SAGACIOUS OUTLAY REPORT

A PROJECT REPORT

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BONAFIDE CERTIFICATE

Certified that this project report titled "**SAGACIOUS OUTLAY**" is the bonafide work of "**Rohan Roy (21BCE11181), Arghya Pal (21BCE11336), Ananya Singhai (21BCE11294), Priyanshu Singh (21BCE10942)**" who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported here does not form part of any other project / research work on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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ABSTRACT

In today's day and age, games are considered one of the most crucial elements for having fun and spending time with friends. The gaming industry has revolutionized not only multimedia but also challenged the technology we use daily. Also, there are lots and lots of websites available that contain different games at different prices. To contribute towards this industry, we have developed our website containing games with a comparison of prices from all other sources and giving you the most trending game with minimal pricing.

Gaming engines such as Unreal Engine are being currently used to model and make use of its ability to project and calculate lighting value in movies gaming has changed its view on the world where many people are pursuing entertainment and game development and playing and streaming games leading to the need of more games and creation of the streaming platform, in this paper, we are going to take a look at the presented information and how the need is fulfilled.

TABLE OF CONTENTS

1 - INTRODUCTION

1.1 Introduction

Sagacious Outlay is a website designed especially for gamers; it contains various games with price comparisons from other providers. A single source to find the most trending games with the best available prices. The website also provides a brief description, shop availability, rating, reviews, and other information about the product. As a result, the consumer can compare costs and other significant aspects of the desired product/service.

1.2 Motivation For Work

The motivation to develop this website was that there are various websites that have games, but we wanted to create a single space where users could find both, trending games as well as price comparisons.

1.3 About Introduction

We have developed a website using different web development frameworks like Html, CSS, JavaScript.

1.5 Problem Statement

Create a website that fetches real time prices for games from different websites and draws a comparison between them.

1.6 Objective

Our primary objective is to provide users with a platform where they have easy access to all the trending games and can compare prices.

1.7 Summary

Sagacious Outlay is a website designed especially for gamers; it contains various games with price comparisons from other providers. A single source to find the most trending games with the best available prices. The website also provides a brief description, shop availability, rating, reviews, and other information about the product. As a result, the consumer can compare costs and other significant aspects of the desired product/service.

2 - LITERATURE SURVEY

2.1 Introduction

Internet usage has increased tremendously and rapidly in the past decade. Websites have become the most important public communication portal for most, if not all, businesses and organizations. Poorly designed websites may frustrate users and result in a high "bounce rate", or people visiting the entrance page without exploring other pages within the site. On the other hand, a well-designed website with high usability has been found to positively influence visitor retention (revisit rates) and purchasing behaviour.

Over the past two decades, a new industry of price comparison websites (PCWs) or 'web aggregators' have emerged. The industry has enabled consumers to check the prices of many firms selling a particular service or product simultaneously in one place. This promises to be particularly helpful to consumers in a world where prices of even seemingly homogeneous items are typically dispersed. The sites are popular in many countries, and in many markets including utilities, financial services, hotels, flights and durable goods.1 These sites command billions of dollars of revenue annually.2 In the UK, PCWs for utilities and financial services have been particularly successful. In 2017, the UK's Competition and Markets Authority estimated that 85% of consumers have used such a site.3 The revenue of the four largest aggregators in the UK grew by 15% on average over 2015-16 and a conservative estimate of the group's total 2016 revenue is £800m ($1.1bn).4 The Internet has altered search costs, allowing consumers to compare prices across firms in a matter of clicks, intensifying competitive pricing pressure between firms. While a consumer may not know of all the firms in a market, a PCW can expose the full list of market offerings, maximizing inter-firm pressure. However, underlying this increased competition are the fees paid by firms who sell their products through the websites.

Game Development is a mix of IT and ART fields and can be described as the art of creating and designing games, it involves the design, build, testing and release. When designing games, it is important to think about the game mechanics, rewards, player engagement and level design.

On this website, we'll be combining both of the issues, the website for all genres of games with all the different prices, and their comparison.

2.2 Core area of project

i.   Identifying clients needs

Accurately identifying the client's needs is the key to ensuring that you produce the right product. Good project managers don't just assume that they already know what the needs of the client are for the project at hand. Thus, one of the first steps in project management is to sit down with the client and go through the project at length and in detail.

Experienced project managers can identify potential problems with the client's needs or wants during the initial meetings. This ensures solutions are built into the plan while uncovering issues early.

A project manager that works through a thorough needs analysis is able to present a detailed and comprehensive plan.

ii.   Planning

Project planning is easily one of the most critical steps of project management that cannot be overlooked. Building a comprehensive plan for the project allows the project manager to break the project into stages. They are; determine resources required for each stage, allocating material, equipment and labour requirements along with aligning the budget and timeline for the project.

