Hospital Management

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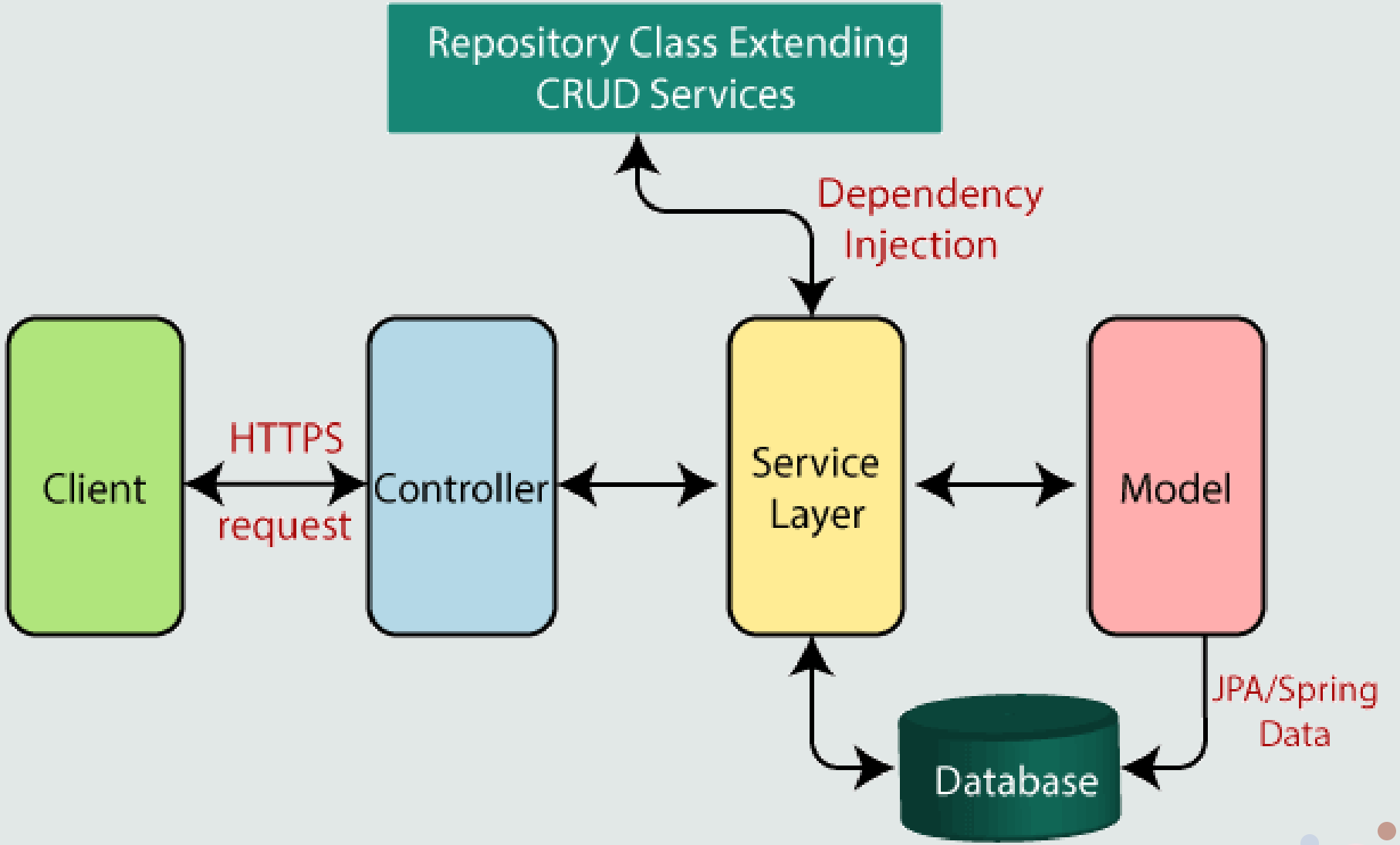
- Java is a programming language and computing platform first released by Sun Microsystems in 1995.

- **Java** is a class-based, object-oriented programming language designed for having lesser implementation dependencies. It is a computing platform for application development.

- Spring is an open-source java based framework used to create a micro service. It is developed by Pivotal Team and is used to build stand-alone and production ready spring application.

- Java Spring Boot (Spring Boot) is a tool that makes developing web application and microservices with Spring Framework faster and easier

