FoodGram web community

Glossary

Version <1.0>

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Glossary

# Introduction

In this document I will present you the most important concepts of this project, concept related to technology used in the implementation of the project

# Glossary

|  |  |  |  |
| --- | --- | --- | --- |
| ***Term*** | ***Definition and Information*** | ***Format*** | ***Validation Rules*** |
| Spring Boot | 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 | The Spring Framework is an [application framework](https://en.wikipedia.org/wiki/Application_framework) and [inversion of control](https://en.wikipedia.org/wiki/Inversion_of_control) [container](https://en.wikipedia.org/wiki/Servlet_container) for the [Java platform](https://en.wikipedia.org/wiki/Java_platform). The framework's core features can be used by any Java application, but there are extensions for building web applications on top of the [Java EE](https://en.wikipedia.org/wiki/Java_EE) (Enterprise Edition) platform. |  |  |
| Thymeleaf | Thymeleaf is a [Java](https://en.wikipedia.org/wiki/Java_(programming_language)) [XML](https://en.wikipedia.org/wiki/XML)/[XHTML](https://en.wikipedia.org/wiki/XHTML)/[HTML5](https://en.wikipedia.org/wiki/HTML5) [template engine](https://en.wikipedia.org/wiki/Template_engine_(web)) that can work both in web ([servlet](https://en.wikipedia.org/wiki/Servlet)-based) and non-web environments. It is better suited for serving XHTML/HTML5 at the view layer of [MVC](https://en.wikipedia.org/wiki/Model%E2%80%93view%E2%80%93controller)-based web applications, but it can process any XML file even in offline environments. It provides full [Spring Framework](https://en.wikipedia.org/wiki/Spring_Framework) integration. |  |  |
| 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. |  |  |
| MySQL | MySQL is an [open source](https://en.wikipedia.org/wiki/Open-source_software) [relational database management system](https://en.wikipedia.org/wiki/Relational_database_management_system)(RDBMS).[[6]](https://en.wikipedia.org/wiki/MySQL#cite_note-6) Its name is a combination of "My", the name of co-founder [Michael Widenius](https://en.wikipedia.org/wiki/Michael_Widenius)'s daughter,[[7]](https://en.wikipedia.org/wiki/MySQL#cite_note-7) and "[SQL](https://en.wikipedia.org/wiki/SQL)", the abbreviation for [Structured Query Language](https://en.wikipedia.org/wiki/Structured_Query_Language). |  |  |
| HTML | *Hypertext Markup Language (HTML) is the standard* [*markup language*](https://en.wikipedia.org/wiki/Markup_language) *for creating* [*web pages*](https://en.wikipedia.org/wiki/Web_page) *and* [*web applications*](https://en.wikipedia.org/wiki/Web_application)*. With* [*Cascading Style Sheets*](https://en.wikipedia.org/wiki/Cascading_Style_Sheets) *(CSS) and* [*JavaScript*](https://en.wikipedia.org/wiki/JavaScript)*, it forms a triad of* [*cornerstone*](https://en.wikipedia.org/wiki/Cornerstone) *technologies for the* [*World Wide Web*](https://en.wikipedia.org/wiki/World_Wide_Web)*.*[*[4]*](https://en.wikipedia.org/wiki/HTML#cite_note-4)  [*Web browsers*](https://en.wikipedia.org/wiki/Web_browser) *receive HTML documents from a* [*web server*](https://en.wikipedia.org/wiki/Web_server) *or from local storage and* [*render*](https://en.wikipedia.org/wiki/Browser_engine) *the documents into multimedia web pages. HTML describes the structure of a web page* [*semantically*](https://en.wikipedia.org/wiki/Semantic_Web) *and originally included cues for the appearance of the document.* |  |  |
| CSS | A typesetting language designed to be abused for layout |  |  |
| JS | JavaScript, often abbreviated as JS, is a [high-level](https://en.wikipedia.org/wiki/High-level_programming_language), [interpreted](https://en.wikipedia.org/wiki/Interpreted_language) [programming language](https://en.wikipedia.org/wiki/Programming_language) that conforms to the [ECMAScript](https://en.wikipedia.org/wiki/ECMAScript) specification. It is a programming language that is characterized as [dynamic](https://en.wikipedia.org/wiki/Dynamic_programming_language), [weakly typed](https://en.wikipedia.org/wiki/Weak_typing), [prototype-based](https://en.wikipedia.org/wiki/Prototype-based_programming) and [multi-paradigm](https://en.wikipedia.org/wiki/Multi-paradigm_programming_language). |  |  |
| API | Application Program Interface-makes is easy for two independent systems to communicate with each other | Browser APIs  Serve APIs |  |
| REST API | Relational state transfer- defines a set of functions which developers can perform requests and receive responses via HTTP protocol such as GET and POST. |  |  |
| Design Pattern | A written document that describes a general solution to a design problem that recurs repeatedly in many projects |  |  |
| Bug | A coding error in a computer program | Text |  |
| 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. |  |  |