



DE LA SALLE UNIVERSITY- MANILA
Gokongwei College of Engineering



OrgConnect: Centralized Access to DLSU CSO Organizations

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Subject / Section : LBYCPG3 / EQ6

Remarks:

Description:

The proposed project is a centralized website that showcases all the organizations under the Council of Student Organizations (CSO) at De La Salle University Manila. The goal of this platform is to provide students and professors with a convenient and accessible way to explore and learn about the various organizations on campus without the need to navigate through multiple social media pages. Discovering the full range of available organizations can be challenging for students interested in becoming involved in extracurricular activities. This website aims to address that issue by serving as a centralized and user-friendly resource.

Objectives:

- To develop a fully functional and user-friendly website using HTML, CSS, and JavaScript that effectively presents information about all CSO organizations.
- To centralize information about all CSO organizations at DLSU Manila into a single, easy-to-navigate website that serves as a reliable directory for students and faculty.
- To streamline the discovery process for campus organizations by eliminating the need to browse multiple social media platforms, thereby enhancing accessibility and user experience.

Features:

- User-friendly website dashboard
- Information about CSO
- Announcements section for updates
- Information of organizations under CSO which includes description, mission, vision, events, and contact information.

Target Audience:

The primary target audience for this website includes students and faculty members of De La Salle University Manila who are interested in learning more about the various organizations under CSO. This website is especially valuable for students seeking opportunities to get involved in extracurricular activities, as well as faculty who wish to stay informed about student-led initiatives and events.

Methodology:

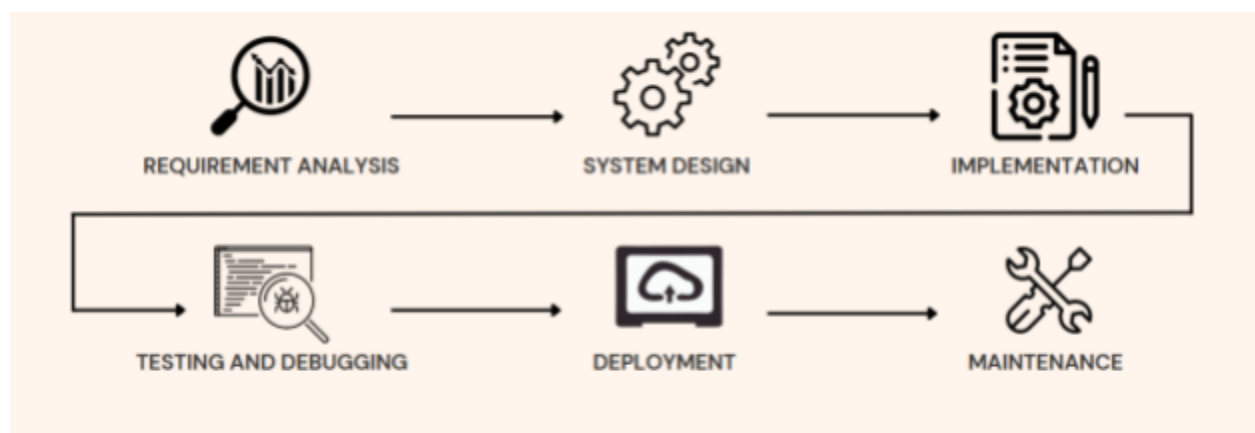


Figure 1, Waterfall Development Model Flow Chart

The approach used when doing the project was the waterfall development model. Waterfall model is selected for the methodology of the project since it is a step-by-step project management approach that follows a set sequence, with fixed timelines, requirements, and expected results (Gallagher et al., 2019). First step of the model, requirements were gathered like: what will be put on the website, what information is needed for the website, and what tools will be used. The second step is system design. For the system design, a prototype of the website was created using figma shown below:

