# Standards Compliance

* RESTful

Jersey

<http://www.broadleafcommerce.com/technology-stack>

* HTTP
* SMTP

Email feature

<http://www.broadleafcommerce.com/docs/core/current/broadleaf-concepts/key-aspects-and-configuration/features-and-architecture>

* W3C, SOAP
* MVC
* Issues tracking Strategy

<https://github.com/BroadleafCommerce/BroadleafCommerce/blob/BroadleafCommerce-4.0.x/CONTRIBUTING.md#issues>

* Pull request & branching strategy (version control)

<https://github.com/BroadleafCommerce/BroadleafCommerce/blob/BroadleafCommerce-4.0.x/CONTRIBUTING.md#fix-it-yourself-with-a-pull-request>

<https://github.com/BroadleafCommerce/BroadleafCommerce/blob/BroadleafCommerce-4.0.x/CONTRIBUTING.md#broadleaf-commerce-branching-strategy>

* Code style <http://f.cl.ly/items/1P3X2a2E1n1e3d3S3g3L/Broadleaf%20Eclipse%20Formatter.xml>

# Maintainability

* Code level

If tight coupling between application class and framework class?

How dependency between application classes or application class and framework class?

Highly usage of frameworks means it is hard to re-engineering

* Design level
* Traceability

# Reliability

Maturity

Availability

Fault Tolerance

Recoverability

Test methods? Test case?

Validation & verification

No any documents related test but found some test code from github.

We have done the majority of our testing with MySQL 5.1, Oracle 9i and 10g, and HSQLDB.

# Usability

Appropriateness recognisability (Users can recognize whether a product is appropriate for their needs)

* Features List

<http://www.broadleafcommerce.com/features>

* Demo site <http://demo.broadleafcommerce.org/>

Learnability

* Tuition documents
* Demo site

Operability

* Provide admin console to control and operate all store business

All front-end interface can be customized.

User feedback <http://www.broadleafcommerce.com/scalability>

Broadleaf has a large suite of default functionality built in, so it's possible that you will only need to customize the UI and some configuration files.

Broadleaf provides over 4000 Java classes that represent business services, data access objects, entities, and utilities. And also developer can extend entities and implement business services and data access interfaces to customize behavior. And related tuition documents are provided.

<http://www.broadleafcommerce.com/docs/core/current/tutorials/core-tutorials/extending-entities-tutorial>

<http://www.broadleafcommerce.com/docs/core/current/tutorials/core-tutorials/extending-services-tutorial>

# Extensibility

Spring MVC and Thymeleaf provide with dynamic user interface and templating engineer so user can choose their favorite UI template and customize. And also they can implement more entities and services for extension.

Broadleaf Commerce, at its core, is an eCommerce development *framework*. It is a set of Java libraries, dependencies, and default configuration files that can be embedded into an application such as a web application or a batch process. As a framework, Broadleaf provides a mechanism to extend, override, and customize any part of the core functionality without changing the code.

# Portability

Integrate many frameworks which may cause risk to port application

Broadleaf requires a servlet container such as Apache Tomcat. Broadleaf has also been tested with Jetty, JBoss Application Server, Oracle WebLogic Application Server, and IBM WebSphere Application Server.

<http://www.broadleafcommerce.com/faq?recaptchaPublicKey=6Lct6_ESAAAAAA1rzWdQDmWx1WC8804UaOaBEj2t#q2>

You can use any relational database that Hibernate [supports](https://community.jboss.org/wiki/SupportedDatabases2). But no noSQL data storage. We have done the majority of our testing with MySQL 5.1, Oracle 9i and 10g, and HSQLDB.

<http://www.broadleafcommerce.com/faq?recaptchaPublicKey=6Lct6_ESAAAAAA1rzWdQDmWx1WC8804UaOaBEj2t#q4>

We have deployed Broadleaf Commerce to Amazon EC2, Rackspace Cloud, CloudBees, CloudFoundry, Hiroku, and Amazon Elastic Beanstalk.

<http://www.broadleafcommerce.com/faq?recaptchaPublicKey=6Lct6_ESAAAAAA1rzWdQDmWx1WC8804UaOaBEj2t#q5>