

CSI 3140: Assignment 1

Group 28:

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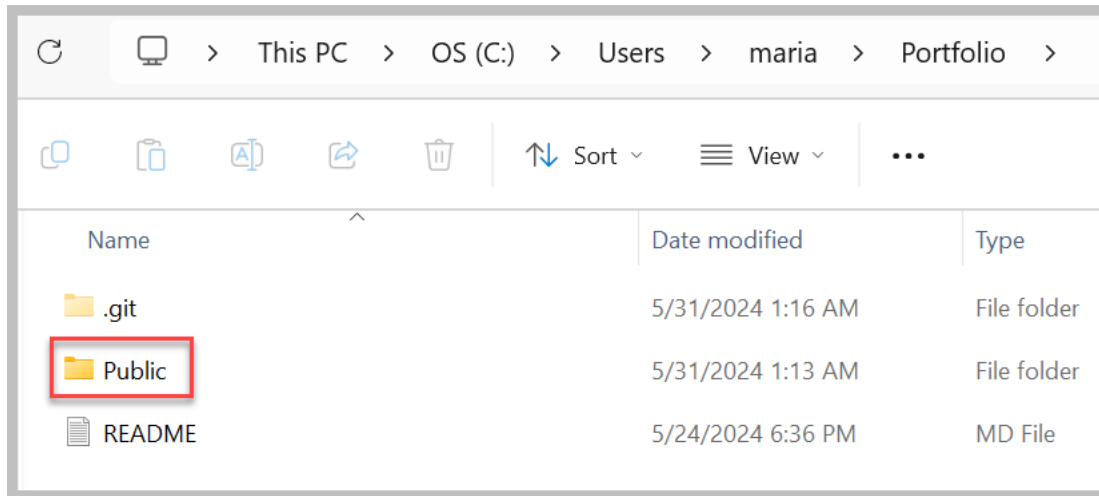
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Git Hub

https://github.com/mstan091/Group28_Portfolio_CSI3140.git

Portfolio

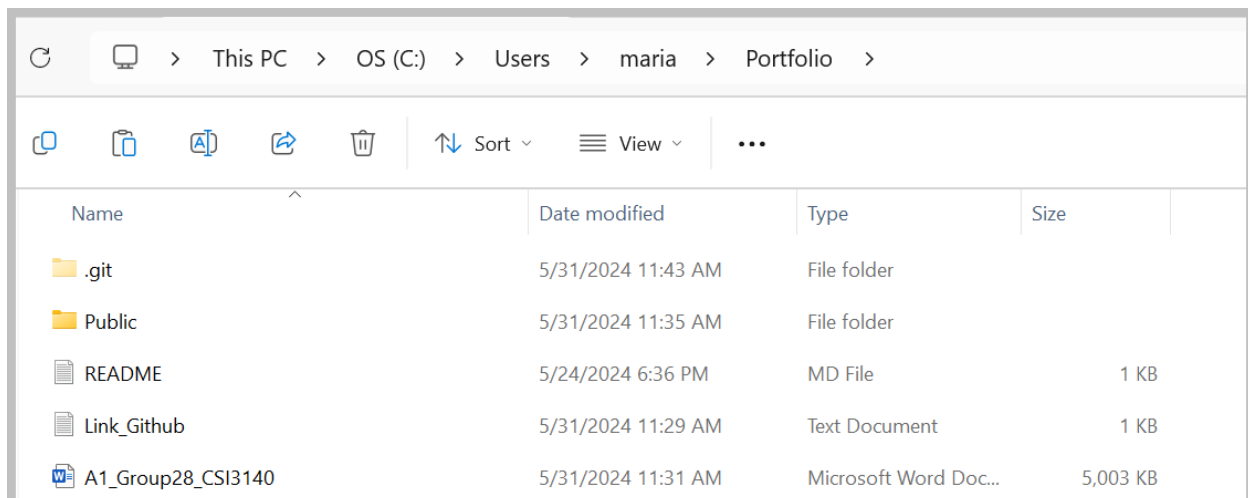
Folders/Files:



A screenshot of a Windows File Explorer window. The address bar shows the path: This PC > OS (C:) > Users > maria > Portfolio. The toolbar includes icons for copy, paste, print, share, and delete, along with 'Sort' and 'View' dropdown menus. The main area displays a table of files and folders. The 'Public' folder is highlighted with a red rectangle.

