

Website Coursework Report

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1 Introduction

The Game Zone is a website which catalogs games into multiple categories (Figure 1). It is based on website encyclopedias like Wikipedia. The user has the ability to find games in the different categories of; the genre of the game, the platform of which the game was released on, the publisher of the game and the year in which the first version of each game was released. The user can also has the ability to look at the complete list of games which are recorded on this website. There is also a section of the website where users can contact the manager of the website, which allows the user to request games to be recorded and report any errors or issues with the site. Contact is done through text boxes and an image input (Figure 2).

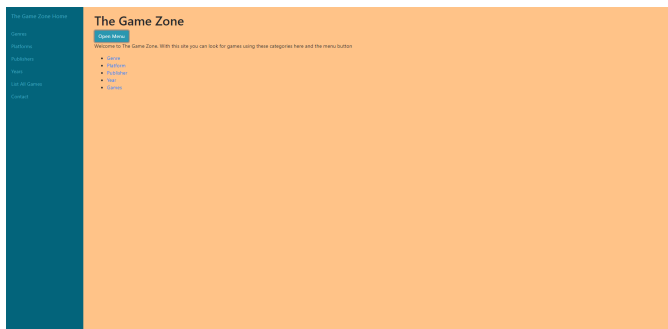


Figure 1: Home Screenshot - A screenshot of the home page showing the categories, with the sidebar open

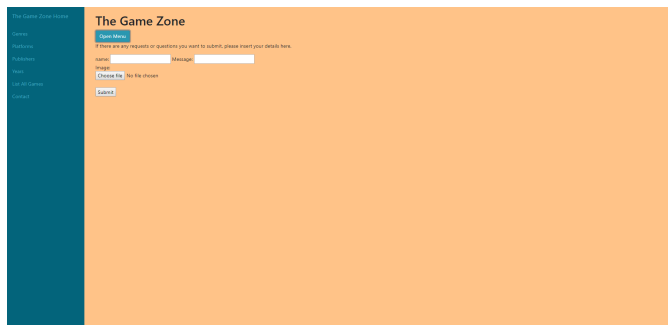


Figure 2: Contact Screenshot - A screenshot of the contact page showing the text boxes, image uploader and submit button, with the sidebar open

2 Design

The website is linked together by a bootstrap where there is a menu button which links to the home and its sub-directories (Figure 3). Every directory also has a menu button which opens a side bar which links to multiple directories. From the home page, users go through each category. Selecting genre brings the user to where they can select first person shooter, strategy, platformer and role playing games. Year allows the user to look for games from a specific year. Platform lets the user show games by what platform they were released on. Publishers shows games that were released by specific publishers. Games brings up all of the games stored on the website. When clicking on a game they are redirected to the game which is stored in the games directory, this was done so that multiples of the same games for each category. Selecting a game would show its name, an image of the game [1], a list of the categories which the game fits in an a video related to the game [2] (Figure 4). Images for the games were collected from the website mobygames [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [20] [21] [22] [23]. If the user tries to access a directory which does not exist they will be redirected to a custom 404 HTML page, which has the menu button allowing the user to go back to looking for games without clicking the go back button in their browser.

Figure 3: Hierarchy Sketch - A sketch of the website's hierarchy

- [7] mobygames, "<https://www.mobygames.com/game/doom/cover-art/gamecoverid,470018/>."
- [8] mobygames, "https://www.mobygames.com/game/doom-ii_/cover-art/gamecoverid,12331/."
- [9] mobygames, "https://www.mobygames.com/game/doom___/promo/promoimageid,28455/."
- [10] mobygames, "<https://www.mobygames.com/game/pokmon-red-version/cover-art/gamecoverid,30873/>."
- [11] mobygames, "<https://www.mobygames.com/game/pokmon-blue-version/cover-art/gamecoverid,14426/>."
- [12] mobygames, "<https://www.mobygames.com/game/gameboy-advance/pokmon-emerald-version/cover-art/gamecoverid,47698/>."
- [13] mobygames, "<https://www.mobygames.com/game/elder-scrolls-iii-morrowind/cover-art/gamecoverid,16618/>."
- [14] mobygames, "<https://www.mobygames.com/game/elder-scrolls-v-skyrim/cover-art/gamecoverid,231760/>."
- [15] mobygames, "<https://www.mobygames.com/game/x-com-ufo-defense/cover-art/gamecoverid,166122/>."
- [16] mobygames, "<https://www.mobygames.com/game/xcom-enemy-unknown/cover-art/gamecoverid,343300/>."
- [17] mobygames, "<https://www.mobygames.com/game/stellaris/cover-art/gamecoverid,328430/>."
- [18] mobygames, "<https://www.mobygames.com/game/hearts-of-iron-iv/cover-art/gamecoverid,462832/>."
- [19] mobygames, "<https://www.mobygames.com/game/super-mario-bros/cover-art/gamecoverid,14507/>."
- [20] mobygames, "<https://www.mobygames.com/game/super-mario-world/cover-art/gamecoverid,79892/>."
- [21] mobygames, "<https://www.mobygames.com/game/sonic-the-hedgehog/cover-art/gamecoverid,12913/>."
- [22] mobygames, "<https://www.mobygames.com/game/sonic-knuckles/cover-art/gamecoverid,12931/>."
- [23] mobygames, "<https://www.mobygames.com/game/alien-isolation/cover-art/gamecoverid,360468/>."
- [24] Jinja, "<http://jinja.pocoo.org/docs/2.10/templates/>."
- [25] w3schools, "https://www.w3schools.com/html/html_attributes.asp."
- [26] w3schools, "https://www.w3schools.com/html/html_form_input_types.asp."
- [27] flask, "<http://flask.pocoo.org/docs/1.0/quickstart/the-request-object>."
- [28] PythonCentral, "<https://www.pythoncentral.io/python-null-equivalent-none/>."
- [29] Python, "<https://docs.python.org/3/library/io.html>."
- [30] guru99, "<https://www.guru99.com/reading-and-writing-files-in-python.html>."