

CIS 260 - INTRODUCTION TO XML

Week 1- Wednesday: Well-Formed XML

2017-Fall, 9/20/2017, Wednesday, 6pm - 8:40pm

Lesson Plan

Welcome to CIS 260 - INTRODUCTION TO XML! This is an on-ground class. The class will use Canvas for home assignments. Follow the steps to finish the assignments of this week.

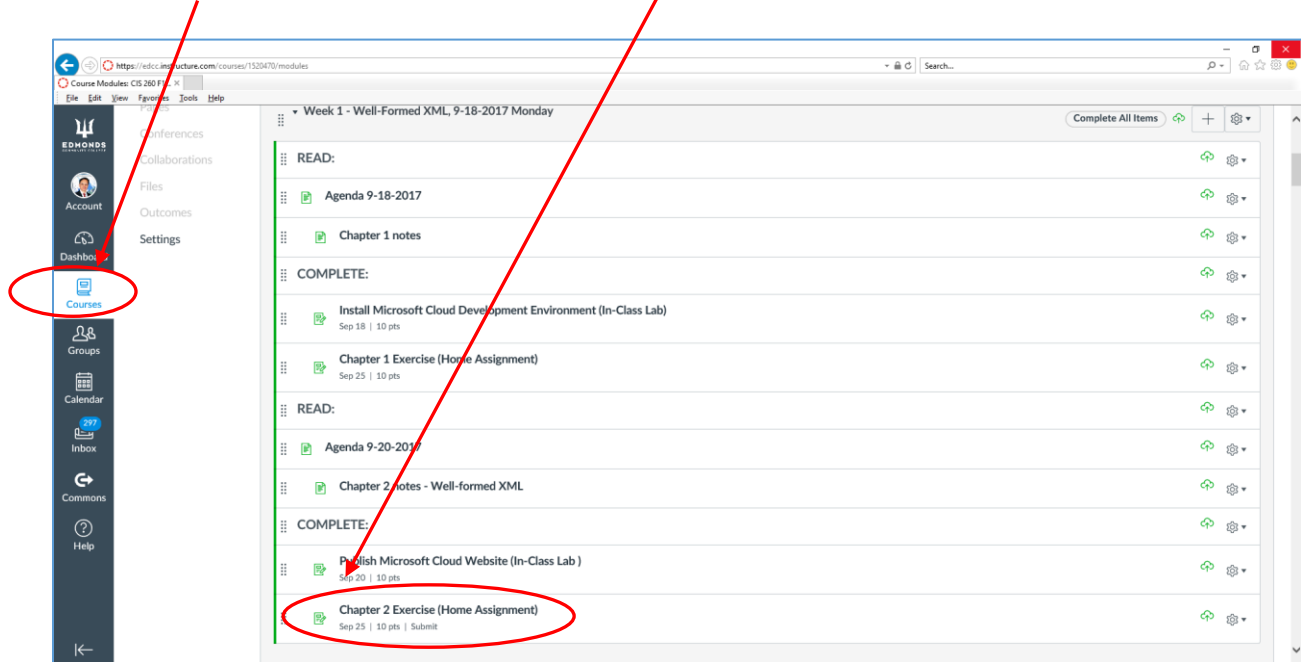
Student Assignments for this Week	
Step 1. Agenda 9-20-2017.....	2
Chapter 2 Exercise (Home Assignment)	
Cookies.xml	2
Cookies.html.....	12

My name is Louis HO, the instructor for this class. Email is the best way to communicate with me. I am a full time instructor so I will be available on campus if you need help. Below is my contact information.

