Hospital-Management

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JAVA:

➤ Java is a programming language and a platform-independent. Java is a high level, robust, object-oriented and secure programming language.

➤ Java was developed by Sun Microsystems (which is now the subsidiary of Oracle) in the year 1995 by James Gosling. He is known as the father of Java.
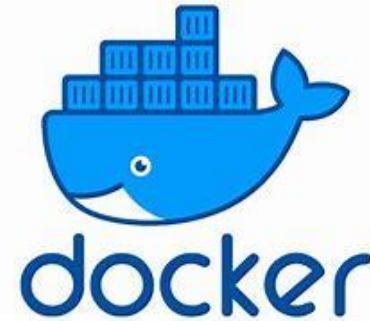
MONGO DB:

➤ MongoDB is a NoSQL database which stores the data in form of key-value pairs.

➤ It is an Open Source, Document Database which provides high performance and scalability.

➤ MongoDB also provides the feature of Auto-Scaling.

DOCKER:

➢ Docker is an open platform for developing, shipping, and running applications.

➢ Docker enables you to separate your applications from your infrastructure so you can deliver software quickly.

➢ advantage of Docker's methodologies for shipping, testing, and deploying code quickly, you can significantly reduce the delay between writing code and running it in production.

MAVEN:

➢ The java build tool provided by Apache to help in the build, documentation and dependency process of projects with any level of complexity written in Java and C# that uses Project Object Model (POM)

➢ It is kind of declarative and follows the .xml file system, and also helps in dependency management of the build process with a consistent interface.

SPRING BOOT:

- Spring Boot is an open-source Java-based framework used to create a micro-Service. It is developed by Pivotal Team

- It is used to build stand-alone and production ready spring applications.

- Micro Service is an architecture that allows the developers to develop and deploy services independently.

Swagger:

➤ Swagger is a specification for documenting REST API.

➤ It specifies the format (URL, method, and representation) to describe REST web services.

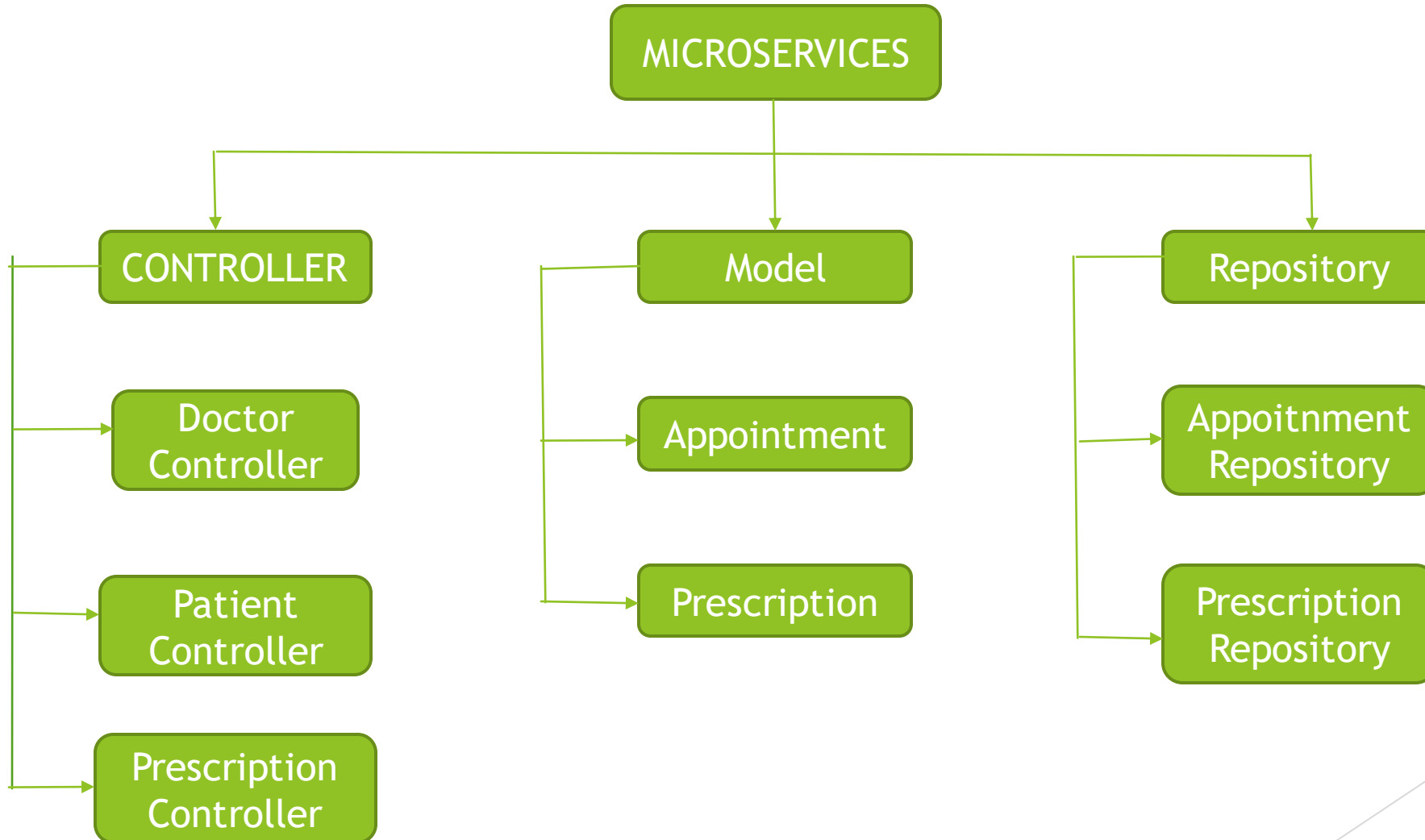➤ It also provides tools to generate/compute the documentation from the application code.

POSTMAN:

➢ Postman is a standalone software testing API (Application Programming Interface) platform to build, test, design, modify, and document APIs.

➢ While using Postman, for testing purposes, one doesn't need to write any HTTP client network code.

➢ It is a simple Graphic User Interface for sending and viewing HTTP requests and responses.

Architecture of Project:

Microservices: In this project there are three microservices.

Controller: There are three Controllers-Doctor Controller, Patient Controller and Prescription Controller. First two interact with Appointment Repository to access database Mongodb and Prescription Controller interacts with Prescription Repository.

Model: There are two data models Appointment and Prescription.

Repository: There are two Repository, Appointment Repository and Prescription Repository interact with database Mongodb and Model microservices.

Project Briefing:

➢ In this hospital Management it contains PatientName, Prescription and DoctorName.

➢ Patient can check the status of him/her Prescription details.

➢ In this Doctor can update and check the Patient and Appointment details .

THANK YOU

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