**CS6920**

**Team 1**

**Project Overview**

**Weasleys' Wizard Wheezes**

We will be building a web application that will serve as an online storefront for the fictional store “Weasleys' Wizard Wheezes” from the Harry Potter series of novels. The primary development language will be Ruby, using the Rails framework. This is also the framework that will be used for testing. Gems such as “shoulda” may be used for this purpose. The Bootstrap gem will be used to assist with CSS styling and some of the interactive features.

The site will have a login page for both users and administrators. A flag will be applied on the backend to set specific users as administrators. This will be separate from the application for security purposes. Anyone may view product listings, but logging in as a user will be required to purchase items. A third-party API such as Stripe will be used to handle transactions. Test card data will be used for user testing in lieu of a valid credit card.

Administrators will not be permitted to make purchases, but they will be able to add, edit, and delete product information. They will also be able to view customer records such as address information and purchase history.

When a purchase is completed, the customer will receive an email confirmation of the purchase notifying them that the purchase information has been sent to the “Order Fulfillment” department. Because this business does not actually exist, no physical items will be shipped.