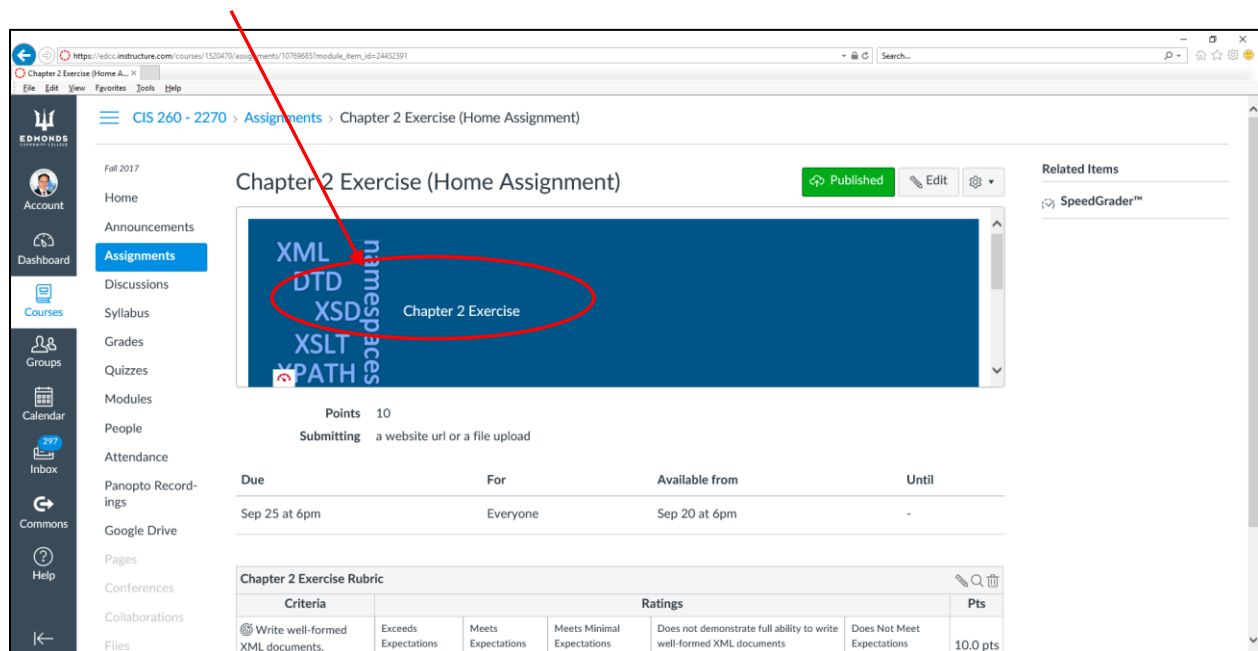
Louis HO
Instructor/Advisor
Computer Information Systems
Office: Alderwood Hall 235A
Tel: 425 640 1308
Email: louis.ho@email.edcc.edu

Step 1. Agenda 9-20-2017
Chapter 2 Exercise (Home Assignment)
Cookies.xml

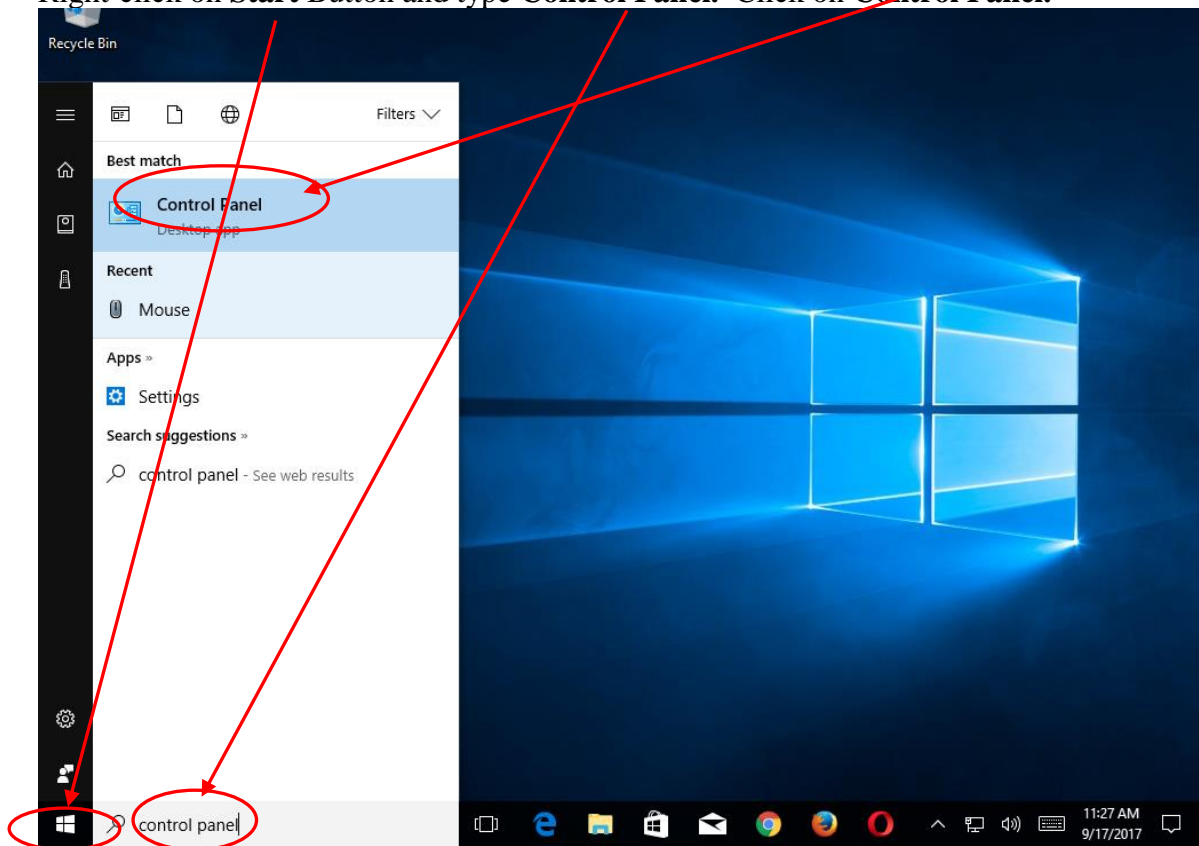
In the **Modules** page. Double-click on **Chapter 2 Exercise** link.



