Brewery

- Weighted Methods: 78
  - Lines of code: 76
  - Arguments: 2
- Depth of Inheritance: 1
- Number of Children: 0
- Coupling between objects: 5
  - `Item`
  - `Production`
  - `Inventory`
  - `Library`
  - `Recipe`
- Response for a Class: 15
  - Individual methods: 3
  - External method calls: 12
- Cohesion: The cohesion is very strong as the class operates on the `production`, `inventory` and `library` components, and they serve distinct purposes in the brewery.

Container

- Weighted Methods: 22
  - Line of code: 21
  - Arguments: 1
- Depth of Inheritance: 1
- Number of Children: 0
- Coupling between objects: 1
  - `Item`
- Response for a Class: 6
  - Individual methods: 4
  - External method calls: 2
- Cohesion: The cohesion is very strong as the states `empty` and `clean`, as well as the attributes `content` and `quantity` serve distinct purposes and could not be reduced.

Production

- Weighted Methods: 13
  - Lines of code: 12
  - Arguments: 1
- Depth of Inheritance: 1
- Number of Children: 0
- Coupling between Objects: 2
  - `Container`
  - `Item`
- Response for a Class: 8
  - Individual Methods: 2
  - External method calls: 6
- Cohesion: The cohesion is strong or n/a as the class operates on a single `container` attribute, and the methods in the class all utilize this attribute a lot.

Item

- Weighted Methods: 22

- Lines of code: 18
  - Arguments: 4
- Depth of Inheritance: 1
- Number of Children: 0
- Coupling between Objects: 0
- Response for a Class: 5
  - Individual Methods: 5
  - External method calls: 0
- Cohesion: The cohesion is very strong as all the methods only work around the `name` and `count` attributes.

Inventory

- Weighted Methods: 110
  - Lines of code: 102
  - Arguments: 8
- Depth of Inheritance: 1
- Number of Children: 0
- Coupling between Objects: 1
  - `Item`
- Response for a Class: 33
  - Individual Methods: 8
  - External method calls: 28
- Cohesion: The cohesion is very strong as large amounts of code all revolve around the `drinkInventory`, `drinkTypeCount`, `ingredientInventory` and `ingredientTypeCount` attributes.

Recipe

- Weighted Methods: 20
  - Lines of code: 12
  - Arguments: 2
- Depth of Inheritance: 1
- Number of Children: 0
- Coupling between Objects: 1
  - `Item`
- Response for a Class: 3
  - Individual Methods: 3
  - External method calls: 0
- Cohesion: The cohesion is very strong as all the methods only work around the `name` and `count` attributes.

Library

- Weighted Methods: 28
  - Lines of code: 26
  - Arguments: 2
- Depth of Inheritance: 1
- Number of Children: 0
- Coupling between Objects: 1
  - `Recipe`
- Response for a Class: 5
  - Individual Methods: 3
  - External method calls: 2
- Cohesion: The class is cohesive around the `recipeList` and `recipeCount` attributes.