



## Foundations of Web Development

Final Project  
Worth: 30%

Due: Apr. 27<sup>th</sup>, 2022 – 23:59 PM  
Late submissions are not accepted.

This group project consists of 5 components: A website, an excel file, a Visio diagram, a Word document, and a PowerPoint. Each of these components is described hereafter.

### The website (10%)

You are required to create a resume and CV website which has the following pages:

- *Index*: A page with a background picture of the website owner, as well as some short introduction,
- *Education*: Describing the owner's education, from high school to the most recent ones.
- *Work Experience*: Itemizing the most relevant work experiences,
- *Skills*: Listing the skills of the owner,
- *Contact*: Providing different ways for a visitor to reach out.

You should also have a single CSS file that provides the styling of all pages. Moreover, choose one person from your team to create this website for him/her. However, the HTML/CSS files should be well-documented enough so that all members can modify the website slightly and use it as their own personal website.

Although you could search for several styles and ideas for a resume and CV website, you're not required to deliver the same content. Therefore, copy/pasting from another source is prohibited. Some ideas to start with can be found here:

- <https://www.wix.com/website/templates/html/portfolio-cv/resumes-cvs>
- <https://zyro.com/blog/resume-website-examples/>
- <https://www.wixfresh.com/post/resume-websites>
- <https://www.themuse.com/advice/the-35-best-personal-websites-weve-ever-seen>

### Excel File (5%)

The excel file is supposed to keep track of the number of hours each member has spent on each component. It must have 5 sheets, namely *Website*, *Excel*, *Visio*, *PowerPoint*, and *Total*. In each sheet, keep track of each member's time on that particular component for a specific task. For example, the *Website* sheet may contain this information:

- Member 1: Monday | 2:00 – 3:00 PM | designing the header of the website,
- Member 1: Monday | 6:00 – 7:30 PM | choosing the right background picture,
- Member 2: Tuesday | 9:00 – 10:00 AM | Creating the skills page,
- ...

Also, at the bottom of each sheet, summarize the hours spent by each member (using Excel formulas). In the *Total* sheet, summarize all the gathered information and demonstrate your findings with some charts. Make sure the summarized information is dynamic; meaning that if a member adds one activity on a component, all tables are updated automatically. Do not forget to give some styles to your Excel sheets!

## Visio Diagram and Word document (2.5% + 2.5%)

Since this is a small software project, you should use an SDLC methodology in order to avoid extra work and make the process quicker. Therefore, choose an SDLC methodology that fits your group better. Then, try to use it within your group throughout the project. Create a one-page word document describing how your group adopted that methodology, how you divided different tasks among members, etc.

Additionally, create a Visio diagram illustrating the chosen SDLC methodology. Do not forget: this diagram should not be just a copy/paste of the available diagrams on the internet; it must contain relevant information to your project (For instance, if you're choosing the Iterative methodology, in each phase, or every day in your case, you might release a "version" of your final work which contain some portion of each component. Show these "versions" on the diagram!)

## Presentation (5%)

Create a PowerPoint presentation for your works. Your slides must show all your works for different components (the website, Excel file, Visio and Word, etc.)

Each group will present their project in 30 minutes during our last class. Collaborate within your group to distribute the presentation equally to each member.

## Extra (2.5%)

You could earn up to 2.5% extra for this project by making your website available on the internet. To get a free domain and a personal repository, you may use GitHub's free service<sup>1</sup> or any other service of your choice.

This component is evaluated individually; therefore, you can try uploading your own version of the website to your personal domain. As an exception, the deadline for this task is Apr. 28<sup>th</sup>, 2022 – 23:59 PM. Therefore, you can work on this on your own after the course is finished. If you were able to do it, send a message to me on Teams with your name, your id, and the URL to your website by Thursday night.

## Files: what to submit?

One member should submit the project for each group, which contains the following files and folders. First, create a folder named after your group (such as Group1). Then, create five folders within this folder:

- Website:
  - CSS:
    - Styles.css
  - Pages:
    - Educations.html
    - Works.html
    - Skills.html
    - Contact.html
  - Images:
    - <contains the images of the website>
  - Index.html

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<sup>1</sup> <https://docs.github.com/en/pages>

- Excel:
  - Workload.xlsx,
  - Workload.pdf.
- Visio:
  - SDLC.vsd
  - SDLC.pdf
- Word:
  - SDLC.doc
  - SDLC.pdf
- PowerPoint:
  - Presentation.pptx
  - Presentation.pdf

In the end, create a zip file named after your group (Group1.zip, for example). One member of each team should submit this file on Moodle under Final Project.

## General notes

- The way you collaborate is your choice, though all members are required to work almost equally on this project.
- Plan accordingly! Before doing anything for this project, plan everything. Who is responsible for each component? When is your internal deadline for each part? Are you going to have a rehearsal for the presentation within your group? What SDLC are you going to use? How are you planning to keep the workload balanced? How do you want to communicate? How to keep the latest version of each file accessible to everyone? Etc. Planning will help you to do everything more efficiently!
- An excellent option for your team is to have a kick-off meeting today and discuss your planning. Then, you might want to have a meeting at 9 AM every day to make sure that everyone is doing okay and discuss your progress. More meetings, better collaboration, better results! This project is impossible to do individually!
- Be creative, and don't be afraid to think out of the box!
- Set internal deadlines for your group! It will help you keep track of your progress throughout this project.

## Evaluation

This assignment will be evaluated based on two factors:

- **Absolute (25%):** Your project will be evaluated based on how well you adopted your knowledge. This evaluation will consist of:
  - **10%** for the website,
  - **5%** for the Excel file,
  - **2.5%** for the Visio diagram,
  - **2.5%** for the Word document,
  - **5%** for the PowerPoint presentation.
- **Relative (5%):** The best project will receive 5%, the second-best will receive 4%, the third-best will receive 3%, etc.

Good Luck!