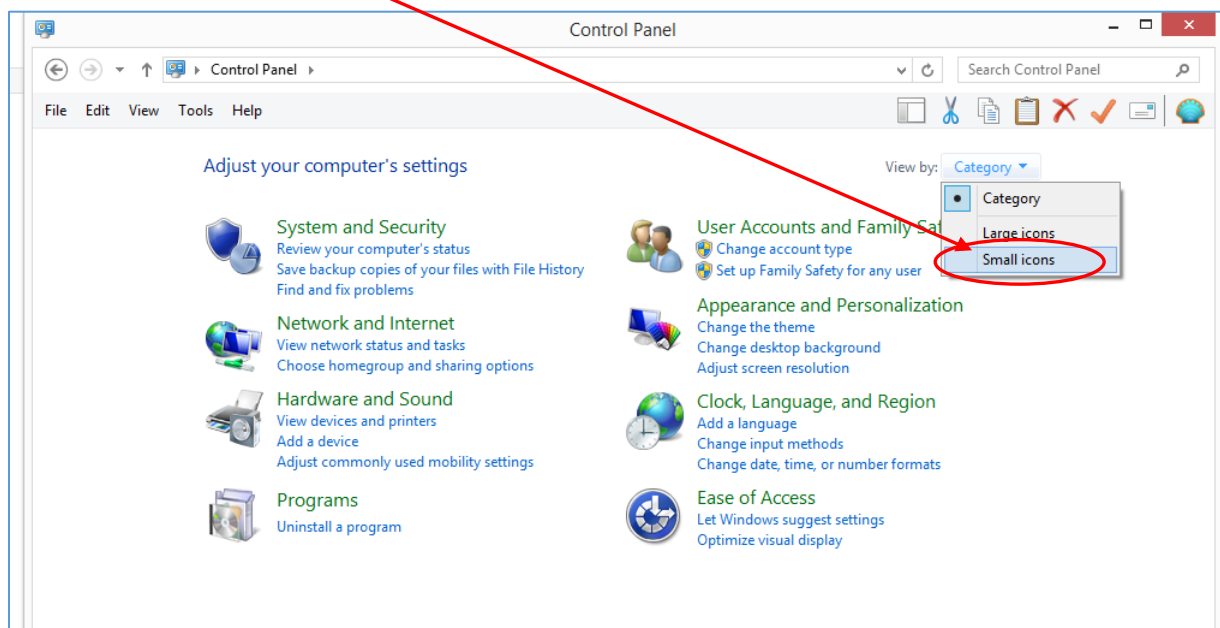
We will do this exercise next.



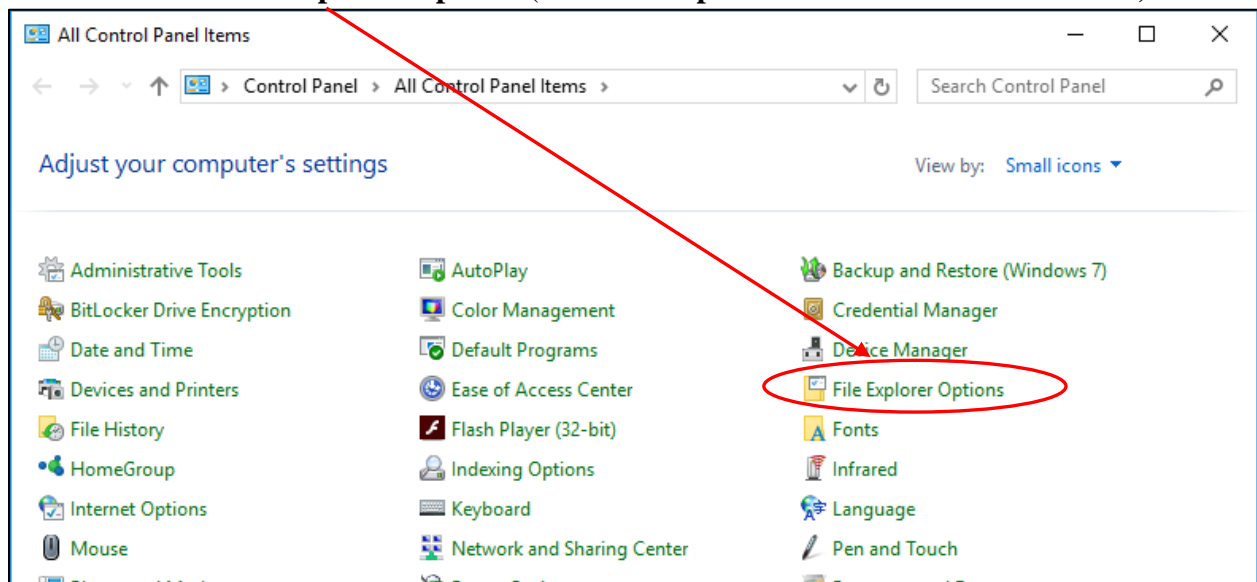
In your computer, you need to modify the configuration so it will show the files extensions:
Right-click on **Start Button** and type **Control Panel**. Click on **Control Panel**.