Spring Boot flow architecture

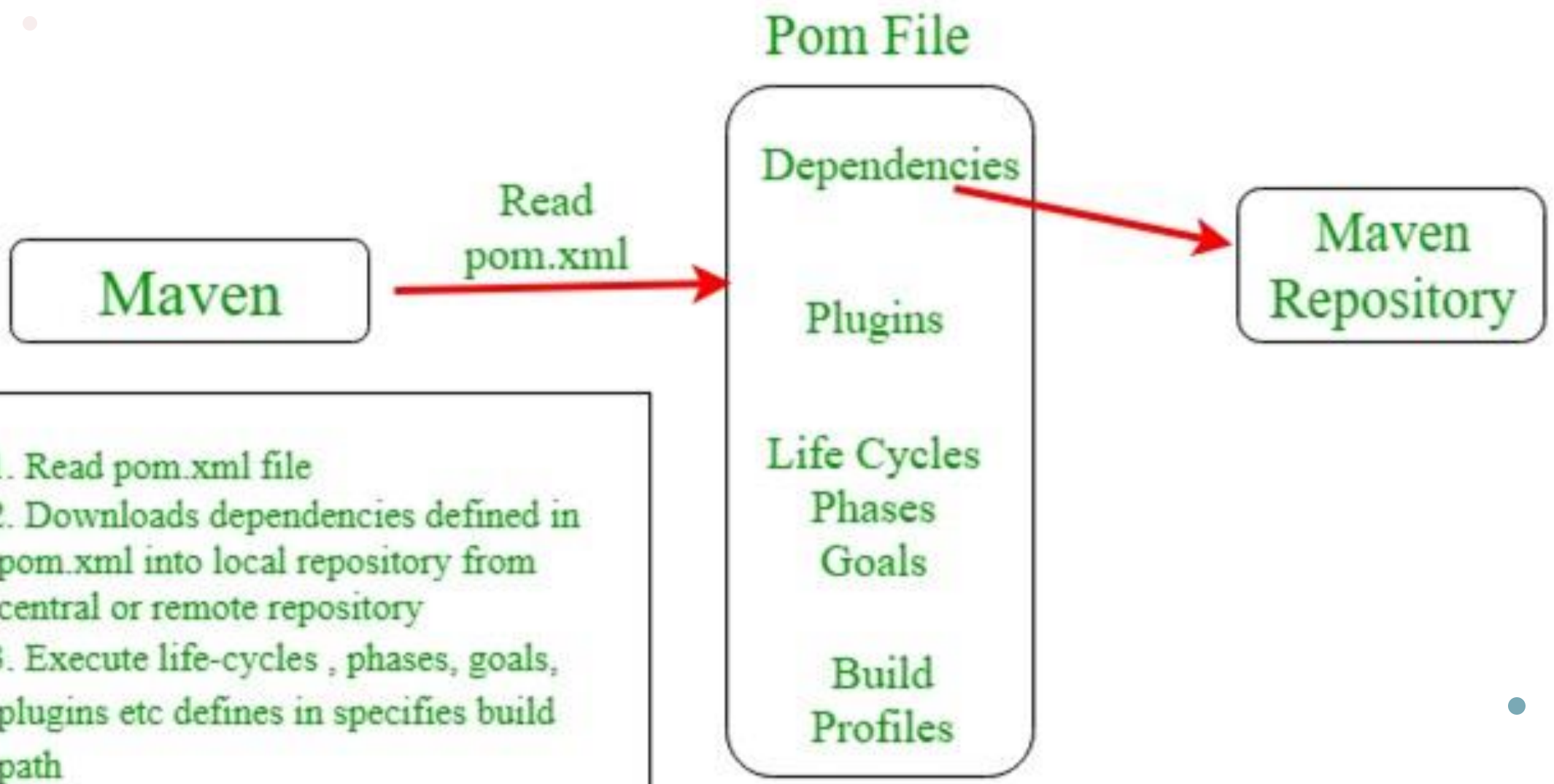


- MongoDB is an open-source document-oriented database that is designed to store a large scale of data and also allows you to work with that data very efficiently.

- It is categorized under the NoSQL (Not only SQL) database because the storage and retrieval of data in the MongoDB are not in the form of tables.

- Maven is a powerful *project management tool* that is based on POM (project object model). It is used for projects build, dependency and documentation.

Showing How maven works



1. Read pom.xml file
2. Downloads dependencies defined in pom.xml into local repository from central or remote repository
3. Execute life-cycles , phases, goals, plugins etc defines in specifies build path

- Docker is an open-source containerization platform used for developing, deploying, and managing applications in lightweight virtualized environments called containers.

- It is mainly used as a software development platform for developing distribution applications that work efficiently in different environments.

- Swagger UI is one of the most popular tools for generating interactive documentation from your Open API document. Swagger UI generates an interactive API console for users to quickly learn about your API and experiment with requests.

Project Introduction

- The Hospital management project is used to create and save the appointment of doctor and patient with prescription.
- Hospital management project having 3 controllers they are

  Doctor Controller

  Patient Controller

  Prescription Controller
- By using the Swagger website, we can create data and can get data by using credentials such as
  - Username
  - Password

Doctor Controller

In Doctor Controller, Doctors can find their appointments with details such as,

- Appointment Id
- Patient name
- Doctor name
- Date of appointment and
- Prescription Id

Patient Controller

In patient Controller, patients can find their appointments with details such as,

- Appointment Id
- Patient name
- Doctor name
- Date of appointment and
- Prescription Id

Prescription Controller

In Prescription Controller, the every patient details will be stored in the prescription.

- Appointment Id
- Patient name
- Doctor name
- Description
- Prescription Id


Thank You!
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