Proactive project managers will take into account the possibility of issues and contingencies that may arise, such as weather and market conditions, that can delay the execution of the project. By taking these potential issues into account - they are able to build them into the timeline which helps ensure that the project will meet the schedule.

iii.   Monitoring

The planning stage helps the project manager set out the goals for each stage as they are breaking them down. As in all goals, being measurable is what ensures success. Continual monitoring is key. The start-up phase of any project is critical, it sets the stage for monitoring and measuring the metrics developed in the plan to track the progress in order to maintain the schedule and remain on budget. Great project managers are able to make adjustments and adapt the plan while re-aligning goals for that particular stage.

The progress information and monitoring are documented in the form of a progress report. Proactive project managers rely on these reports and documents for their communication with the designers,

engineers and construction teams. They also set the stage for client site and progress meetings. This documentation ensures that the project manager, his team, suppliers and subcontractors are accountable and compliant with all contracts.

iv. Communication

The key is to clearly communicate expectations, which is why project managers need to be master communicators. Being able to utilize all available tools to accurately define goals, and expectations and effectively document these conversations is in the end what truly defines a great project manager. Accuracy, accountability and transparency are required at all levels to fulfil this goal.

v. Collaboration

The last key element for success in project management is realizing how to leverage knowledge and experience. The truly smart person looks for understanding and learning in every interaction, they proactively listen to understand.

2.3 Summary

This methodology encourages collaboration which in turn promotes the successful execution of the plan. Allowing for collaboration means people can get tasks done quicker - while actively inviting a variety of voices on the project to make suggestions and offer opinions.

3 - System Analysis

3.1 Introduction

Price Comparison websites are also known as "Aggregators" because they aggregate information on a product from many websites offering online shopping of the product. These sites render you easy and lucid comparisons of the prices on offer of a product under consideration, without any toiling involved, on a single screen in a matter of a few clicks of the mouse! These sites manage to save a substantial amount of effort, time and money of the prospective shopper, and above all, take away the headache of compiling information.

3.2 Disadvantages/Limitation of our project:

Although our website has a numerous number of advantages yet it still has some limitations:

1. A huge database is not available.

2. Business model relies just on ad revenue.
3. Not all Insurers use them.
4. Fixation of price.

3.3 Proposed System

Our following project is mainly based on Price Comparison of Games where a certain user can check our website and compare the prices of their favourite games and eventually buy them at cheapest prices. Our website always gets updated in terms of prices and real-time description of the following product which they want to purchase and play. We really hope each and every customer will love our website because they do not need to wander around to get the best deals for their games and visit different websites, etc. As price comparison website for games are almost vulnerable in today's world so we developed and uploaded it to web for the betterment of customers.

3.4 Summary

A comparison-shopping website, sometimes called a price comparison website, price analysis tool, comparison shopping agent, shop Bot, aggregator or comparison-shopping engine, is a vertical search engine that shoppers use to filter and compare products based on price, features, reviews and other criteria. Most comparison-shopping sites aggregate product listings from many different retailers but do not directly sell products themselves, instead earning money from affiliate marketing agreements. In UK, these services made between £780m and £950m in revenue in 2005. Hence, E-commerce accounted for an 18.2 percent share of total business turnover in the United Kingdom in 2012. Online sales already account for 13% of the total UK economy, and it's expected to increase to 15% by 2017. There is a huge contribution of comparison-shopping websites in the expansion of the current E-commerce industry.

4 – System Design & Implementation

4.1 Introduction

Price comparison tools allow you to compare the prices of different retailers by entering the product name to find your product. The price comparison tools then show you a list of retailers that sell the same product and at what price they sell it.
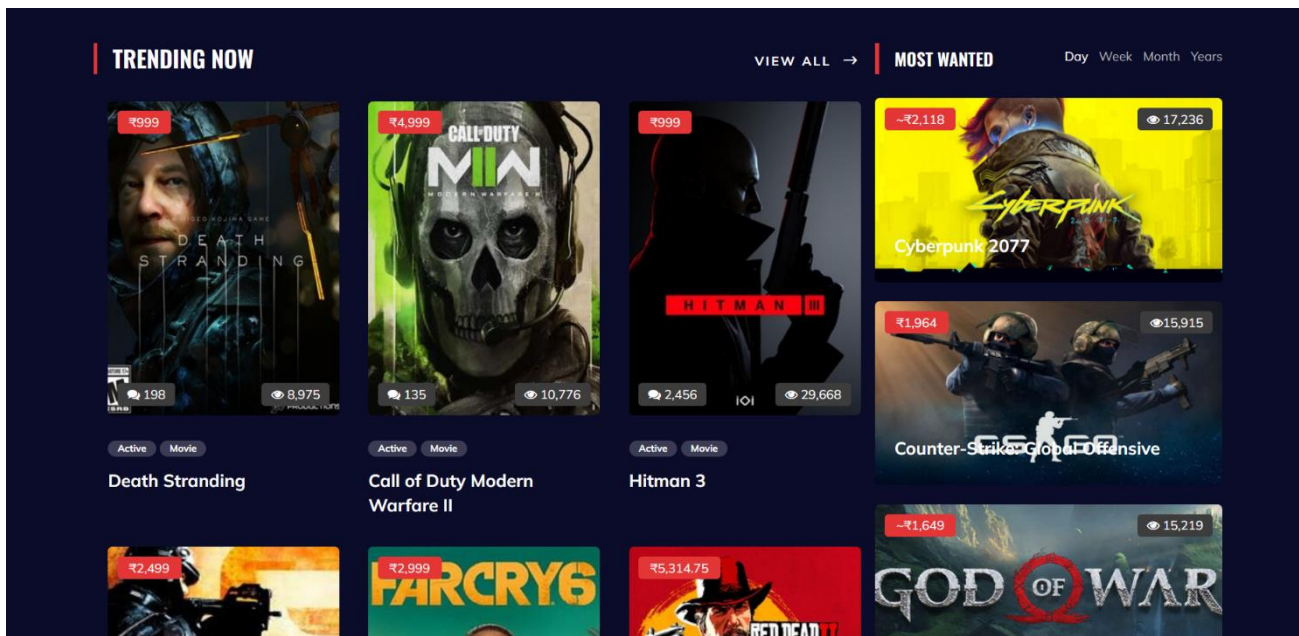
Price comparison engines look through multiple e-commerce sites to collect data about products and services such as prices, descriptions, features, reviews, etc. This information is then aggregated in a price comparison website and the results are curated according to the search engine. Visitor request.

