Technical Report

Project Methodology: Course Assignment

by Yuliia Ferreira

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Contents

1. Summery

In this task we practicing to plan and document projects and development processes. Use some of the most common planning tools and collaboration methods.

2. Body

2.1 Introduction

It is important to establish goals and follow a timeline before embarking on a project, as this keeps the team focused, facilitates planning, and ensures that the final results are delivered on time.

A **website project** timeline should list the most important milestones that represent the major stages of creating the website. Each stage should be given a set length of time that corresponds to its size and complexity

2.2 Main section of report

There is a set of objectives that need to be accomplished in order to complete each stage

1. Planning And Discovery

Discovery is so important, we have made sure it's a primary component of our business development process. Without discovery, how can any agency know how long a project will take, or even more importantly, how much it will cost?

2. Design

Once the research and planning are done, the project is ready to move on to the design stage. A major part of this stage is the creation of mockups that are presented to the client for approval. The goal of this stage is to establish a look for the website that the client is happy with and to determine the functionality that the client needs. A mockup, which is a visual representation presented to the client in order to demonstrate the website's intended look, usually includes the following items:

- Homepage design
- Internal page designs
- Desktop and Mobile views.

3. Content Creation And SEO

Not only is it important for a website to have appealing style and functionality, but it is crucial for it to have great content that will appeal to the intended audience and perform well on search engines. This stage can be time-consuming if it is a large site, taking an average of 5 to 15 weeks, often overlapping with other stages. However, the effort is well worth it. Website content consists of the following elements:

- Key messages
- Calls to action
- Content migrated over from existing sites
- Effective page titles and headings
- Search engine optimization: keywords optimally placed within content, titles, headings and image tags

4. Development And Coding

Once the design is approved and all the content is ready to be placed, the task of building the actual website can begin. Although there is little to no involvement of the client at this stage, it still takes up a significant portion of the overall project timeline, from 6 to 15 weeks on average.

5. Testing

Once all the developing of the website is complete and it is fully functional, it must go through a period of testing before launch. The beta testing phase typically takes 2-6 weeks and should accomplish the following objectives:

- Review and receive feedback from intended audience and investors.
- Ensure proper functioning across multiple devices, screen sizes, and web browsers.
- Make sure the site looks and functions as per the specifications of the client.

6. Launch

Once all parameters of the beta testing are fulfilled, the site is ready for its official launch. Since all the work of developing and testing is done, this major milestone should be simple

and quick, taking only one day. If the website is extremely complex, involving a variety of apps and components it can take a bit longer.

Roles & Responsibilities

User Interface (UI) Designer

The UI designer, also referred to as a web designer or graphic designer, is concerned with the visual presentation of the website. The UI designer may work with other graphic or print designers to coordinate the website's appearance with related materials, or if appropriate start from scratch to develop a visual identity, including logos, fonts and color palettes. The UI designer then takes these elements, along with the UX designer's wireframes, and develops a set of web page designs with full visual treatments. The UI designer may then turn these designs into web page templates using HTML and CSS, or may coordinate this task with the web developer.

Web Developer (WD)

The web developer (programmer) builds the functionality of the website. This may include client-side scripting (JavaScript, or JavaScript-based tools like jQuery) as well as server-side scripting (PHP, Python, Ruby, ASP.NET, or compiled languages like C++ or Java). The web developer may also build HTML/CSS page templates or may coordinate with the web designer for this task. The web content specialist is responsible for organizing, preparing and loading website content, typically using a content management system (CMS). The web content specialist typically has at least a basic understanding of HTML and/or XML, and a strong familiarity with site content and the overall business or organization behind the website. The web content specialist should also have strong copywriting and editing skills. Web content specialists may also work with media files such as audio, video or interactive (Flash), and therefore may need those skills or may work with another media specialist outside of the core web team to develop rich media content.

Quality Assurance (QA) Tester

The QA tester is responsible for ensuring that the website functions as intended. The QA tester will work with the IA and UX designer to determine a set of tests to be performed once the site is complete, to determine whether or not the site does what it is intended to do, and that it is free of bugs or other defects. When development and content preparation are complete, the QA tester will coordinate one or more rounds of testing, collecting feedback to deliver to the web developer for troubleshooting. This process will be repeated as necessary until the site is ready for launch.

Server Administrator (SA)

The server administrator (or sysadmin) is responsible for the technical configuration and maintenance of the web server where the site will be hosted. This includes maintaining the server's operating system (typically Linux or Windows Server), the web server software (typically Apache on Linux or IIS on Windows), and any associated database software (MySQL, SQL Server) and scripting interpreters (PHP, Python, Ruby, ASP.NET) that may be required for operation of the website. The server admin may also be responsible for deploying site updates from the staging environment or source control system to the server.

Project Manager (PM)

The project manager coordinates all activities of the various project team members, tracks schedules and progress against milestones, and facilitates communication both between team members and between the team and the client (if applicable). The project manager may be a standalone role or it may be a role taken on by one of the other members of the team. The project manager does not necessarily need to possess any of the specific technical skills of any of the above roles, but the PM should know enough about each role to be able to effectively communicate with all team members and the client.

2.3 Conclution

Even though Gantt charts help project managers and decision makers with various issues and smoothing the whole process, they fail to tend to several issues. Gantt charts fail to offer quick solutions when it comes to issues being caused by unforeseen events, making it an inflexible project management system. Moreover, it may be a hassle to keep updating the chart consistently, or even expect teammates to update their own charts on a regular basis. Finally, Gantt charts do not emphasize task expectations or purpose; it solely displays how far along a project will reach at a certain point in the future.

3. References

https://lms.noroff.no/

https://www.npgroup.net/blog/the-timeline-of-creating-a-successful-website-development-launch-and-beyond/

4. Appendices

Lofthus frukt og saft

The website "must have"

As a customer,
I want to have possibility to see much information of the product,
so that I can fint out what I need.

As a business owner,
I want to show and advertise the product,
so that I can increase my product selles.

Health effects	Consumer friendly	Nice to use	Looks nice and modern

As a customer (parent),
I want to know at juice is 100% natural product, without any sugar added,
so that I can buy it for my kids.

As a customer who adheres to proper nutrition,
I want to know at juice is contains all needs vitamins and minerals,
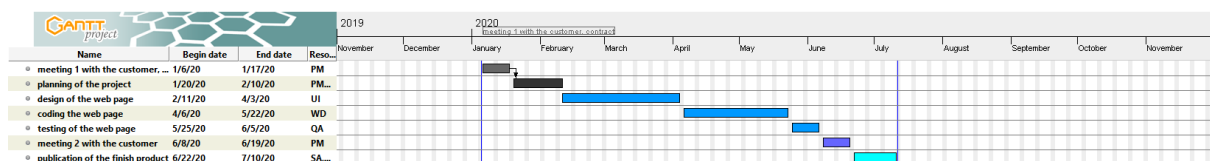so that I can add this juice to my diet.

As a customer (dentist),
I want to know at juice is not linked to tooth decay,
so that I can recommend to my patients.

As a customer,
I want at the website is consumer friendly, looks good and modern,
so that I like to use.

As a owner,
I want at there are all information, and it is easy to find out all that customers need,
so that I can get more customers.

As a owner,
I want to have on the webpage order and delivery form,
so that my customers can buy online.

Gantt Project

Resourses chart