|  |
| --- |
|  |
| Multi-Platform Report  Rapid Application Development |
| |  |  |  | | --- | --- | --- | | Ben Royans | 5/29/20 | Rapid Application Development | |

TABLE OF CONTENTS

[Adaptive Design 2](#_Toc41658734)

[Description 2](#_Toc41658735)

[Advantages 2](#_Toc41658736)

[Disadvantages 2](#_Toc41658737)

[Responsive Design 3](#_Toc41658738)

[Description 3](#_Toc41658739)

[Advantages 3](#_Toc41658740)

[Disadvantages 3](#_Toc41658741)

[Project Selection 4](#_Toc41658742)

# Adaptive Design

## Description

Adaptive design refers to the creation of websites that operate within static thresholds for display resolution, known as the viewing context. The viewing context of the target device is assessed and a set of stylings are applied accordingly to the elements of the web page.

## Advantages

The main advantage of adaptive design is the final presentation of the webpage’s display is much more predictable during development. This is due to the elements being sized according to a selected fixed layout, determined by the screen’s resolution.

## Disadvantages

Adaptive design is limited to the static definitions of resolutions defined by the developer. As the webpage is loaded, and the resolution is assessed, a pre-determined layout is selected appropriately. Adaptive design has limitations here bound by the definitions of the developer.

Once a webpage is loading, adaptive layout selection is no longer applied. For example, in modern devices where it is possible to scale the resolution of the web browser on screen, the webpage will not adapt its design to a modified screen resolution after the page has loaded.

# Responsive Design

## Description

Responsive web design refers to the creation of websites using dynamically sized elements that are responsive to their parent containers, and ultimately the display resolution.

## Advantages

Responsive design is extremely flexible in it’s rendering approach. The designs are fluid

## Disadvantages

# Project Selection

For this project we have to chosen a responsive design. Responsive design will provide an overall better look and feel to the finished product across a broader range of devices and resolutions.

This design choice will also provide some future-proofing when it comes to keeping the designed layouts relevant as they are truly more responsive to the target device. This is in contrast to adaptive designs which may become out dated as device technology advances and the nature of display screens evolve.