**Coding Standards**

1. General
   1. Java Comments
      1. Class level comments
      2. Method level comments
2. Class
3. Properties
4. Java Script
5. Others
   * 1. **Class level comments**

/\*\*

\* <Class description>

\*

\* Create Date: <DATE>

\*

\* @author <author name>

\* @version <current class version>

\* @since <class version>

\*/

Example:

/\*\*

\* SpringBootWebApplication is the main application class.

\* It is to initialize bettle application.

\* <p>

\* Create Date: 2017/01/20

\*

\* @author Yugandhar Gangu

\* @version 1.0

\* @since 1.0

\*/

**1.1.2 Method level comments**

/\*\*

\* <Method Description>

\*

\* @param <param name> <description>

\* @return <return value description>

\*/

Example:

/\*\*

\* To get bean from context.

\*

\* @param klass Class type

\* @return Object

\*/

**2. Class**

1. All Class names should start with upper case letters.

Ex:

public class SpringBootApplication {

}

1. All interface implemented class names should ends Impl keyword.

Ex:

public interface UserRepository {

}

public class UserRepositoryImpl implements UserRepository {

}

1. Abstract class names should start with Abstarct keyword.

Ex:

public abstract class AbstractParentEntity {

}

1. All controller class names should ends with Controller keyword.

Ex:

public class LoginController {

}

1. All service class names should ends with Service keyword.

Ex:

public class LoginService {

}

1. All repository class names should ends with Repository keyword.

Ex:

public interface UserRepository {

}

1. The class level variables should not contains upper case letters. Words should separated with underscore ( \_ ).

Ex:

public void int value\_one = 1;

public String[] strings = null;

public List<String> string\_list = null;

public Map<String, String> string\_map = null;

public MyObject my\_object = null;

1. Local variable can have underscore ( \_ ) and upper case letters.

Ex:

int value\_one = 1;

int valueTwo = 2;

List<String> stringList = null;

1. All collection variable names should ends with respective collection name.

Ex:

public List<String> string\_list = null;

List<String> stringList = null;

public Map<String, String> string\_map = null;

Map<String, String> stringMap = null;

1. All array variable names should ends with “s”.

Ex:

public UserName[] user\_names = null;

UserName[] userNames = null;

1. Every variable name should have proper meaning.

**3. Properties**

1. All properties file keys should be in lower case letters.
2. The words of key should be separate with unserscore ( \_ ).

**4. Java Script**

1. All java script file names should be in lower case letters.
2. All java script variable should be lower case letters and words should separate with underscore ( \_ ).
3. All java script object names should start with upper case letters and should not have Special characters.
4. All global variable should have its module identity.
5. ReactJs classes should be independent. All of these should have its module identity.
6. AngularJs factory object names should ends either Service or with appropriate keyword.
7. AngularJs controller names should ends Controller keyword.
8. All this objects reference names should be \_self.

Ex:

var \_self = this:

1. The methods or objects declared with in controller should be controller specific, shouldn’t be scope specific.

Ex:

bettleApp.controller(“FirstController”, [“$scope”, “FirstService”,

function($scope, FirstService) {

var \_self = this;

\_self.form\_data = {};

\_self.firstMethod = function() {

// do something

};

}]);

**5. Others**

1. All HTMLview names should be in lower case letters.

**Note:**

1. These standards are Bettle Track application specific. All Java developers should follow Java coding standards which are not present in above list.
2. All Java Script developers should follow Java Script coding standards which are not present in above list.