Name	Date modified	Type
.git	5/31/2024 1:16 AM	File folder
Public	5/31/2024 1:13 AM	File folder
README	5/24/2024 6:36 PM	MD File







Public













A screenshot of a Windows File Explorer window showing the contents of the 'Public' folder. The address bar shows the path: This PC > OS (C:) > Users > maria > Portfolio > Public. The toolbar includes icons for copy, paste, print, share, and delete, along with 'Sort' and 'View' dropdown menus. The main area displays a table of files and folders.

Name	Date modified	Type	Size
.git	5/31/2024 11:43 AM	File folder	
Public	5/31/2024 11:35 AM	File folder	
README	5/24/2024 6:36 PM	MD File	1 KB
Link_Github	5/31/2024 11:29 AM	Text Document	1 KB
A1_Group28_CSI3140	5/31/2024 11:31 AM	Microsoft Word Doc...	5,003 KB



Project

Name	Date modified	Type
 2132	5/31/2024 1:12 AM	File folder
 2136	5/31/2024 1:12 AM	File folder
 2505	5/31/2024 1:12 AM	File folder
 4107	5/31/2024 1:12 AM	File folder
 4139	5/31/2024 1:12 AM	File folder
 4142	5/31/2024 1:12 AM	File folder

Each folder contains the project documentation in a .pdf. For example, the 2136 folder:

  > This PC > OS (C:) > Users > maria > Portfolio > Public > projects > 2136				
     Sort  View  ...				
Name	Date modified	Type	Size	
 CSI2136	5/30/2024 9:50 PM	Chrome HTML Docu...	858 KB	

CSS

Name	Date modified	Type
 resstyles	5/30/2024 9:50 PM	CSS Source File
 styleIndex	5/31/2024 12:54 AM	CSS Source File

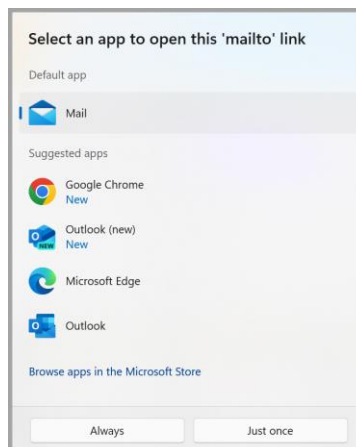
Images



Contacts

Contact

Email (Maria Stancu) mstan091@uottawa.ca
Email (Santiago Martinez-Barrera) smart215@uottawa.ca



smart215@uottawa.ca

Resume

Resume

[Resume Group28](#)

Link to an HTML Page:

[Resume Group28](#)

Html page:

Group 28

Computer Science undergraduate student

Summary

Motivated undergraduate Computer Science student with a comprehensive understanding of Java, Python, and basic database skills for developing innovative software solutions. Skilled in algorithm development, web application creation, and researching new technologies to improve team skillsets. Proven track record of increasing processing speed, data accuracy, and user engagement while collaborating effectively with cross-functional teams

Contact

Email: group28@uottawa.ca

Phone number: +1 613-123-4567

Education

University of Ottawa: Honours in Computer Science

[Honours BSc in Computer Science](#)

General Skills

- Algorithms
- Data Analysis
- Statistical Analysis
- Automation
- Data Mining
- Reporting
- Database structures
- Application Security

Languages

- English - Native or bilingual proficiency
- French - Native or bilingual proficiency
- Spanish - Native or bilingual proficiency

Technical Skills

- Programming Languages
 - Java
 - Python
- Databases
 - PostgreSQL
 - Oracle
- Operating Systems
 - Windows
 - Mac OS
 - Linux

Work Experience

Cyber Security Analyst - Statistics Canada

January 2024 - May 2024

- Managed cyber security incidents efficiently using HEAT and BMC Helix ticketing systems, ensuring swift resolution.
- Conducted statistical analysis using Power BI to inform decision-making in cyber security.
- Orchestrated cyber workshop roll-outs, designing strategic roadmaps for effective implementation.
- Collaborated cross-functionally to implement cyber security strategies aligned with organizational goals.

