

Project Management Report

This report will cover the advantages of project management software and the best choice of methodology to use on the current project. It will highlight the many uses of project management software and why they are used in the IT industry as well as what is making them increasingly popular.

With each year that passes the IT industry seems to grow quickly and companies compete with each other at a fast pace, this means that large companies can have a lot of projects in development at the same time, which means a single project manager working for one of these companies could be overseeing several projects and managing several teams. In this situation project management software can make a project manager's job much easier as well as the teams that work on the projects.

Advantages

All projects have a 3 main parts which are commonly known as the scope triangle which consists of, Scope, Cost and Time. Project management software allows managers to see these 3 parts easily and see if a project is viable or not.



Scope: is the overall size of a project which is determined by figuring out the requirements and the functionality that a project needs to be completed there are terms used for doing this such as scope creep but project management software is used to visualise the scope.

Time: is the overall length of time the project will take to be completed by figuring out how long each task will take as well as establishing a the time available to be used by resources.

Cost: is the overall cost of the project which is figured out by completing the first two steps followed by gathering information about the resources that are available to a project.

Project management software can again be used to visualise the cost as well as see most of the risks with the project at this point.

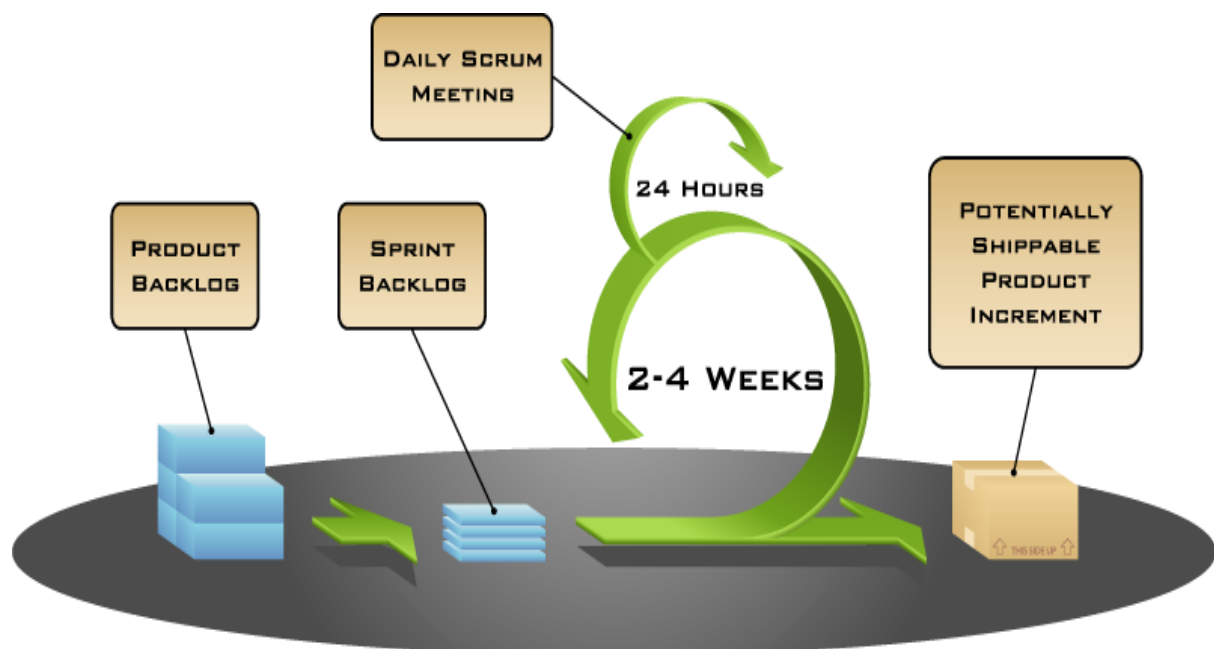
Project management software has many other uses other than establishing the scope of a project such as,

- Allowing better communication and collaboration among all stakeholders in a project by creating a central repository of information.
- It allows great visibility into the status and progress of a project as well as seeing unexpected risks and learning how to deal with them in future projects.
- Information stored in project management software is easier to access and more secure than using manual methods such as excel spreadsheets and hard copy documents. This is also useful as a guideline when undertaking future projects that are similar by allowing managers to see how a project was completed and to try prevent any risks that might have happened.

Choice of Methodology

The methodology I would chose for the project in question would be an agile methodology such as scrum even though the project seems like it would be better suited with a Waterfall or RAD approach you can clearly see as the project develops that when problems arise Agile methods are the only way that can easily adapt to solve the problem and keep the project scope in balance.

Scrum



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There are many reasons that I would choose scrum for this project which are,

- The teams on the project and the project manager fit into the roles of scrum, For example every scrum project has to have a scrum master and the project is broken up into different sections which are carried out in sprints with regular feedback between stakeholders.
- Scrum allows adaption so for example when the Director gets sick the project manager has to adjust teams and tasks so that the work can get completed and keep the quality of the project balanced.
- Scrum is a methodology that requires active feedback between teams and the scrum master so this feat alone can allow a project manager to deal and even prevent many risks that can pop up unexpectedly in a SDLC. This feat also will allow teams to work more closely with each other.
- Scrum also allows the scrum master to prioritize the backlog of tasks that can build up which happened in the project when some tasks took longer to start than they expected and some took longer to finish.

There are many other reasons why Scrum would suit this project if I were to go into much more detail but I feel that the above descriptions are clear enough as they highlighted some of the critical moments of the project.