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1. Responsive Web Site Design – What it is and why it’s important.

Responsive web site design allows the web pages to be viewed in the size of the screen or the web browser the user is viewing in. This allows the user to have their preferences of viewing the website to be accommodated without having to invent a new device to use this function. As we progress into the future, our technology is gradually improving. With new devices varying in sizes and screen resolution, it is important that the website can change its orientation. A few years ago, the images couldn’t even fit on the page. Even if it did the images would be blurry. It wasn’t flexible to change a computer sized screen to a netbook sized screen. As a temporary fix for this problem, images can now be automatically adjusted allowing users to work from a large computer screen to a notebook sized screen.

Responsive web site design is important because it allows the user to change the orientation based on their preference. Many websites are visited by many different devices varying in screen sizes. To provide the best experience for the user is by making sure the website is functional and meets the preferences they want. Another reason why responsive web site design is important because it is convenient and saves time. A responsive web site design can save time from creating a separate website for mobile devices and regular desktops. This also allows for future scalability. By having new devices with new screen sizes, the website will be able to adjust to the screen size and fit the screen.

1. Agile History & Methodology – What it is and why it’s important.

Scrum is one of the best agile practices in use today. It is written from the end perspective of the end user and all these stories are linked to the product backlog. The product backlog contains all the feedback that might make your product better. There is a team of people that will collaborate to make the product start. The product owner makes sure that the right features make it into the product backlog and represents the users of the product. The scrum master’s role is to make sure that the project is running smoothly and that every person on the team has the necessary tools to complete the job. This person sets up meetings and monitors the work being done. The progress is later recorded on a burndown chart. The burndown chart allows the company to predict how fast they are working and when they can release their product.

Scrum is important because it helps plan what your product is and what you want the product to be about. The backlog helps gather feedback from the end user to help make your product better. With the team of people, different people have their own opinions about the product which can lead to different ideas for the product. There is a supervisor to make sure that everyone is doing their role and that they stay on track with the burndown chart. After identifying which user story is appropriate for the product, then they can get an estimate amount of time to complete the product. Daily meetings are held to make sure everyone is accountable for their role and everyone has the necessary tools to complete their work. After each sprint, team members come together in a meeting and reflect on their experiences. Scrum is a highly flexible process to help meet your team’s preferences.

1. Six Sigma History & Methodology - What it is and why it’s important.

Six Sigma is a process intended to improve the manufacturing or business processes by reducing the probability of an error or defect from occurring. There are two methodology under Six Sigma. One Six Sigma methodology is DMAIC which stands for define, measure, analyze, improve and control. The second methodology is DMADV which stands for define, measure, analyze, design and verify. The DMAIC methodology should be used when a product is currently being used, however, something is causing the product to decrease in performance or it is not meeting customer specification. The DMADV methodology should be used when a product has not been created or the product has not met customer specification.

The different methodologies are important because they help design your product and help improve it to make sure that the product is successful. Each methodology has their own set of guidelines to help improve your product and guide you through the process with the use of statistics. The dependence on evidence can ensure that whatever decisions are taken, it will have the desired effect on the quality of the product and the efficiency of business processes. To beat the competition in the business world, the companies must persuade that their product is better than the rest. Over the years, Six Sigma has helped resulted in greater customer satisfaction and has built customer loyalty.