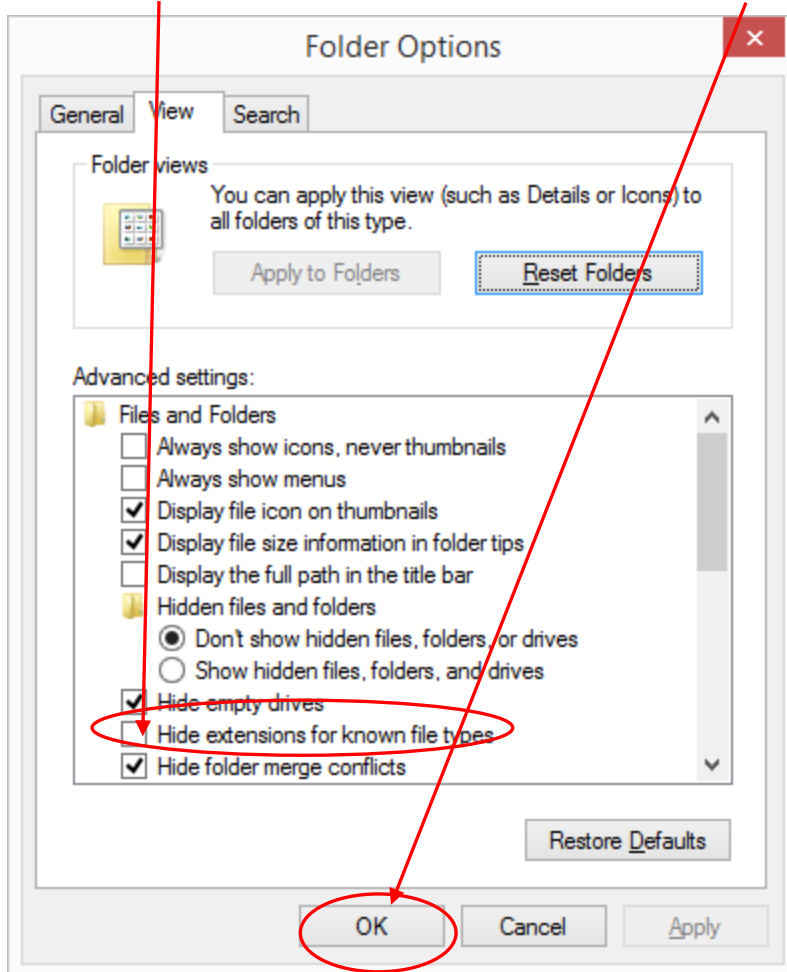
Click on **Category** > **Small icons**.