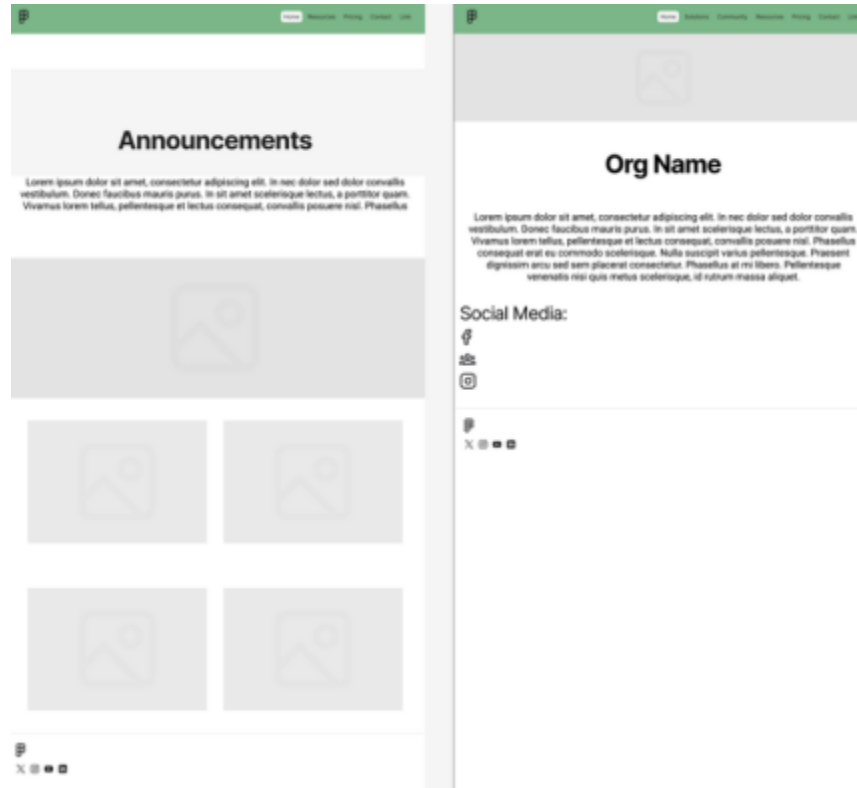


Figure 2, Sample Prototype of the Website

The prototype above shows the overall structure of the website. It shows the announcements section, a section showing a banner, and then the stock images which represent the different logos of organizations. The organization page is on the right, showing the banner of an org, their name, some information about them, and then the organization's social media websites.

The third step in the waterfall development process is the implementation. This is the part of actually programming the website. In programming the website the tools below are used:

- HTML
- Javascript
- CSS
- Bootstrap
- VS Code
- Github

HTML was used as the skeleton of the website, Javascript was used for adding interactivity, CSS for styles, Bootstrap for the structure of the website, VS Code was used for its multi-programming language support with extensions allowing for ease in programming, and lastly, Github was used for both collaboration and version control.

The website mainly used Javascript as a way to read multiple amounts of data so all of the data for each DLSU Organization was put in a Javascript Object. This javascript object would contain the information on the organization like its name, logo image link, banner image

link, description, mission, vision, events which also contains another array of objects with the event title, event description, and image. The contact is also stored inside another object. Thus, the organization database is stored in an array of objects that contain various information. The HTML includes a script that would access and display all these information inside of the object within the webpage.

For the deployment, this is represented by the presentation of the website, and for the maintenance, since one of the limitations of the website involves no automatic updating, there will be no maintenance on the webpage.

Project Scope

Scope:

- The project involves the development of a responsive website using HTML, CSS, Bootstrap, and JavaScript.
- **Individual organization pages featuring essential details such as their description, mission, vision, past and upcoming events, and contact information, to help users better understand and connect with each group.**
- **An announcements section to share updates, upcoming events, and important notices related to CSO activities.**
- The website will serve as a centralized platform that provides basic information about organizations under CSO at De La Salle University Manila.
- The design will focus on user-friendliness and accessibility to ensure ease of use for students and faculty.

Limitations:

- The website will not feature automatic updates for new or changing CSO organization websites or data; all content will be manually curated.
- The website will not include all CSO organizations due to time constraints.
- The project will not utilize backend technologies such as PHP, SQL, or other server-side scripting languages. All content will be static and front-end only.

