# Heading

Encore Performance Gear

A group project to design and develop an e-commerce web app.

User Researcher / Product Designer / Full Stack Developer / Build Master

User Interviews / Usability Testing / Prototyping / React + Redux / Django

Jan. – Apr. 2020

# Content

Competitive drumlines and marching ensembles have a significant amount of used equipment that they need to sell at the end of each season. Many of these transactions take place on Facebook Marketplace or expensive online consignment shops, neither of which fully meet users’ needs.

## Solution

Our team of experts created an online marketplace for the directors and designers of these ensembles to buy and sell their used equipment. We deployed a minimal viable product to Heroku using React with Redux and a RESTful Django API.

## Value Proposition

Encore Performance Gear is a community-run platform built specifically for directors and designers of competitive drumlines and marching ensembles. The site builds trust with user profiles that provides buyers information about the users they’re buying from. Intuitive functionality matches the mental model users have from other e-commerce site, creating a seamless experience throughout the process.

## Key Features

Create accounts for individual users and organizations

Draft and publish listings for equipment

Quickly find the equipment you are looking for with intuitive text search, sorting, and filtering

Message users to negotiate sales and purchases of equipment

Notify buyers when items are no longer available by marking listings as “sale pending” or “sold”

Opt in/out of receiving email notifications when you receive messages

## Process

Our team of experts used a user-centered agile development process that incorporated UX methodologies into five two-week development sprints.

Sprint 1: Initial user research, configuration and integration of Django API and React

Sprint 2: Wireframes and high fidelity mockups shared with product owner, account creation and basic database read/write operations integrated

Sprint 3: Mockup iterations and refinements, photo upload integrated, significant UI improvements

Sprint 4: Messaging integrated, deployment to Heroku accomplished

Sprint 5: User testing of MVP conducted, user feedback implemented