

Hospital Management Application

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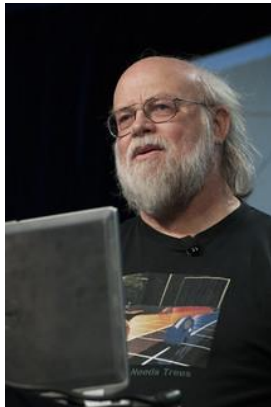
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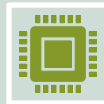
JAVA

- 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.

mongoDB



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

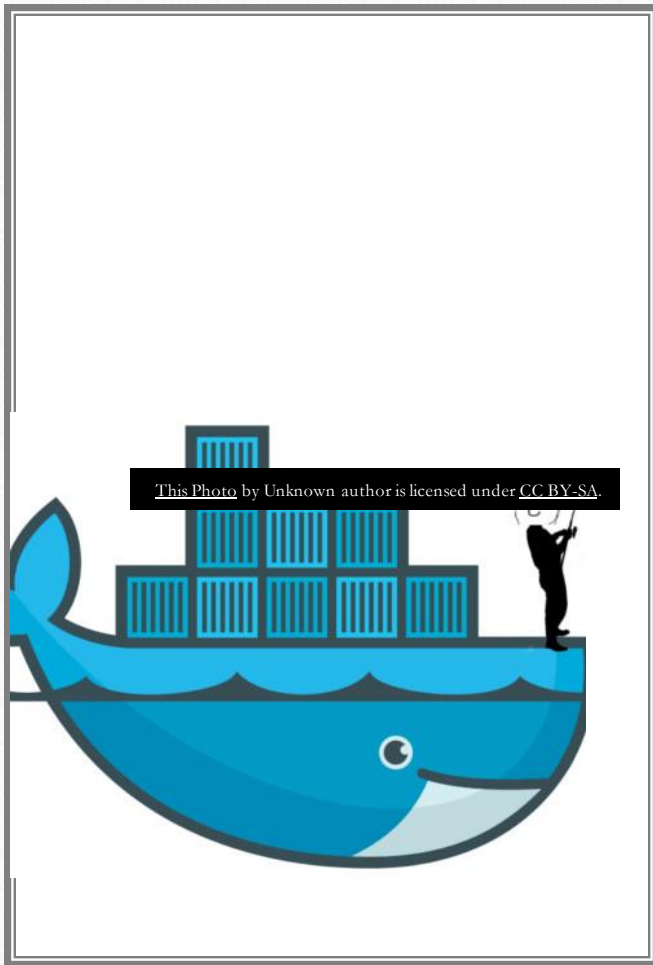


It is an Open Source, Document Database which provides high performance and scalability.



MongoDB also provides the feature of Auto-Scaling.





DOCKER



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

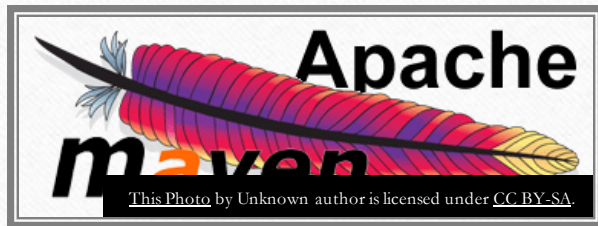


Docker enables you to separate your applications from your infrastructure so you can deliver software quickly.



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 filesystem, 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 Petstore

This is a sample server Petstore server. You can find out more about Swagger at <http://swagger.io> or on irc.freenode.net, #swagger. For this sample, you can use the api key "special-key" to test the authorization filters.

Find out more about Swagger

<http://swagger.io>

Contact the developer

Apache 2.0

pet : Everything about your Pets

Show/Hide

List Operations

Expand Operations

POST

/pet

Add a new pet to the store

PUT

/pet

Update an existing pet

GET

/pet/findByStatus

Finds Pets by status

GET

/pet/findByTags

Finds Pets by tags

DELETE

/pet/{petId}

Deletes a pet

GET

/pet/{petId}

Swagger

- Swagger is a specification for documenting REST API.

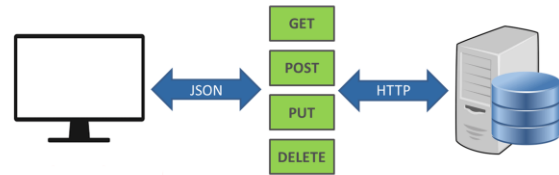
- It also provides tools to generate/compute the documentation from the application code.