IT Intern - IT Innovations

May 2023 - September 2023

- Migrated data from Oracle infrastructure to Google cloud.
- Created Google cloud VM instance and setup virtual private network for connectivity.
- Designed Cloud SQL database in PostgreSQL and defined storage buckets.
- Performed data migration from Oracle to PostgreSQL using Ora2Pg tool.

Project Officer - Health Canada

May 2023 - December 2023

- Provided expert-level support for the Brightspace learning platform.
- Efficiently resolved user inquiries, account issues, and technical glitches, ensuring a seamless learning experience.
- Spearheaded the development of Excel-based automation for data reporting in the division.
- Managed multiple projects simultaneously, employing problem-solving abilities and project management techniques

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Projects

Projects

CSI 4139 : Reverse Engineering Propose a more optimized way to crack the program.Hardening against interposing. More Details	CSI 4142 : Design and Implementation of a data mart SQL queries and BI dashboard and Information Visualization More Details	CSI 4107 : Information Retrieval System Implement an IR system based on the vector space model, for a collection of documents More Details	CSI2132 : Database Management System (ehotels) Hotel Management Database for logging and reserving rooms. More Details	CEG2136 : Basic Computer Organization Laboratory experiment to design and test the structure of a basic computer. More Details	SEG2505 : Projet Android (Mealer) Android Studio application for online food ordering. More Details
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The card of the selected project will have blue borders. In this example, we selected the CSI 4107 project.

Projects

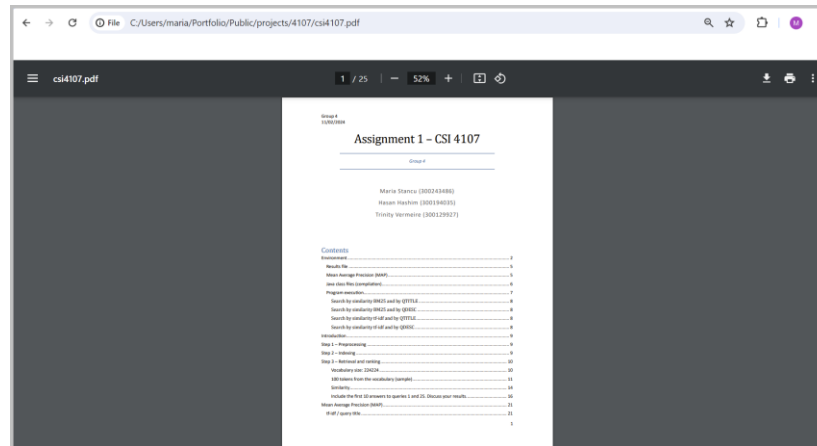
CSI 4139 : Reverse Engineering Propose a more optimized way to crack the program.Hardening against interposing. More Details	CSI 4142 : Design and Implementation of a data mart SQL queries and BI dashboard and Information Visualization More Details	CSI 4107 : Information Retrieval System Implement an IR system based on the vector space model, for a collection of documents More Details	CSI2132 : Database Management System (ehotels) Hotel Management Database for logging and reserving rooms. More Details	CEG2136 : Basic Computer Organization Laboratory experiment to design and test the structure of a basic computer. More Details	SEG2505 : Projet Android (Mealer) Android Studio application for online food ordering. More Details
---	--	---	---	---	--

CSI 4107 : Information Retrieval System

Implement an IR system based on the vector space model, for a collection of documents

[More Details](#)

After you click on the *more details* button the documentation of the specific project opens as a .pdf file.