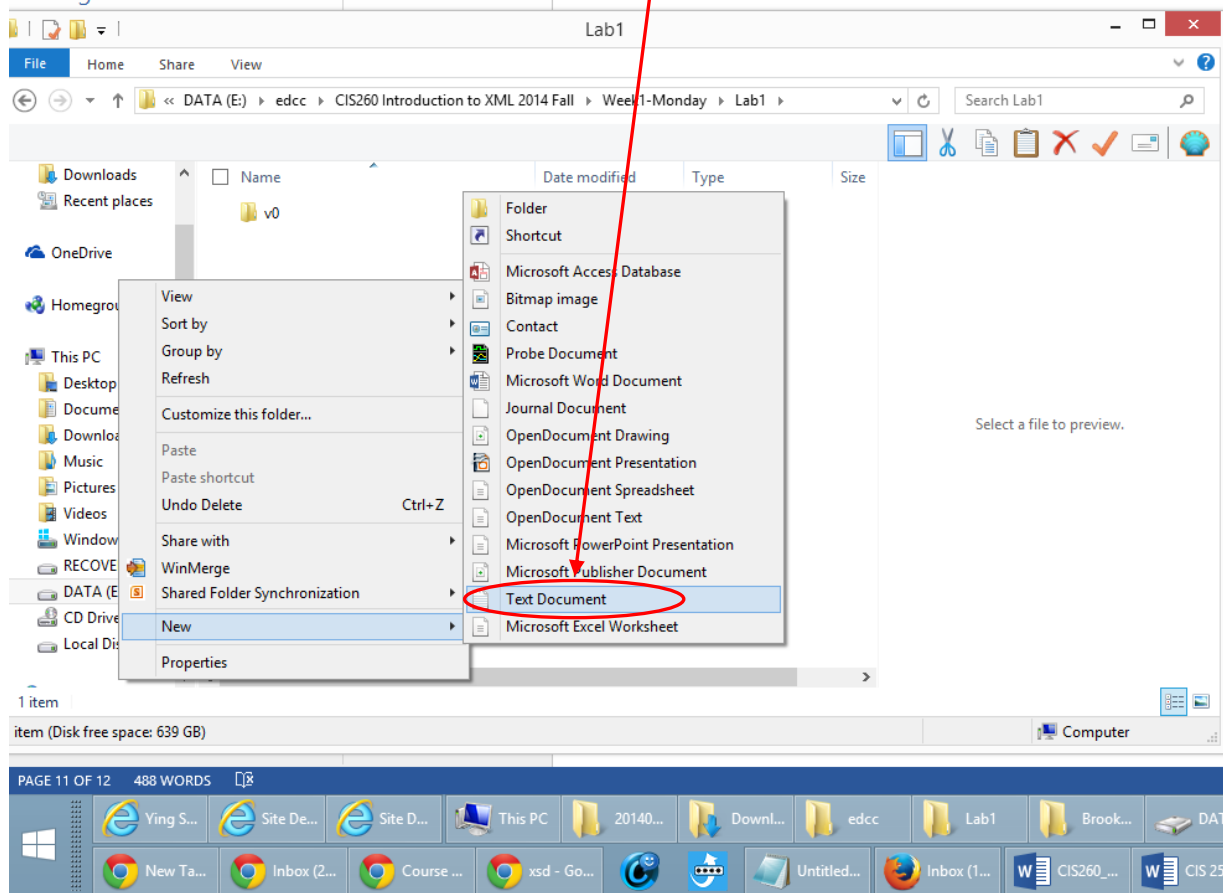
Double-click on **File Explorer Options** (or **Folder Options** in older **Windows** versions).



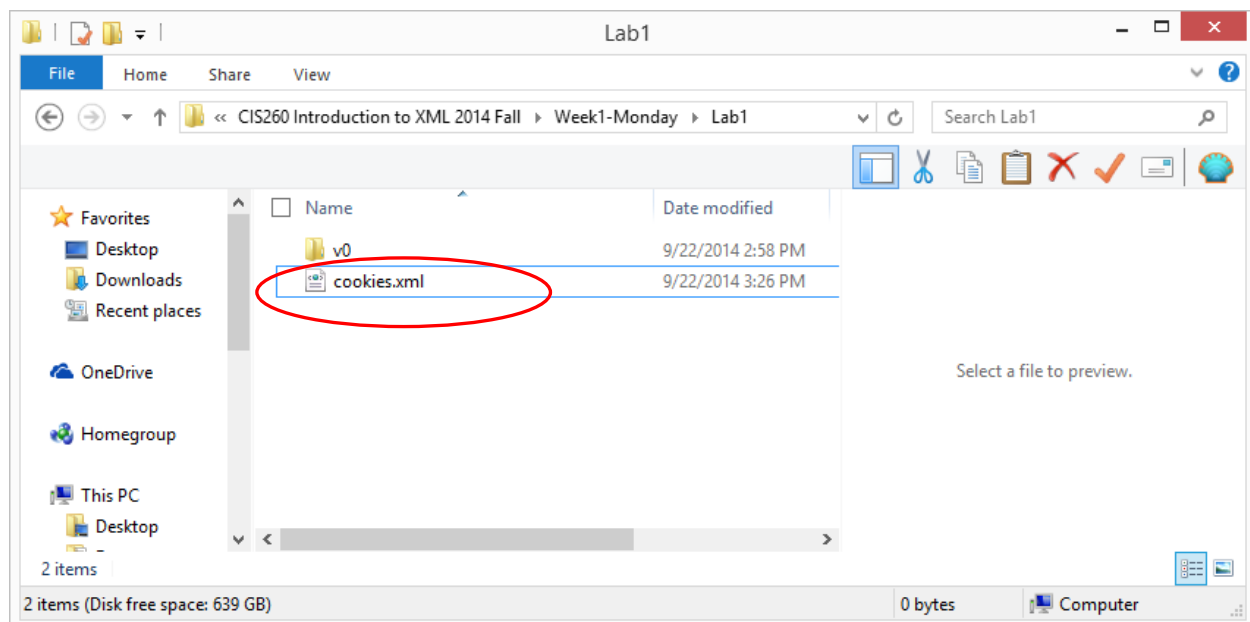
Uncheck **Hide extensions for known file types**. Click **OK**.



