

Group 18 - Final Project Proposal

IDEA: Joystick Junction - A Gaming Marketplace

Members:

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GitHub Repository

<https://github.com/brandon11leung/CS-546-Group-18-Project>

Introduction

Ever since COVID-19, the retro video game market has seen unprecedented growth in both price and business. Many other companies specializing in video game sales are infamous for deceptive marketing and exaggerated prices. And other companies not specializing in video games are host to countless scams and replica video games. All of these factors make it so casual video game collecting becomes both expensive and challenging.

At Joystick Junction, we provide a specialized marketplace for a variety of video games, consoles and accessories – from retro classics to the latest, high-quality titles. This will be the optimal place for both buyers and sellers, no matter the experience. We strive to make each transaction simple, stress-free and satisfactory. Using APIs, we will also provide both sellers and buyers with current prices an item is currently going for, promoting seamless transparency for both parties. We provide this because at Joystick Junction, we believe that buying and selling video games should be easy for every collector!

Features

Core Features

- Landing Page
 - A simple interface where users can enter the other various pages through the website
- About Us Page
 - This page will be a simple blurb explaining the history of the website and the motivation behind it.
- Profile Creation System
 - Robust profile (includes unique username, biography, and other basic information)
 - Extensive error checking and strong password criteria required
- Search/Results Page
 - The principal feature of our website
 - Filter by company, genre, price range, and condition of game
- Product Page
 - Contains picture of the product and information about the seller
 - Display average price data using efficient JSON algorithms
- Create Listing Page
 - Allows users to create both buying and selling listings
 - Will accept titles, descriptions, photos, locations and extra specifications
 - Will check for malicious scalping
 - Will allow users to accept various payment methods (with warnings) or accept trades
- Comments

Extra Features

- Chatroom in each listing
- Meetup spot for making transactions (GoogleMaps API)
- A notification system for when a video game drops in price at a certain point, or reaches a peak price for sellers.
- A streamlined bulk collection selling service or method