Details about the HTML/CCS code

- The project consists of HTML and CSS styling.
- The main concept for the first page is to separate the page into grids using the `<div></div>` HTML elements.
- The CSS display: flexbox attribute is used to divide the page into rows and columns
- To be able to create the Project Cards, we used nested grids:
 - o Within the initial flexbox row (containing all the projects on one row) we created the `<div class="project" ...,></div>` element containing one column and 3 rows:
 - Project title
 - Project description
 - More details

Project container

The screenshot displays a web application with two project cards. The first card, titled "CEG2136 : Basic Computer Organization", describes a laboratory experiment to design and test the structure of a basic computer. The second card, titled "SEG2505 : Projet Android (Mealer)", describes an Android Studio application for online food ordering. Both cards have a "More Details" button.

Below the cards, the Chrome DevTools interface is shown. The "Elements" panel displays the DOM tree, highlighting the `<div class="project">` element. The "Styles" panel shows the default styles for the `.project` class, including `display: flex`, `height: 250px`, `flex-direction: column`, `border: 1px solid black`, `border-radius: 10px`, `margin-right: 10px`, and `box-shadow: 10px 10px 10px black`.

The "Console" panel shows the message "Live reload enabled."

Project title



The image shows a screenshot of an Android application interface on the left and its development tools on the right.

Application Interface (Left):

- The top part of the screen shows a blurred image of a classical building facade.
- Below the image, there is a white card with a blue dashed border. The card contains the text "SEG2505: Project Android (Meal)" and "Android Studio application for online food ordering." Below this text is a button labeled "More Details".
- A tooltip above the card indicates the dimensions of the `div.projtitle` element: `div.projtitle` 209.71 x 80.53.

Development Tools (Right):

