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Homework Assignment

**Responsive Web Design**

A “Responsive Web Site Design” is an approach where the creator makes a website that responds to the user’s electronic. This consists of the screens size, platform, and orientation. Electronics like an Apple TV, cell phone, and laptop are all different when it comes to size. It is the creator’s job to make sure that the website(s) images, layouts, and grids all fit the screen appropriately. To complete this an intelligent use of CSS is needed. The website should be able to identify the electronic being used and automatically switch to match the resolution of the screen.

A “Responsive Web Site Design” is important when creating a website because it eliminates the need for a different design and development phase for each individual screen size. Doing that is too time consuming, and many mistakes can be made in the process. Designing a landscape and portrait website is important. It makes everything easier for both the creator and user.

**Agile History & Methodology**

In the year 1970 a man named Winston Royce presented a paper called “Managing the Development of Large Software Systems”. This paper criticized sequential development. He believed that software should not be developed in order. He noted that every phase of the project must be completed before the next phase could begin. Dr. Royce was against this because he felt like this approach resulted in lack of communication between specialized groups that complete each phase of work.

The agile methodology provides an opportunity to asset the direction of a project throughout its development. This works when teams use sprints to present a potential shippable product. This methodology helps companies build the best products. Allowing them to continuously replan their releases and look at new ones; instead of committing to one market place. This also allows the software designers to be more competitive.

**Six Sigma History & Methodology**

The Six Sigma is a process towards improvement in manufacturing or business. It allows you to improve processes that create an existing service or product. There is the first step which is called the “DMAIC Process” which goes as follows: define the customer and organization fields, measure specifications, analyze independent variables, improve the process by eliminating any possible defects, and control the process to keep improvements going. Then you have the “DMADV Roadmap” and “Conclusion” to complete the process.

The Six Sigma is important because it makes business more efficient and satisfies the customers more. Its strategies get rid of errors so that the results are constantly being achieved. Overall the six sigma is an organized step by step process that leads to the most successful businesses.