Thus, when a customer searches for a product on a price comparison website, the site compares and displays listings of the same product from multiple sellers. Then the shopper can compare listings based on pricing, features, shipping costs to find the best deal.

The algorithms that drive price comparison functions use data as input. Retrieving and updating this data in real-time is a challenge for price comparison systems. In addition, e-commerce sites use dynamic pricing that changes frequently and needs to be updated immediately with price comparison engines. For example, it takes Amazon exactly two minutes to adjust to a price change, which is 43,000 minutes faster than the industry average.

4.2 Module design & Implementation

In this following part we will discuss the working function of our product and how it implements in our website.

This following page is made up and termed as index html where we can search the most trending, popular, most wanted as well as new arrivals of the latest as well as most exciting games are available in the website

So here is the code:

```html
<div class="col-lg-4 col-md-6 col-sm-8">
    <div class="product__sidebar">
        <div class="product__sidebar__view">
            <div class="section-title">
                <h5>Most wanted</h5>
            </div>
            <ul class="filter__controls">
                <li class="active" data-filter="*">Day</li>
                <li data-filter=".week">Week</li>
                <li data-filter=".month">Month</li>
                <li data-filter=".years">Years</li>
            </ul>
            <div class="filter__gallery">
                <div class="product__sidebar__view__item set-bg mix day years"
                data-setbg="img/sidebar/tv-1.jpg">
                <div class="ep">~₹2,118</div>
                <div class="view"><i class="fa fa-eye"></i> 17,236</div>
                    <h5 class="cyberpunk__text"><a href="detail-cyberpunk.html">Cyberpunk 2077</a></h5>
                </div>
            </div>
            <div class="product__sidebar__view__item set-bg mix month week"
            data-setbg="img/sidebar/tv-2.jpg">          Arghya Pal, last month • Add files via upload
            <div class="ep">₹1,964</div>
            <div class="view"><i class="fa fa-eye"></i>15,915</div>
            <h5><a href="./anime-details15.html">Counter-Strike: Global Offensive</a></h5>
        </div>
        <div class="product__sidebar__view__item set-bg mix week years"
        data-setbg="img/sidebar/tv-3.jpg">
        <div class="ep">~₹1,649</div>
        <div class="view"><i class="fa fa-eye"></i> 15,219</div>
        <h5><a href="./detail-godofwarrag.html">God of War</a></h5>
    </div>
    <div class="product__sidebar__view__item set-bg mix years month"
    data-setbg="img/sidebar/tv-4.jpg">
    <div class="ep">₹4,799</div>
    <div class="view"><i class="fa fa-eye"></i>14,774</div>
    <h5><a href="./anime-details18.html">Sekiro: Shadows Die Twice</a></h5>
```

This is the code we implemented.

4.3 Summary

This is how we implemented our code to run the following website and get to know about it. We have specified every single info available and made it precise so that it will be useful for the user to get to know of our Interface.

5 - Future Enhancement

5.1 Introduction

Here we will learn about what are the specific things or modules we can add in future so that our website will work more smoothly and any user or customers can use this interface in a more systematic manner.

5.2 Limitations of our product:

Although our website has a numerous number of advantages yet it still has some limitations:

- A huge database is not available.
- Business model relies on ad revenue.
- Not all Insurers use them.
- Fixation of price.

5.3 Future Enhancement

In future we will provide many features for our web development project and these are as follows:

- Provide add to cart option to our website.
- Subscribing newsletter to our website.
- Adding secured firewall for better transaction and security to our website.
- Creating the option for payment history as well as refund for the following games.

5.4 Conclusion

In this report, we have covered different aspects of our project in detail including limitations and future improvements in our website.

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