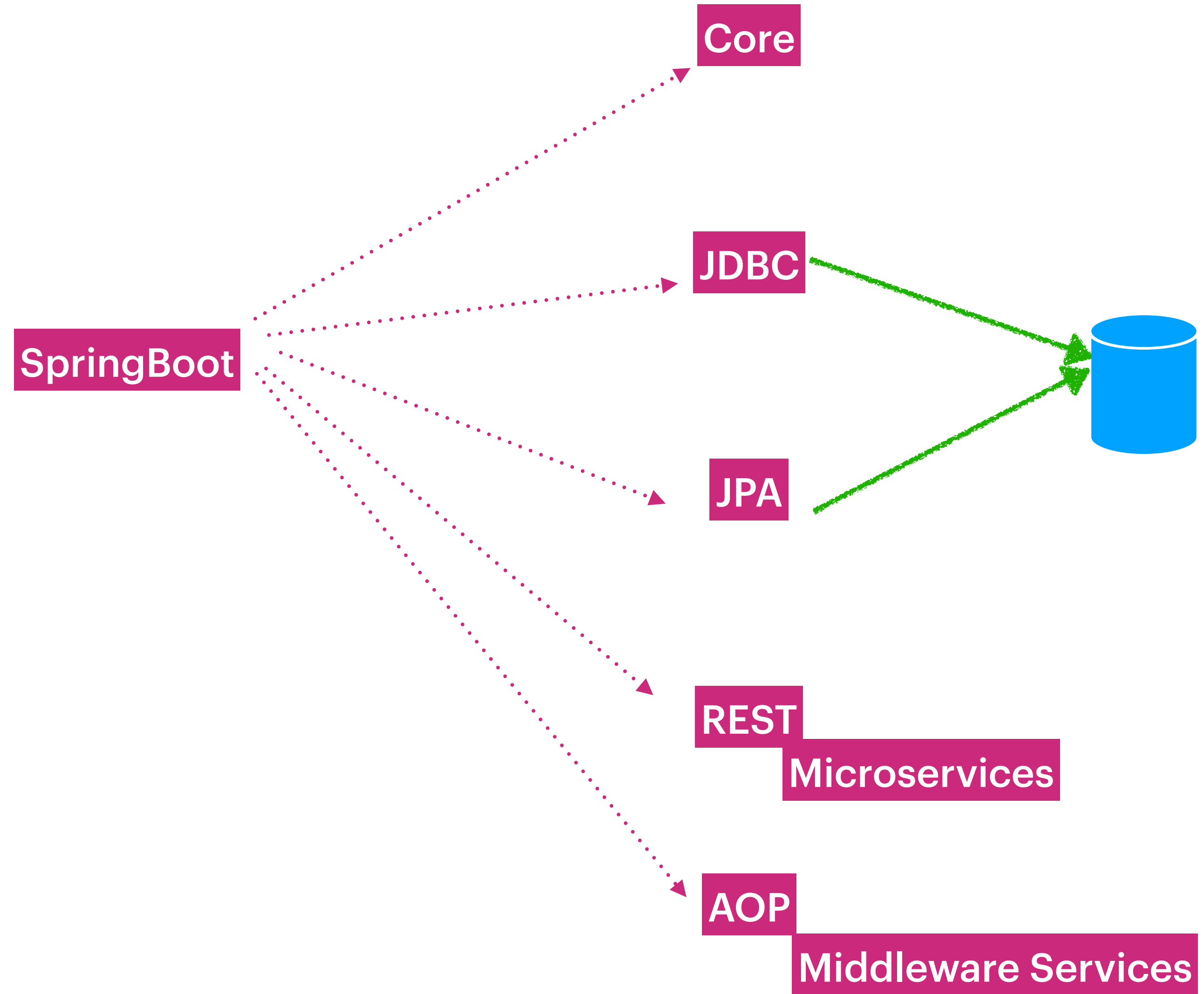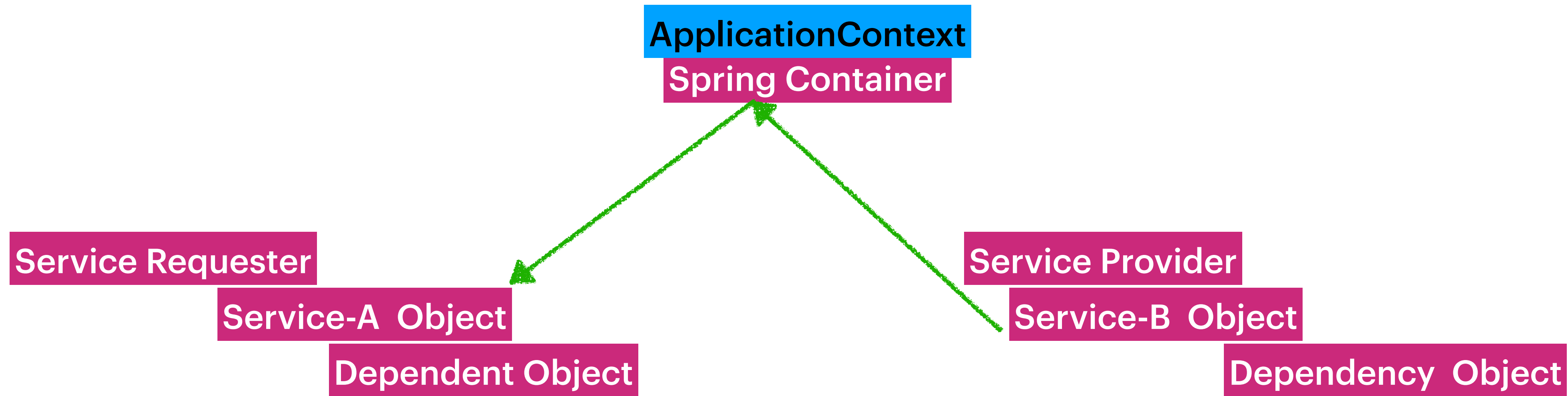
Dependency Injection :
Injecting Dependencies to the Dependents through Spring Container is Called Dependency-Injection.

Setter - Injection
Constructor - Injection

BookMyShow

movies.yml
RRR: 1:ME,2,3
83: 2,1,5,6

threaters.yml
1: AWB,Gachibowli,10,250
2: ....

Movies
List<String>
RRR
Radhe-Shyam
83

FeedMovieRepository

MovieController → MovieService → MovieRepository

SpringBootApplication
Takes Input Of movie Name
List down the Theaters sorting by
showTimings , ticketPrice -> distance

If the Movie not Found throw
MovieNotFoundException

Theater
: id
:name
location:
distance:
ticketPrice:
List<String> timings:

Map<
String,
Set< Theater >

Database Location

Username

Password

Files ....

Driver

Database...

Connection

Statement

ResultSet

Database Location

Username

Password

Driver

DataSource : Object

Con Con Con

Con Con Con

Schema1

Database...

Schema2 **Schema4**

Schema3

DataSource : Object

Con Con Con

Con Con Con

JdbcTemplate

Database...

Non-Select Queries :
public int update(String sql, Object... values)

Select Queries :
public List<T> query(String sql, RowMapper<T>, Object... values)
public T queryForObject(String sql, RowMapper<T>, Object... values)

DataSource : Object

Con Con Con

Con Con Con

Database...

JdbcTemplate

Non-Select Queries :
public int update(String sql, Object... values)

Select Queries :
public List<T> query(String sql, RowMapper<T>, Object... values)
public T queryForObject(String sql, RowMapper<T>, Object... values)