AT2

Movie Database Application

Multi-platform Report

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Course:

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# 1 Introduction

* 1. Purpose of the Multi-platform Report

The purpose of the Multi-platform Report is to outline the differences between the two design options, Adaptive and Responsive Design, and to come to a conclusion on which design is more suitable for the Movie Database Application.

This document aims to clearly describe each design option and provide advantages and disadvantages of each, as well as describe the reason for our selected design approach.

# Adaptive Design

* 1. Definition of Adaptive Design

Adaptive Design is the design of a website in which there are several fixed layout sizes. When the website is loaded it detects the amount of space that is available and select an appropriate layout size which is then displayed on screen. Adaptive Design is more suitable for designing websites that target a specific device.

2.2 Advantages and disadvantages of Adaptive Design

Benefits of Adaptive Design include allowing designers to build amazing websites tailored to a specific device and being able to optimize advertisements based on user data from smart devices. Developers are able to tailor a website to suite specific devices to produce excellent user experiences.

The downside to Adaptive Design is that it is labour-intensive and inefficient for websites designed for several devices. Websites must include layout designs for multiple screen sizes which can be time consuming. Websites are most commonly designed for desktop or smart phone devices, which can cause problems when viewing those sites from a tablet device.

# Responsive Design

* 1. Definition of Responsive Design

Responsive Design is the design of websites in which the position of each element is determined by the available browser space. Elements on the site will automatically adjust their position as the browser size is resized. For mobile devices and tablets this happens automatically as the browsers are full screen. This form of design allows developers to design a single, “one size fits all” website that can be viewed on multiple platforms.

* 1. Advantages and disadvantages of Responsive Design

Advantages of a Responsive Design include being highly efficient due to the ability to design a single website that is able to be successfully viewed on multiple devices, reducing the amount of development time as there is no need to worry about multiple layout sizes. There are many templates that can be used to streamline this design approach.

Some of the downsides to Responsive Design are that elements can move around on the screen as the browser is resized and will sometimes be pushed into strange positions. Advertisements can also be pushed outside screen. This increases the need for testing on different screen sizes. Websites can also take slightly longer to load on mobile devices.

# Conclusion

Our client has requested a Movie Database Web Application that is able to be accessed across all major digital platforms. For this reason we have decided to use the Responsive Design approach to produce a website that is visually appealing and responds smoothly to changes in web browser size.

This decision will allow our developers to operate more efficiently and focus on a single site that is accessible on all devices.