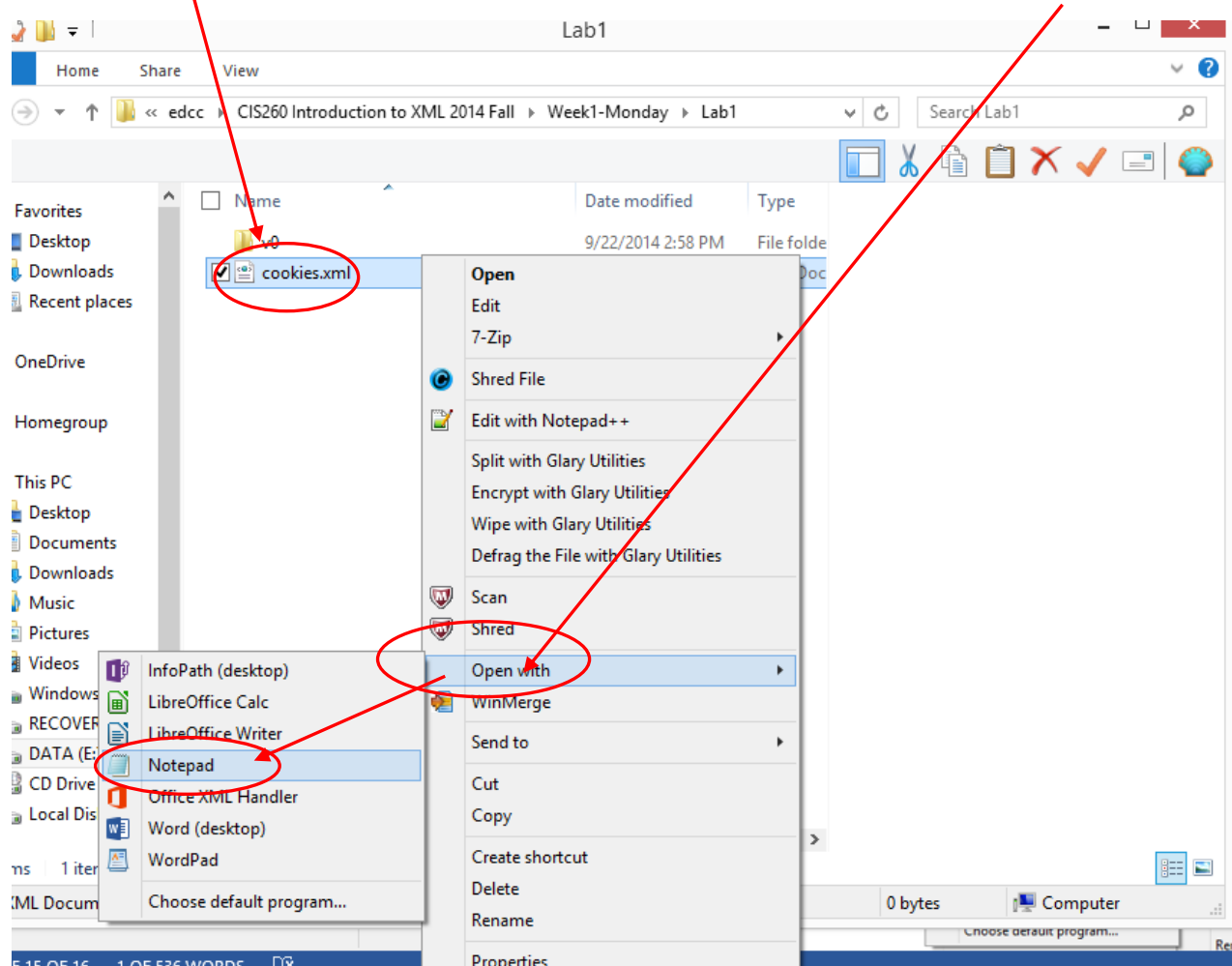
In your computer, create a new text document in your work folder (Right-click on an empty space of the folder window and click **New > Text Document**.)