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

POSTMAN



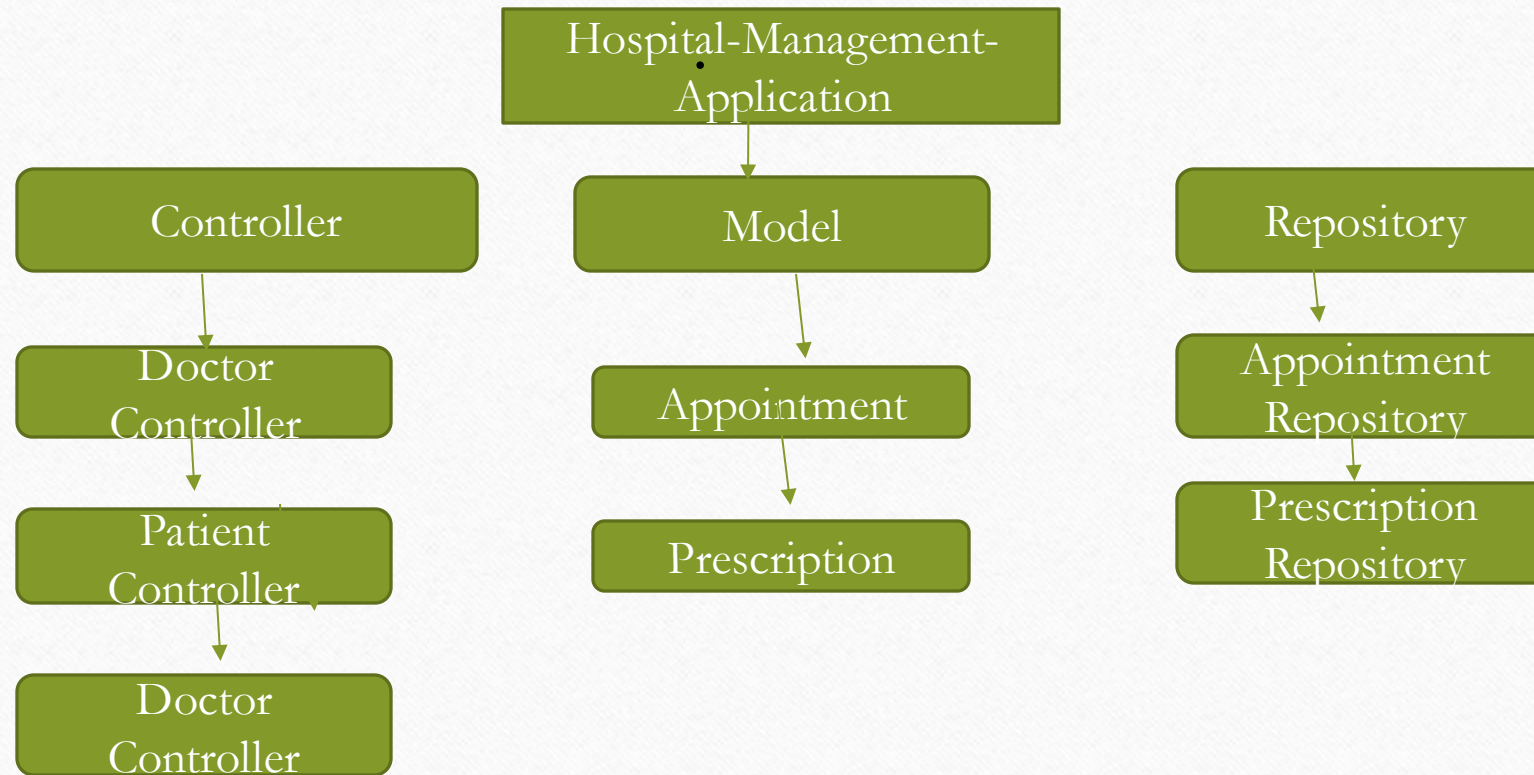
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- Postman is a standalone software testing API (Application Programming Interface) platform to build, test, design, modify, and document APIs.
- While using Postman, for testing purposes, one doesn't need to write any HTTP client network code.
- It is a simple Graphic User Interface for sending and viewing HTTP requests and responses.

Architecture of Project



Architecture

- ✓ This application allows doctor to check and update the Appointment and Prescription.
- ✓ The Patient can also get his/her data.
- ✓ The User can check the data with Username and Password.
- ✓ The Docker Controller, Patient Controller interact with Appointment
- ✓ Repository to access the mongo DB database and the Prescription Controller with Prescription repository

Use Case

This application can be used for

- Electronic Medical Record Keeping
- Pharmacy and Stock Management

Thank You