**Easy Homes Documentation:**

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| **Name** | Easy Homes |
| **Team** | Group 24 |
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| **TA** | Harit Patwa |
| **Technology** | Spring Boot, JPAs and ReactJs |
| **Cloud** | Heroku |
| **Database** | MySQL |
| **Status** | Completed |

**Problem Statement**

Building a web application that helps users to find the properties available for rent or sale, and the services available across the city.

**Technology Used**

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| **Backend** | Java with Springboot |
| **Frontend** | React Js |
| **Cloud** | Heroku |
| **Database** | MySQL |

**Dependencies:**

1. **Spring Boot Starter**

This dependency is required when using Spring MVC to create web applications, especially RESTful ones. The default embedded container is Tomcat.

1. **Spring Boot Starter Data JPA**

To use Spring Data JPA with Hibernate, we need this dependency.

1. **MySQL Connector**

This Dependency is used for the MySQL Database connections.

1. **Spring Security**

Spring Security is an authentication and access-control framework that is both robust and very flexible.

1. **Model Mapper**

ModelMapper is an object mapping package that automatically maps items to each other and is refactoring safe.

1. **Lombok**

Lombok is a java library that automatically integrates with your editor and builds tools to add flavor to the code.

1. **Junit Jupiter**

JUnit Jupiter combines the new programming language with the extension concept for developing JUnit tests and extensions.

1. **Mockito Core**

Mockito is a JAVA-based mocking framework that is used for successful unit testing of JAVA applications. Mockito is a tool for mocking user interfaces so that fake functionality may be created and utilised in unit testing.

1. **Spring Web MVC**

Model-View-Controller (MVC) architecture and ready components are provided by the Spring Web MVC framework, which may be used to create flexible and loosely linked web applications.

1. **Jettison**

Jettison is a Java library that converts XML to JSON and the other way around.

1. **Jjwt**

On the JVM and Android, JJWT aims to be the easiest to use and understand the framework for creating and verifying JSON Web Tokens (JWTs).

1. **Hibernate Core**

Hibernate is a Java-based object-relational mapping (ORM) tool that allows you to link application domain objects to relational database tables and vice versa.

1. **SpringDoc Open Api UI**

The spring doc open API java library aids in the automation of API documentation production in Spring Boot projects.

1. **Annotations**

An annotation in Java is a short comment-like construct that can be placed before class, method, and field definitions.

**References:**

[1] "GitHub - jwtk/jjwt: Java JWT: JSON Web Token for Java and Android", GitHub, 2022. [Online]. Available: https://github.com/jwtk/jjwt. [Accessed: 06- Apr- 2022].

[2] "Hibernate Maven Example", Examples Java Code Geeks, 2022. [Online]. Available: https://examples.javacodegeeks.com/enterprise-java/hibernate/hibernate-maven-example/. [Accessed: 06- Apr- 2022].

[3] O. LAHSEN and O. LAHSEN, "OpenAPI 3 Library for spring-boot", OpenAPI 3 Library for spring-boot, 2022. [Online]. Available: https://springdoc.org/. [Accessed: 06- Apr- 2022].

[4] "Mockito framework site", Site.mockito.org, 2022. [Online]. Available: https://site.mockito.org/. [Accessed: 06- Apr- 2022].

[5] "Project Lombok", Projectlombok.org, 2022. [Online]. Available: https://projectlombok.org/. [Accessed: 06- Apr- 2022].