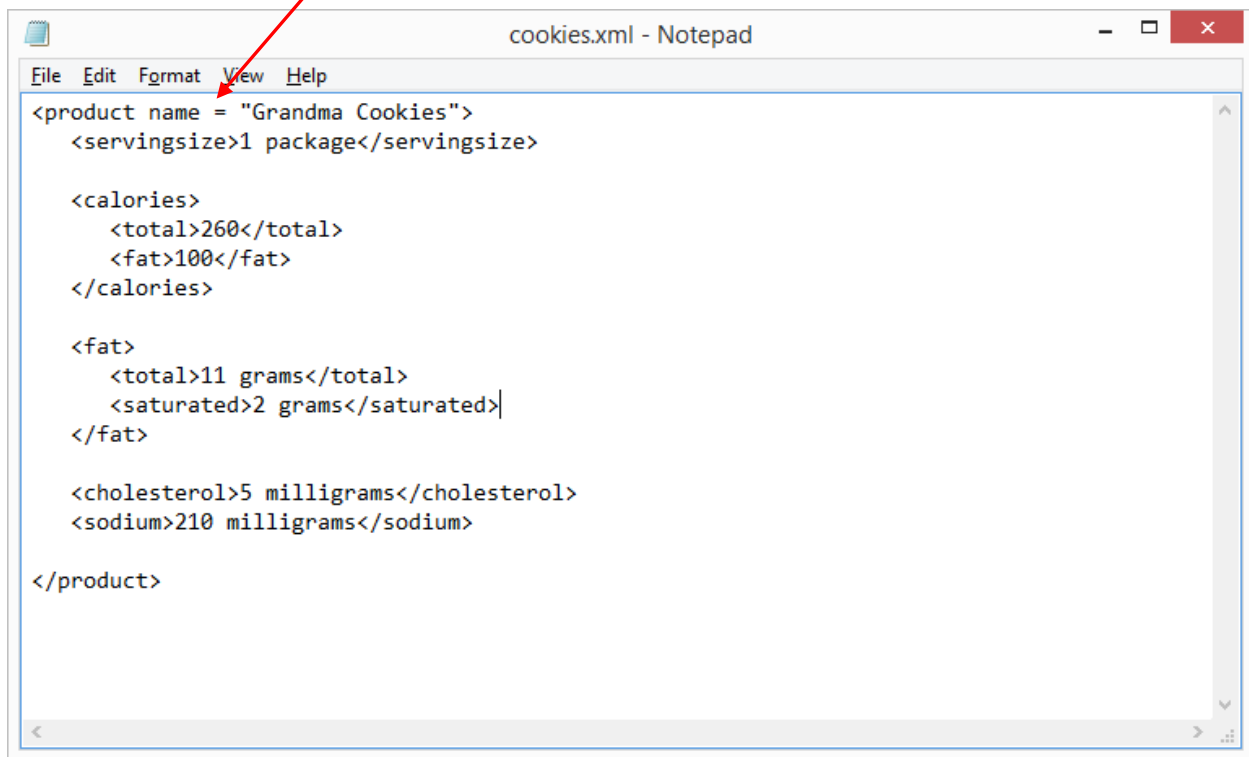
Name the document **cookies.xml**.



Open **cookies.xml** with **Notepad**. (Right-click on **cookies.xml** and click **Open with > Notepad**.)



Enter the content of the **cookies.xml** file.