Gantt Chart:

DELIVERABLES

March 7-14, 2025:	March 14-28, 2025	March 28-April 2, 2025	April 4-11, 2025
<ul style="list-style-type: none"> • Project Proposal • Requirements analysis • Sample Wireframe of website. • System design 	<ul style="list-style-type: none"> • Implementation • Dashboard • Collection of Data of the organizations under CSO • Announcements section 	<ul style="list-style-type: none"> • Placement of CSO organizations to website that includes: • Description about the organization • Contact information: Email, social media platforms • Flagship events 	<ul style="list-style-type: none"> • Final Testing of the Website • Deployment • Project Documentation • Project Presentation

Figure 3, Gantt Chart for Deliverables

The figure above shows the detailed timeline for the project completion which the group members will strictly follow to accomplish the project on time. This schedule helps improve overall productivity and minimizes cramming, which can lead to low quality output.

Outputs



Figure 4. Navigation Bar

The navigation bar allows users to easily move through the website by clicking on the section they want to visit.

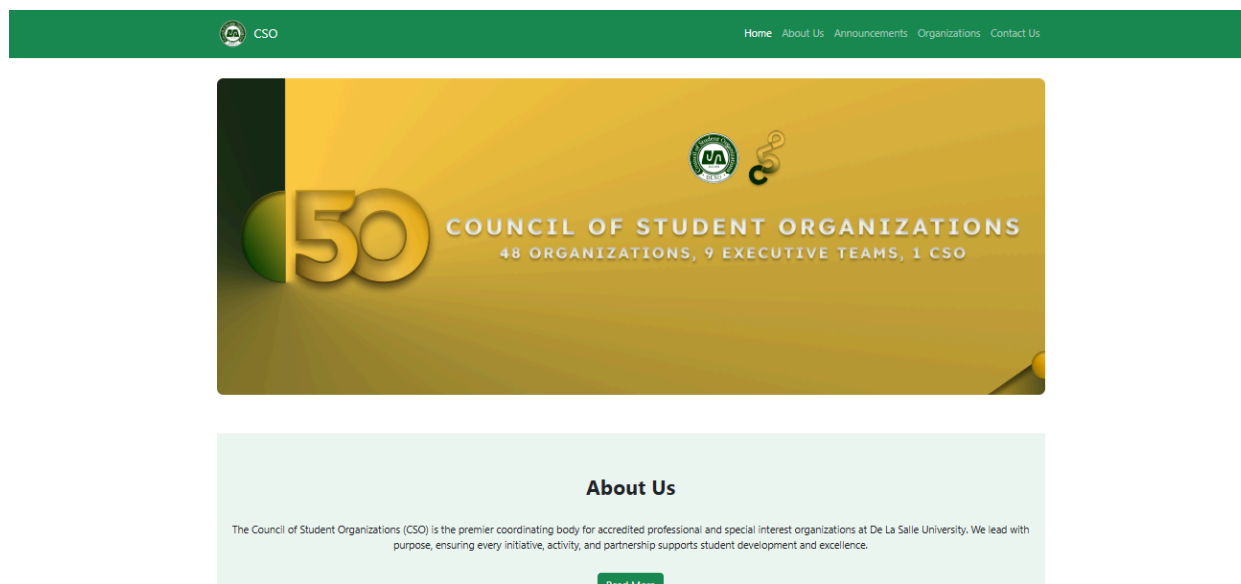


Figure 5. CSO Banner and About Us

The Main landing page of the website is the CSO's banner to represent the organization. The About Us section provides an overview introduction of CSO.

