

Scope Management - Webpage Development

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Introduction

The project: deploying a new customer-facing webpage showcasing their different 3D printing products as well as filaments and spools. a 3D printer company (Siegel, 2019) discuss from textbook here

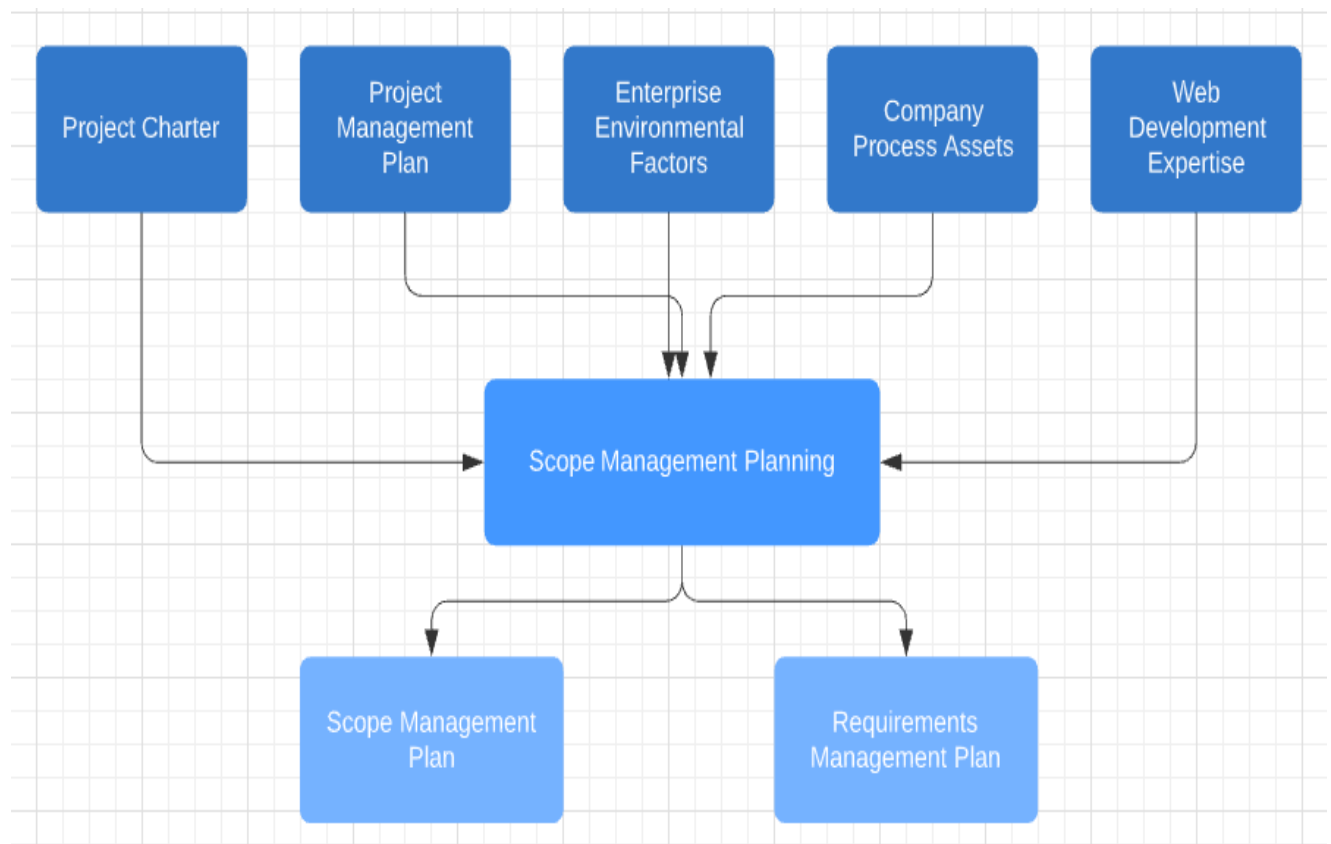
Scope Management

Project plans must not only define scope, but also outline how scope will be generated and supervised. A few integral elements are necessary for this project's scope management plan: the project charter, the project management plan, and knowledge of enterprise environmental factors and company process assets (Project Management Institute, 2017). The charter is a declaration of the webpage project that details the criteria, germinal requirements and deliverables, risk, milestones, stakeholders, and financial resources, and assigns a project manager, granted the authority to utilize company resources. The webpage project management plan establishes the elemental project cost, time, and scope. These references will be later refined. The plan encompasses stakeholder engagement in addition to resource, risk, and communications management as well. Furthermore, the plan describes the project life cycle and development approach. Factors such as the company culture, policies, and administration, the current website support, and competitors' actions also influence scope creation. Lastly, personnel involved in previous website updates and consulted experts in web development will shape scope.

As a result of this planning process, both a scope and requirements management plan will be assembled (see Figure 1). Project members empowered by agreed upon processes can then form a scope statement and know how scope will be maintained throughout the duration of the project. Procedures for how the webpage requirements will be tracked and modified enable developers to meet the deliverables.

Figure 1

Scope Management Deployment



Note. Created in <https://lucid.app>.

Lifecycle and Development

For this project the team will apply an iterative life cycle. To develop the webpage the team will adhere to Agile development specifically employing Scrum methodology. The life cycle will allow the engineering team to generate the webpage across iterations and receive feedback sooner. As the team completes sequential deliveries, they will learn faster about the product.

Agile is an approach to project management that ensures requirements are met throughout the life cycle in incremental phases or sprints. Teams that adhere to Agile embrace failure in the execution phase, relying on quick cycles and frequent customer interaction to allow for early corrections, and focus on delivering results in the form of working software (Gheorghe et al., 2020).

Scrum involves short work periods or sprints that consist of a small number of activities. The framework manages changes in scope through the use of a product owner and product backlog. The product owner is responsible for manifesting the project's value by prioritizing items to be included in each sprint from the product backlog. The backlog maintains a collection that describes the product's features. Additionally, the product owner directly interfaces with stakeholders whenever they request project changes. Engineering teams that respect the product owner's authority will be able to concentrate on technical excellence, adapt to mutable requirements, and shield against competing external change requests.

Security

Need to discuss possible security issues with the site, hardware, and configuration as well. Webpage security:

<https://www.toptal.com/security/10-most-common-web-security-vulnerabilities>

<https://www.guru99.com/web-security-vulnerabilities.html>

Conclusion

Conclude

References

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