<Plane Tickets>

Glossary

Version <1.0>

Revision History

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Table of Contents

1. Introduction 4

2. Glossary 4

Glossary

# Introduction

The project simulates an online plane ticket store and for that technical software solutions are used. For the client to understand those technical terms and how the application is structured, this document is very useful.

# Glossary

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| --- | --- | --- | --- |
| **Term** | **Definition and Information** | **Format** | **Validation Rules** |
| Java | Java is a programming language that produces software for multiple platforms. When a programmer writes a Java application, the compiled code (known as bytecode) runs on most operating systems (OS), including Windows, Linux and Mac OS. |  |  |
| Spring Boot | Spring Boot is a project built on the top of the Spring framework. It provides a simpler and faster way to set up, configure, and run both simple and web-based applications. |  |  |
| Hibernate | Hibernate ORM enables developers to more easily write applications whose data outlives the application process. As an Object/Relational Mapping (ORM) framework, Hibernate is concerned with data persistence as it applies to relational databases (via JDBC). |  |  |
| JDBC | Java Database Connectivity (JDBC) is an application program interface (API) specification for connecting programs written in Java to the data in popular databases. |  |  |
| Layered Architecture | At the highest and most abstract level, the logical architecture view of any system can be considered as a set of cooperating components grouped into layers. |  |  |
| SOLID Principles | SOLID Principles is a coding standard that all developers should have a clear concept for developing software in a proper way to avoid a bad design. It was promoted by Robert C Martin and is used across the object-oriented design spectrum. When applied properly it makes your code more extendable, logical and easier to read. |  |  |
| Design patterns | In software engineering, a design pattern is a general repeatable solution to a commonly occurring problem in software design. A design pattern isn't a finished design that can be transformed directly into code. It is a description or template for how to solve a problem that can be used in many different situations. |  |  |
| Web Services | A Web service is a software service used to communicate between two devices on a network. More specifically, a Web service is a software application with a standardized way of providing interoperability between disparate applications. It does so over HTTP using technologies such as XML, SOAP, WSDL, and UDDI. |  |  |