## Product Structure

### architecture

<http://www.broadleafcommerce.com/docs/core/current/broadleaf-concepts/architecture-diagrams/logical-architecture>

Why Spring not EJB or Java EE

http://www.broadleafcommerce.com/blog/why-broadleaf-continues-to-choose-spring

### design

### code-base

### documentation

### test(including regression tests etc)

Unit Testing

Significant business logic class

For example, OfferServiceImpl - OfferServiceTest

Integration Testing

http://www.broadleafcommerce.com/docs/core/current/tutorials/testing-tutorials/groovy-spock-integration-test

MockMVC

## Defect managerment

**guideline**

https://github.com/BroadleafCommerce/BroadleafCommerce/blob/BroadleafCommerce-4.0.x/CONTRIBUTING.md

**sample**

https://github.com/BroadleafCommerce/BroadleafCommerce/issues/1538

### reporting

Instead of Formal defect log, Github Issue tracker is used to tracked bugs.

Anyone is using Broadleaf Commerce or interested in it is able to open an issue to report a bug.

**All issues are required to provide at least the following info:**

1. Broadleaf version you are using
2. Steps to reproduce
3. Any stack traces that you receive (if applicable)
4. Any additional information that allows us to help you faster
5. Any potential fixes you might have already tested

### repair and release

**issue management process**

Dev Team members will handle the issues normally within a few days after they are filed.

Step 1 - issues are classified using GitHub labels and assigned issue meta-data, such as

* **severity-(critical/major/minor)**
* **module-(admin/cms/core/rest/tests)**
* **type-(bug/enhancement/feature)**.
* **difficulty-(hard/medium/easy)**

etc.

Step 2 - select issues for next Broadleaf sprint / patch release

Step 3 - assign a milestone indicating the release that targets for the issue

Step 4 - mark the issue as closed generally once the developer has committed the fix

Step 5 - We release the patch (or new major version) of the software

As a user, since the issues may not guarantee to be fixed on a specific timeline as expected, one alternative and more recommended way is to fix the issue then send a pull request. It requires the user to understand the branch strategy and code style to produce neat code. Also the change must pass all tests before submission.