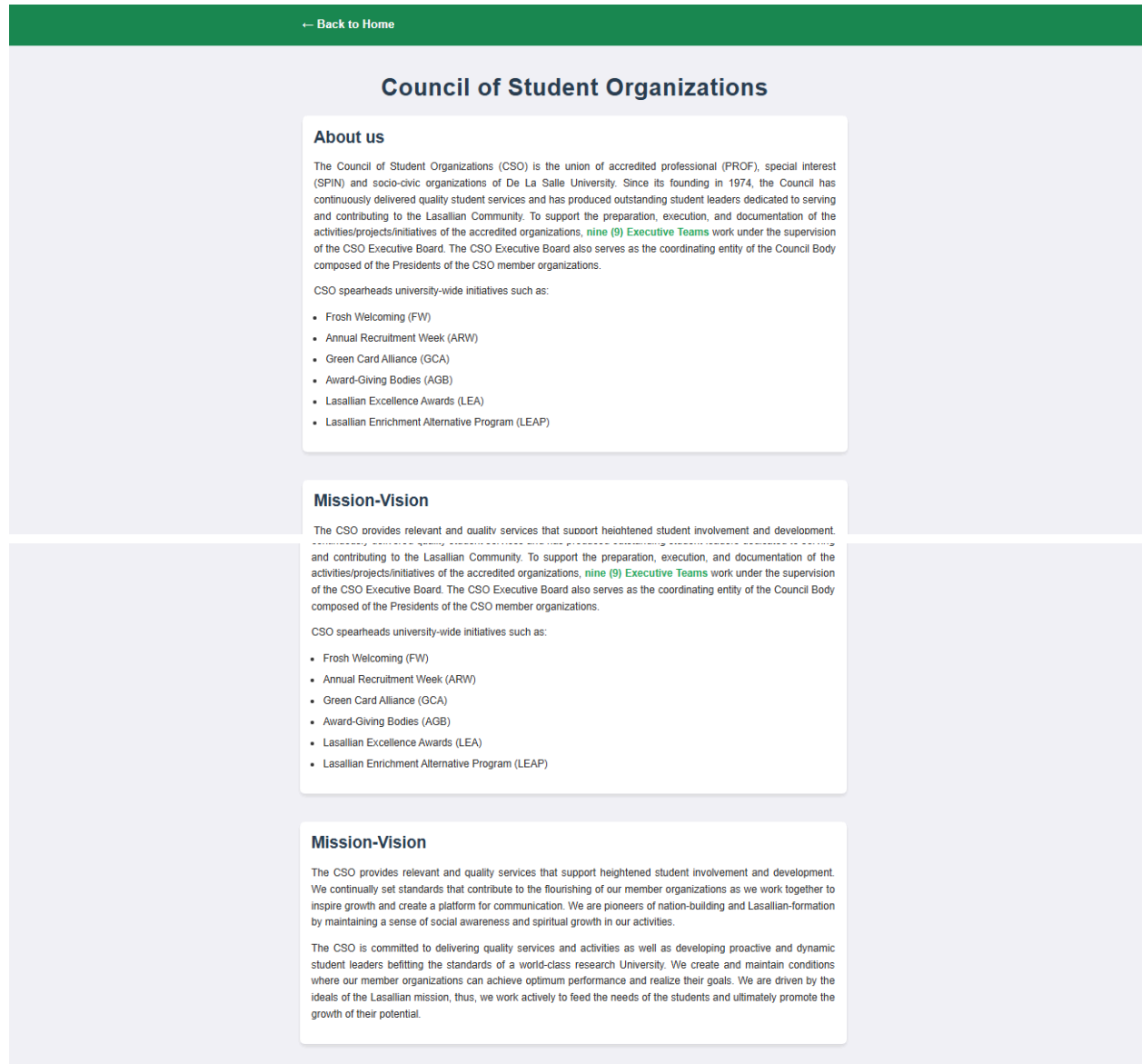


Figure 6. Information of CSO

The About Us page once “Read More” is clicked will bring the user to another page wherein it shows the full description to know about CSO. This includes their description, events, mission, and vision. This will help the user know more about their values.

Announcements

Welcome to the CSO-Central Organization Dashboard! Stay updated with the latest announcements and events from various organizations. Check back regularly for updates.

Organizations



Figure 7. Announcements Section

The announcements section will include the latest news that students should know about the organizations. This is helpful when the website is handled actively so that the announcements can be updated regularly.

