Project Proposal

Retro Gaming Corner

Conor Conlon x14499688

BSc (Hons) in Computing

Software Development

15/10/2017

1. **Objectives:**

My aim is to develop a web service for a specific market. Game collecting is a growing and consumers can spend hours searching online for a desired game at the lowest price. My service aims to make this task much easier and less time consuming. One feature of my site will allow users to enter in the title of a game and click search, this will trigger a function the searches eBay and Amazon with the users search term and return the product with the lowest price value. My site will also cater to seller’s, users will be able to type in a game name and view how much this game is being searched online and where these searches are taking place, this will incorporate google analytics.

My site will allow login for users and they can keep track of their games collection using the site by making a list and entering the details of their game. Frequently searched items will be saved and search automatically once the user logs back onto the site, if a suitable match is found, the data will be returned to the user.

1. **Background**

From my own experience it can sometimes take hours online for me to find the game I’m looking for at a fair price. Keeping a digital record of my collection with a nice UI is something I have always wanted also. The google analytics feature will help sellers estimate when may be best to sell a popular game they may have a second copy of. Retro gaming is a kind of self-sustaining market. So as long as the games and consoles are available; there will be a demand. Nintendo have recently released two retro consoles with great success. This further proves the interest and current market for this type of a service.

1. **Technical approach**

This service needs to provide a high level of user experience; the first thing a gamer is drawn to is the UI. This needs to allow the user access to all the features within 2 clicks. The site will have most features accessible on it main view but still remain tidy. I will make the Aesthetic similar to a video game menus screen. Users will need to be able to create a profile and add to their games collection list including and image and some text. The system will record repeatedly searched text that the user enters and automatically search these term once the user enters the site again and if the search gets a match the user will be notified immediately.

1. **Special resources required**

Google analytics will be used to show the user different information about their query. A web crawler will be used to search popular selling sites for the users queries and return data to be displayed. Functionality to record users repeated searches will be needed also. Database Integration will be needed also for the user profile functionality.

1. **Project Plan**

Research for my project has begun and development will follow immediately. My project idea has taken a late change in direction. Project Plan attached

1. **Technical Details**

The site will be developed using Cloud9 and written in php with css for style and JavaScript for behaviour, the site will be responsive and mobile friendly.

1. **Evaluation**

I will Test the various search feature and also the frequently searched terms. This will take some as different games may have particular tags that help distinguish them. The google analytics will also be tested to ensure quality of the site.

1. **Invention Disclosure Form**