- The **HTML** pane shows the following structure:


```

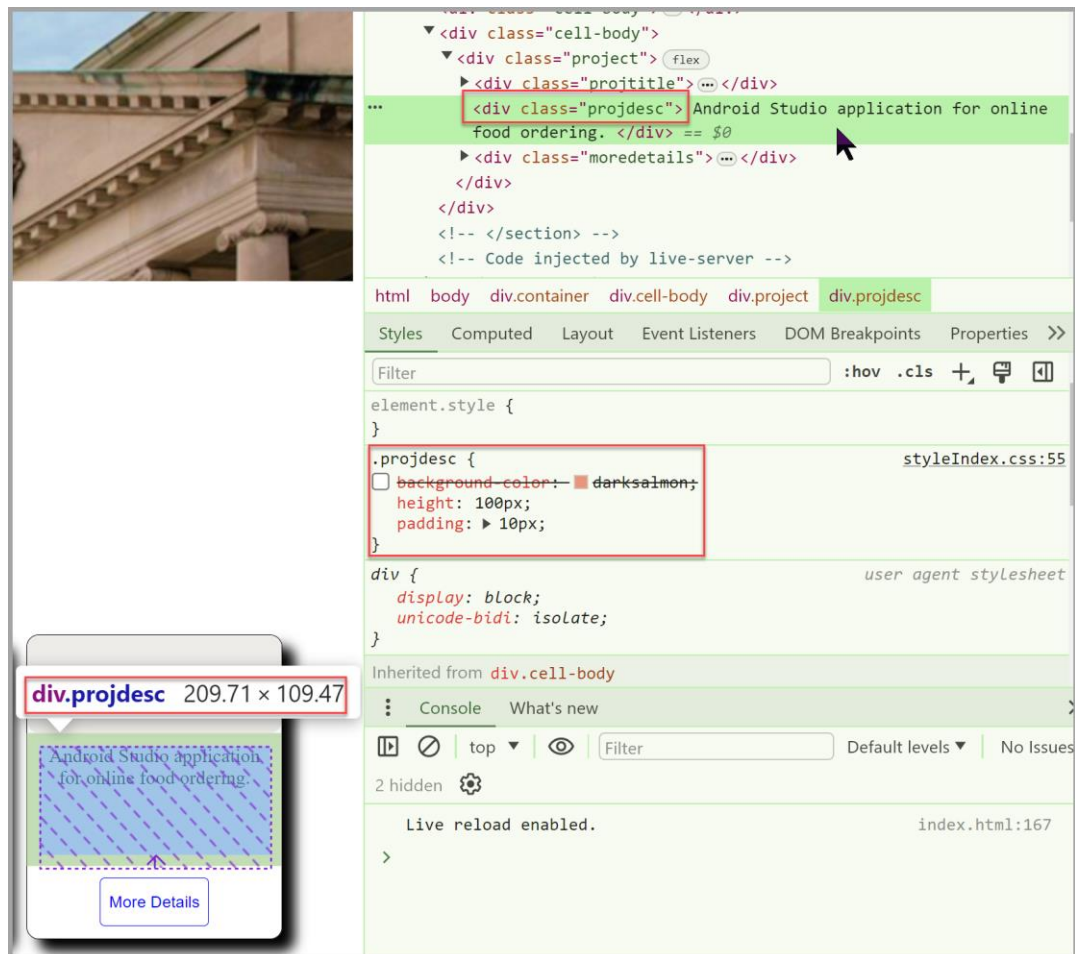
<div class="cell-body">
  <div class="project">
    <div class="projtitle"> ... </div>
    <div class="projdesc"> Android Studio a
    food ordering. </div>
    <div class="moredetails"> ... </div>
  </div>
<!-- </section> -->
<!-- Code injected by live-server -->
      
```
- The **Styles** pane shows the following CSS rules:


```

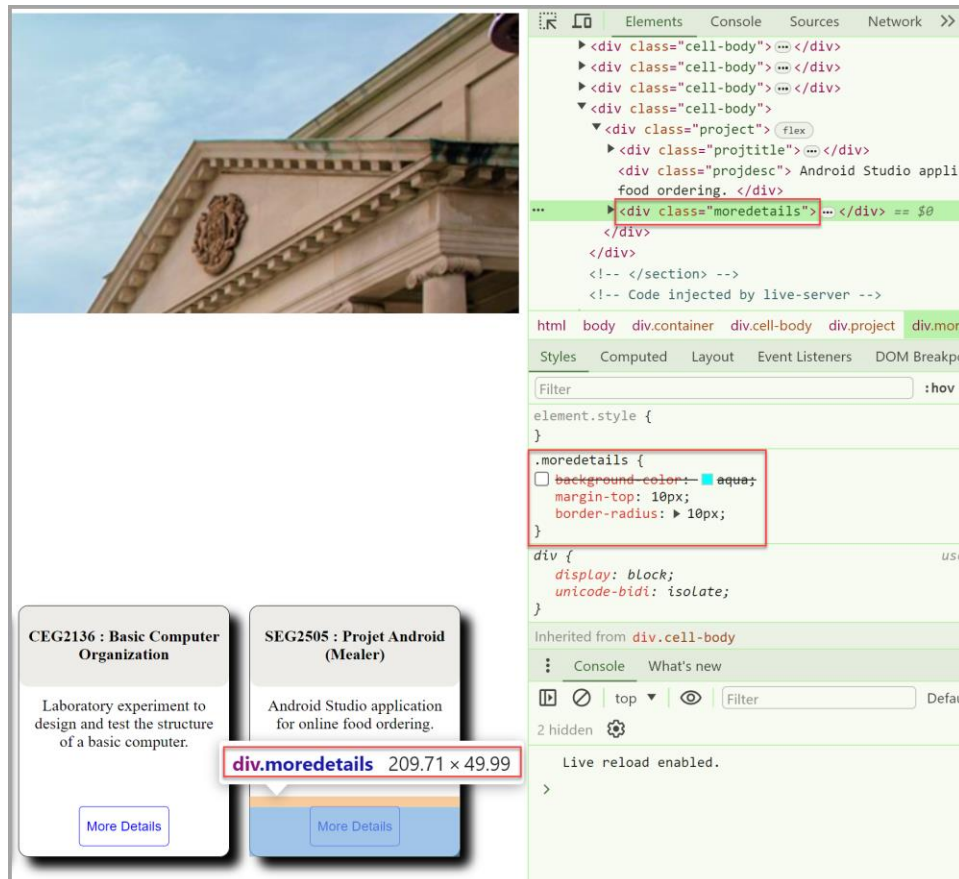
.projtitle {
  background-color: rgb(237, 236, 232);
  height: 90px;
  border-radius: 10px;
}

div {
  display: block;
  unicode-bidi: isolate;
}
      
```
- The **Console** pane shows the message "Live reload enabled."