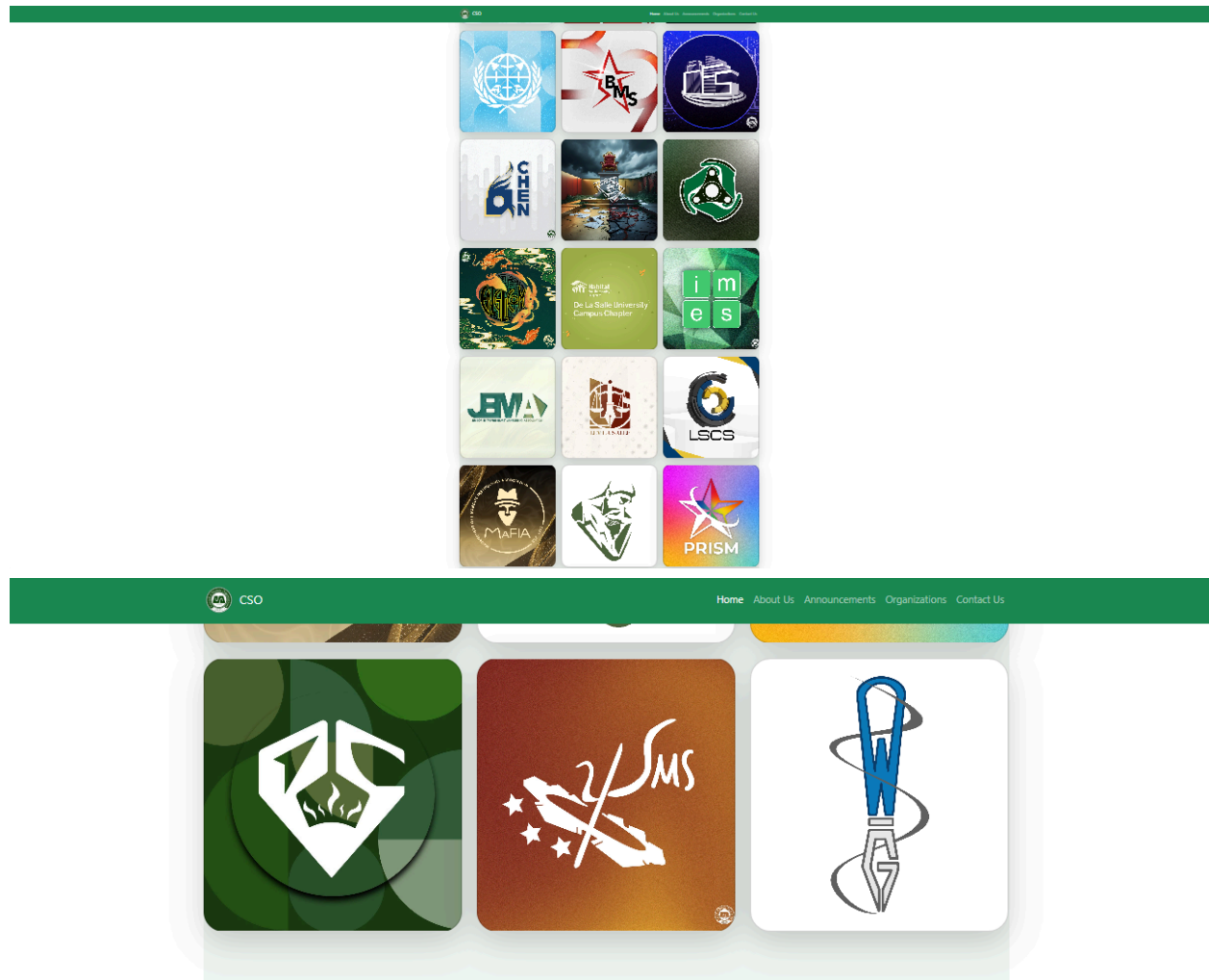


Figure 8. Organization Cards

The organization cards feature 21 active organizations under the CSO. The group was not able to include all 48 organizations due to time constraints, as noted in the project limitations. The organizations displayed on the website were selected based on their active status and the availability of complete and accessible information. Some organizations were excluded because they are currently inactive or lacked sufficient details.



Association of Computer Engineering Students (ACCESS)

Description

The Association of Computer Engineering Students (ACCESS) is a professional organization under De La Salle University - Council of Student Organizations (DLSU - CSO), the home organization of Computer Engineering students while keeping our doors open to our fellow Lasallian students who aspire to be Lasallian achievers and life-long learners. In order to attain this, the organization offers professional and educational activities that guide each student's academic and career-related concerns. Overall, ACCESS perseveres to nurture and strengthen the bond of each student to promote unity and camaraderie throughout the organization as a stepping stone for their future success.

