1. Product Administration

As an administrator I should be able to:

**1.1 Gain access to an admin dashboard by providing a username and password.**

**1.2 Add new product listings by way of an admin dashboard.**

**1.3 Edit or delete existing products by way of an admin dashboard.**

**1.4 Add images associated with a new or existing products.**

1.5 Create and maintain a list of product categories.

**1.6 Assign categories to new or existing products.**

**1.7 Flag products as “on sale” by specifying a sale price.**

1.8 Edit the content of the website’s contact and about page.

2. Product Display

As a customer I should be able to:

**2.1 Navigate through the available products by way of a front page.**

**2.2 Navigate through the available products by category.**

2.3 Search through the available products using a keyword search.

**2.4 View the details of any of the available products.**

**2.5 Two or more of the following. Filter the products to see only the products that are:**

1. **on sale.**
2. **new.**
3. recently updated.

3. Product Orders

As a customer I should be able to:

3.1.1 Purchase a specific quantity of a single product.

3.1.2 Add a specific quantity of various products to a shopping cart.

3.1.3 Initiate a checkout process to finalize an order.

3.1.4 Confirm my finalized order after reviewing taxes and grand total.

3.1.5 Submit my address when finalizing an order.

3.1.6 Specify my payment method when finalizing an order.

As an administrator I should be able to:

3.2.1 List all customers details (including address) on file using the admin dashboard.

3.2.2 List all outstanding product orders.

3.2.3 Change the status of outstanding orders to paid or shipped as required.

3.2.4 Change the tax rates associated with the various Canadian provinces and territories.

4. Layout and Design

As the website designer you should be able to:

4.1 Create valid markup and CSS for all pages on the website.

4.2 Design a consistent look and feel for all pages on the website.

4.3 Use HTML5 and CSS3 through the websites.

4.4 Use the[SASS](http://sass-lang.com/) pre-processor for all styling rules instead of CSS, including the use of nesting and variables.

4.5 Use[responsive layout design](http://www.smashingmagazine.com/responsive-web-design-guidelines-tutorials/) techniques such that the website adapts for various device screen sizes.

**4.6 Make use of Rails “View Partials” to optimize the ERB views used for the website.**

**4.7 Write custom ERB code using loops or conditionals.**

As the website programmer you should be able to:

**4.8 Use Rails validations to ensure that data submitted to the site by administrator and customers is present and correctly formatted.**

4.9 Use Rails “Model Associations” to link database tables by way of foreign keys.

**4.10 Write ActiveRecord queries that involve sorting (order) and finding (where).**

**4.11 Generate non-scaffolded controllers and their associated routes.**

**4.12 Create and use a non-ActiveRecord model.**

4.13 Build custom ERB forms using form\_tag or form\_for helpers.

4.14 Make use of a custom flash hash message and use the session hash in some way.

**4.15 Use git and github to keep your source under control with a minimum of 10 commits.**

**4.16 Project makes use of at least one 3rd party gem which isn’t a default part of Rails.**

**Marking Clarifications**

Requirements marked above in green are subject to the following clarifications.

1.8 The contact and about pages must be editable from a web-form from within the admin dashboard.

2.5 Implementing two or more of these filtering options will count towards one completed requirement.

3.2.2 & 3.2.3 In order to complete these requirements your project must support customer orders made by way of your store.

4.1 The HTML from all your pages validates according to the W3C validator. Likewise for the CSS. The easiest way to test HTML validation is to install a validation browser extension: