

VGRentalZ Requirements

1. Introduction

1.1 Purpose

The purpose of this document is to present a detailed description of the online video game renting service VGRentalZ.

It will explain the purpose and features of our service, the interfaces of the service, what the service will do and the constraints it operates under. This document is intended for users of our service and potential developers.

1.2 Intended Audience and Reading Suggestions

- Typical Users, such as gamers, who want to use VGRentalZ for affordable gaming.
- Power players who intend to finish multiple games quickly.
- Programmers who are interested in the development of VGRentalZ and furthering its development or fix any bugs.

1.3 Product Scope

VGRentalZ is a service that anyone can use to rent video games at an affordable price, purchase games, and pre-order for rent or purchase. Users can use our services to enjoy games without breaking the bank.

2. Overall Description

2.1 Product Perspective

VGRentalZ was developed for everyone who is interested in gaming, whether they play casually or for glory. VGRentalZ supports various systems that as long as there is strong enough demand for a game, then the games will be available from our VGRentalZ.

VGRentalZ is a project with a developer team to support it and its users. Built to run on Google Chrome, Microsoft Edge, Safari, Android, and IOS.

2.2 Product Functions

- Accept customer input for payment for credit card number.
- Accept input to add more payment methods.
- Accept input for customers to get more info on a specific game.
- Accept input for customers to filter through games based on genre.
- Accept input for customers to add games to cart.
- Accept input for customers to rent games from cart with 2 game limit

- max for regular members, and 4-game limit max for premium members.
- Accept input for customers to purchase games from cart.
- Accept input for customers to pre-order games.
- Output most popular games as homepage.
- Output pricing & business model banner at top of the homepage.
- Output whether or not games are available.
- Output description of game.
- Output filter for games to be filtered by system and/or genre.
- Output list of items in cart.
- Able to compute total cost amount for cart.

2.3 Intended Audience and Reading Suggestions

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2.4 Operating Environment

- Mozilla Firefox
- Google Chrome
- Microsoft Edge
- Safari
- Android
- IOS

2.5 Design and Implementation Constraints

VGRentalZ runs on Java. As such, it is a modular design based on classes and methods.

2.6 Assumptions and Dependencies

VGRentalZ runs on Java and assumes the user is able to run Java. For the mobile app versions, we assume that the user has a legitimate device running its own respective OS.

3. External Interface Requirements

3.1 User Interfaces

The website portion will feature links for sign-in, registration, a game library, and an about us page. The other potential apps will feature the same functionality.

3.2 Hardware Interfaces

The minimum requirement to run VGRentalZ is a 1.0GHz CPU and 128mb of RAM.

3.3 Software Interfaces

VGRentalZ requires either Firefox, Google Chrome, Microsoft Edge, Safari, Android, or IOS to be accessible to your device. VGRentalZ connects to a database to output video game libraries.

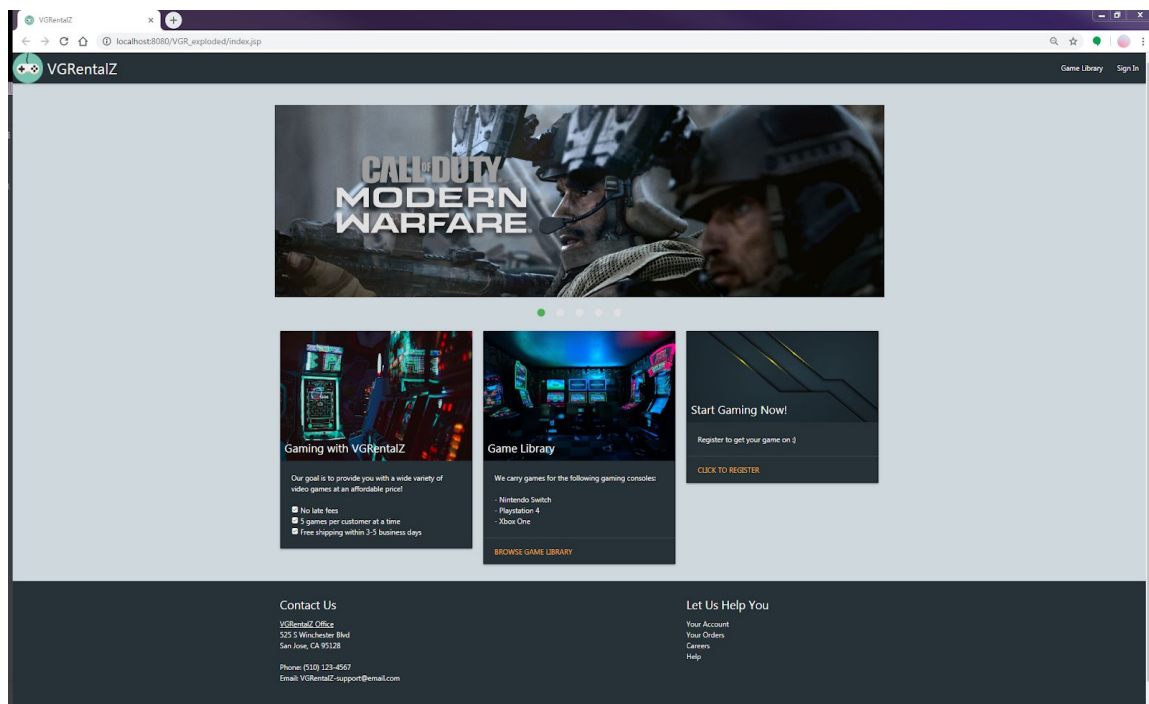
3.4 Communications Interface

Internet Connection is required at a speed of at least 1.0mb/s.

4. System Features

4.1 Homepage

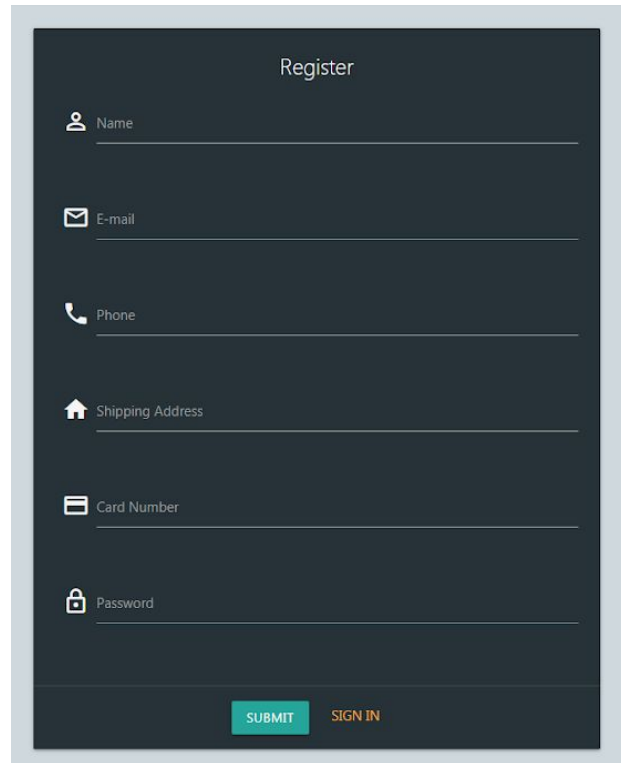
Homepage will feature cool video game cover images, a quick description of the company and links for registration and game library. The navigation bar also features Game Library and Sign In.



4.2 Registration

The registration page will feature text fields for the user to input the following:

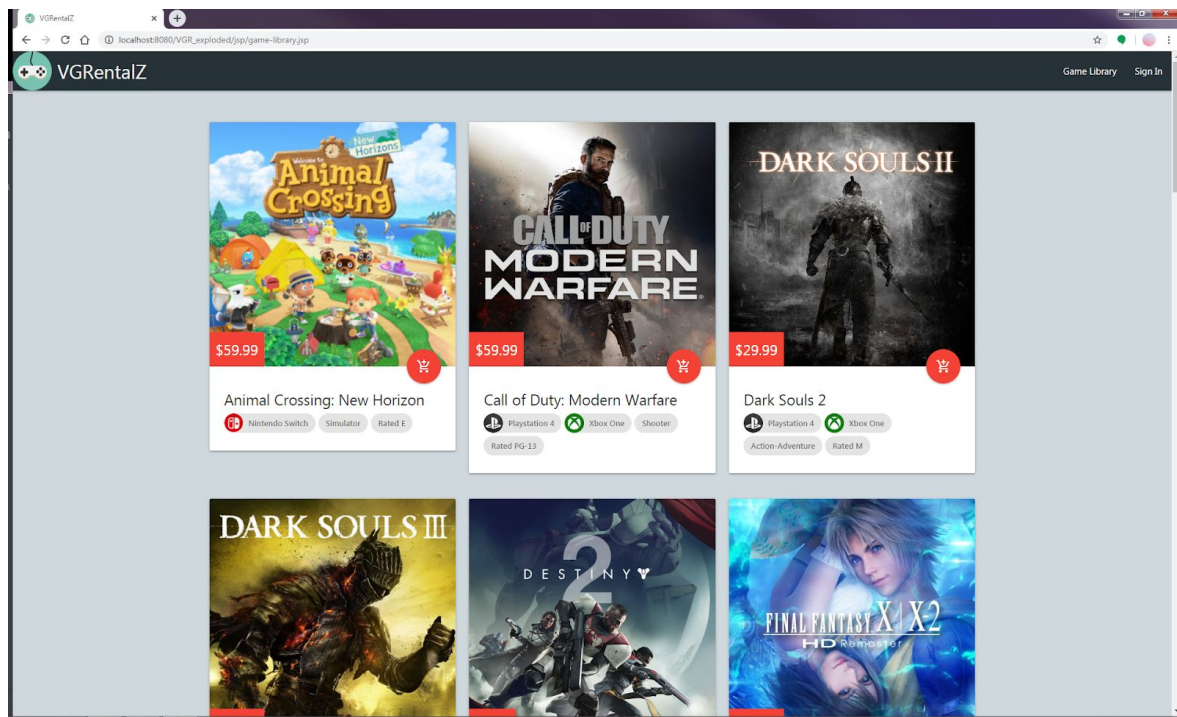
- Name
- E-mail
- Phone
- Shipping Address
- Card Number
- Password



The registration form is titled "Register" and is set against a dark background. It contains six input fields, each with a corresponding icon: a person icon for "Name", an envelope icon for "E-mail", a telephone icon for "Phone", a house icon for "Shipping Address", a credit card icon for "Card Number", and a lock icon for "Password". At the bottom right, there are two buttons: a teal "SUBMIT" button and an orange "SIGN IN" button.

4.3 Game Library

The game library page will list games in alphabetical order and showcase their game cover, price, platform(s), genre and rating.



5. Safety Requirements

5.1 Performance Requirements

The minimum requirement to run VGRentalZ is a 1.0GHz CPU and 128mb of RAM. An internet connection is also required at a speed of at least 1.0mb/s.

5.2 Safety Requirements

To prevent any leak of data, VGRentalZ is regularly managed by a team of developers who update it frequently to squash any bugs. Transactions will be all or nothing to prevent any half transactions to occur. Rollback of data will be available.

5.3 Security Requirements

VGRentalZ is safe & secure to use. Any user can use VGRentalZ without any additional safety requirements.

5.4 Software Quality Attributes

VGRentalZ is designed to provide an intuitive interface that allows typical users to get the games they want.