Project description

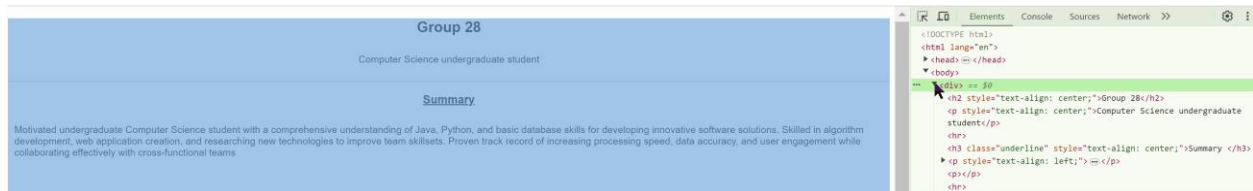


More Details



Resume

For the resume, we divided the page in 3 parts: one top `<div>` containing Group and Summary



And two `<div>` elements: 'Side Navigation' aligned using the CSS float attribute and 'Content' aligned using CSS attribute margin-left.

Group 28

Computer Science undergraduate student

Summary

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div.sidenav 578.76 x 900

Contact

Email: group28@uottawa.ca

Phone number: +1 613-123-4567

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University of Ottawa: Honours in Computer Science

Honours BSc in Computer Science

General Skills

- Algorithms
- Data Analysis
- Statistical Analysis

Technical Skills

- Programming Languages
 - Java
 - Python
- DataBase
 - PostgreSQL
 - Oracle
- Operating Systems
 - Windows
 - Mac OS
 - Linux

Work Experience

Cyber Security Analyst - Statistics Canada

January 2024 - May 2024

div.sidenav

<!DOCTYPE html>

<html lang="en">

<head>

</head>

<body>

</body>

</html>

html body div.sidenav

Styles Computed Layout Event Listeners

Filter

element.style {

}

.sidenav {

padding: 10px;

width: 48%;

height: 300px;

float: left;

background: #cccccc;

}

* {

box-sizing: border-box;

}

Console What's new

2 hidden

The screenshot shows a web browser window displaying a resume page. The page has a light blue header with the name "John Doe" and a navigation bar with links "Home", "About", "Contact", "Education", "Technical Skills", and "Work Experience". The main content area is divided into two columns. The left column contains sections for "Contact", "Education", and "Work Experience". The right column contains sections for "Technical Skills" and "Work Experience". The "Contact" section is highlighted with a red box, showing the email address "grou29@uottawa.ca" and the phone number "+1 613-123-4567". The "Education" section lists the "University of Ottawa: Honours in Computer Science" and "Honours BSc in Computer Science". The "Technical Skills" section lists programming languages (Java, Python), databases (PostgreSQL, Oracle), and operating systems (Windows, Mac OS, Linux). The "Work Experience" section lists three roles: "Software Engineer at Tech Corp.", "Data Analyst at Data Solutions Inc.", and "Frontend Developer at Web Innovations Ltd.". On the right side of the browser window, the developer tools are open, showing the "Elements" panel with the "div.content" element selected. The "Styles" panel shows the default styles for the "div.content" element, including "margin-left: 41px;", "height: 900px;", "padding: 10px;", and "background-color: #ffffff;". A red box highlights the "background-color" property.

Challenges

Maybe the most challenging (among other alignment challenges) task was to align the buttons in the cards containers.

For this task, we decided to use the CSS property `margin-top` and align the button at 10px from the `<div>` situated above (the Project description div)