Mission

The association strives to enhance technological knowledge and engineering skills in the domain of Computer Engineering to prepare the students for the competitive industry. The organization also intends to instill social awareness and understanding simultaneously promoting camaraderie of Computer Engineering to nurture true Lasallian achievers.

Vision

ACCESS envisions it to be an organization that caters to the needs of its members. It aims to be a breeding ground for students who aim to become professionals and pioneers in the field of Computer Engineering, while upholding Lasallian values in their daily actions.

Flagship Events



BYTE: Beyond Your Technical Expertise

BYTE is the annual flagship event of ACCESS which aims to expose students to the different career paths available to aspiring

Figure 9. Organization Information

Once organization cards are clicked, the user will be brought to the organization page wherein they can access the detailed information about an organization.

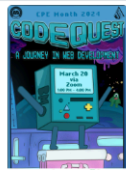


work areas involving computer sciences, engineering, and technology. Our goal is to provide insight to guide students on the different career paths they wish to pursue.



Back to the Alumni

Let's take a peek into the various paths a Computer Engineering graduate can take in Back to the Alumni. We'll go on a journey to find out how some of DLSU's Computer Engineering students are faring and listen to them as they share some tips and experiences with us. They'll also talk about how their time in ACCESS helped them get to where they are today, as well as how we can better spend our time here in university.



Codequest

To help students explore their interest in computer engineering, ACCESS is hosting a seminar-workshop focused on the basics of full-stack web development. This webinar aims to introduce participants to essential concepts, tools, and real-world experiences in web development through expert-led discussions and hands-on learning.

Contact

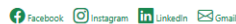


Figure 10. Organization Events and Contact Information

The “Flagship Events” section highlights each organization’s main events, giving users a chance to learn more and take interest in joining. If users have any questions or inquiries, they can easily reach out to the organization through the contact links provided on different platforms.

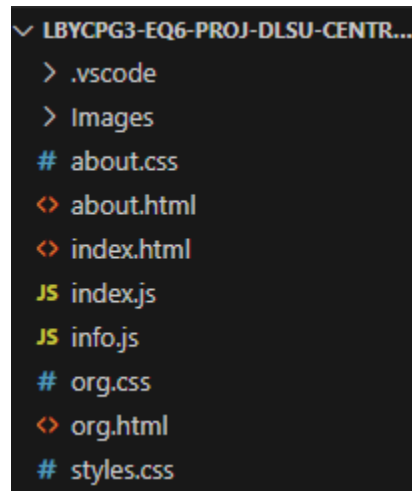


Figure 11. Files of the Program

The index.html file serves as the main entry point of the dashboard. It is the first page users land on, allowing them to navigate through the website's features. The about.html page provides detailed information about the Council of Student Organizations (CSO), including its description, mission, and vision.

The org.html file is designed to dynamically display information about each organization. Instead of creating a separate HTML file for every organization, this approach uses a single template that updates based on the selected organization's index—making the code more efficient and maintainable. Each organization is assigned an index, which is used to fetch and display the corresponding details when a user clicks on an organization's card.

As for the JavaScript files, index.js handles the dynamic creation of organization cards on the dashboard. It selects the appropriate container and loops through the organization array to generate the cards. Lastly, info.js contains the data for all organizations, including their descriptions, missions, visions, events, and contact information, stored as objects in an array.

The CSS files are divided into three files to avoid confusion on which files are being designed. styles.css is used for styling the index.html (dashboard), about.css is linked to about.html, and org.css is responsible for the design of org.html. This separation ensures that each page has its own specific styling, making the codes easier to manage. Additionally, the images folder contains all the visual assets needed for the organizations, including logos, banners, and event-related images.

References :

Gallagher, A., Dunleavy, J., & Reeves, P. (2019, April 22). *The Waterfall Model: advantages, disadvantages, and when you should use it*. IBM Developer. <https://developer.ibm.com/articles/waterfall-model-advantages-disadvantages/>