Sprint One – Multi-platform report

Team Orange

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# Multi-Platform Report

## Introduction

This report has the purpose of determining which web development technology, adaptive or responsive, to be used for Team Orange’s project. To deliver a little background information of the web program, it is a website that’s connected to a database which has the purpose of user input searching for movie records as well as displaying top 10 searched movies. In brief, this report will provide the necessary information and point out which will be used.

## Adaptive

Adaptive web design practice requires the developers to create multiple versions of webpages that better fit on every different devices, which means the developers need to create one .css file for each device.

## Responsive

Responsive web design practice delivers content to the users by auto-adopting the screen sizes of the devices, and provide the best user experience by minimizing the resizing, panning and scrolling with the use of fluid grid layout.

## Side by side comparison

|  |  |
| --- | --- |
| Responsive | Adaptive |
| Same layout for all screen size | Different layouts according to the device and OS |
| One .css file fits all | Multiple version .css files for each different size |
| Hard to build as making one design for multiple devices could be complex | Easier to build as design layouts according to device |
| Works on any screen size | Work on Single screen size for each .css |
| Loads faster, only load a single layout | Loads slower, load entire possible layouts |

## Decision: Adaptive or Responsive

Due to numbers of reasons, **Responsive web design practice** will be used for the project.

1. **Responsive** requires to only create one .css file for all devices which **reduces the amount of budget** required comparing to **adaptive**, as it requires developers to create multiple .css files which **increases the amount of time and money required**.
2. Responsive method allows the web page to load quickly, increasing client satisfaction, whereas adaptive method loads slower.
3. Responsive practice fluidly fits all screen sizes whereas Adaptive practice aims to fit only one size.