A screenshot of a Notepad window titled "cookies.xml - Notepad". The window contains XML code for a product named "Grandma Cookies". A red arrow points from the text "cookies.xml file" in the previous block to the "View" menu item in the Notepad menu bar.

```
<product name = "Grandma Cookies">
  <servingsize>1 package</servingsize>

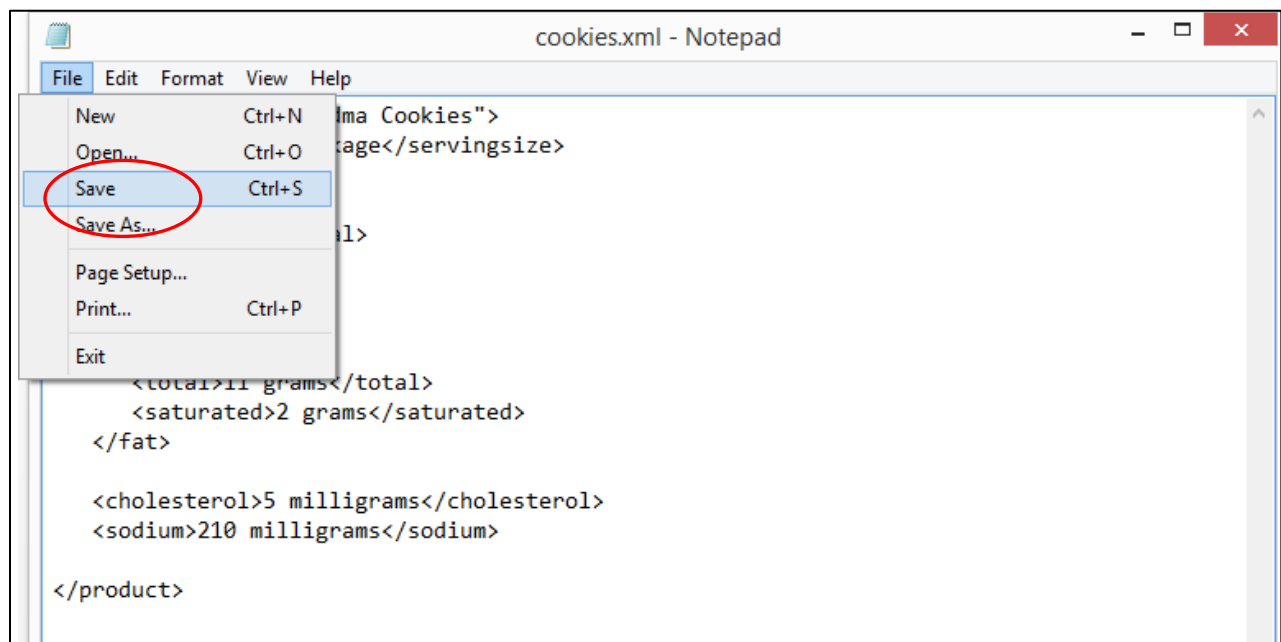
  <calories>
    <total>260</total>
    <fat>100</fat>
  </calories>

  <fat>
    <total>11 grams</total>
    <saturated>2 grams</saturated>
  </fat>

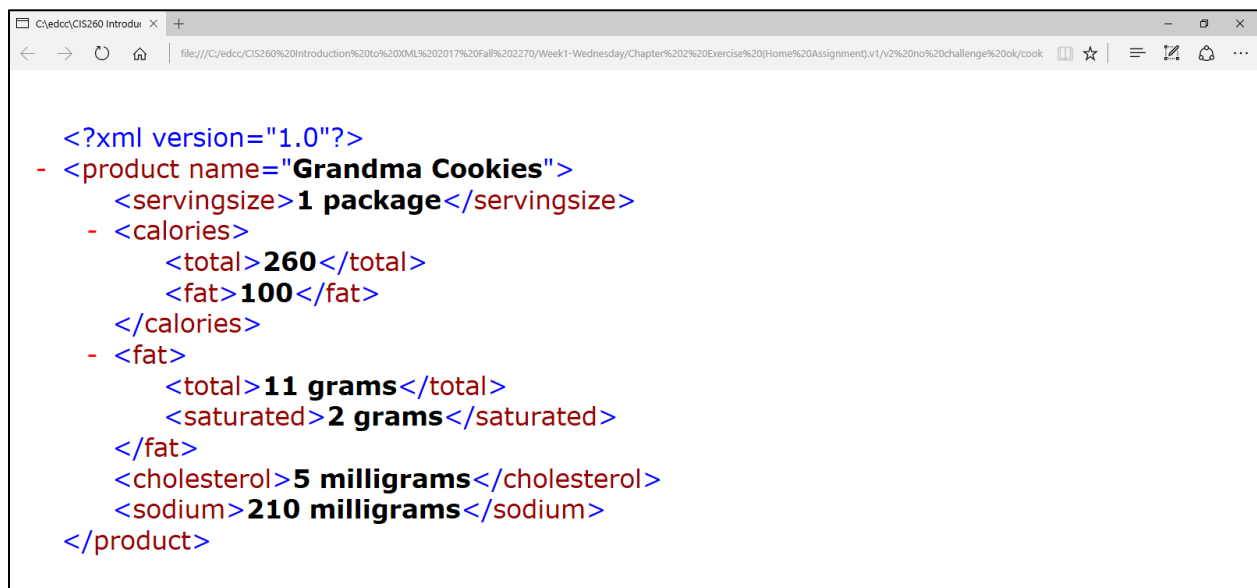
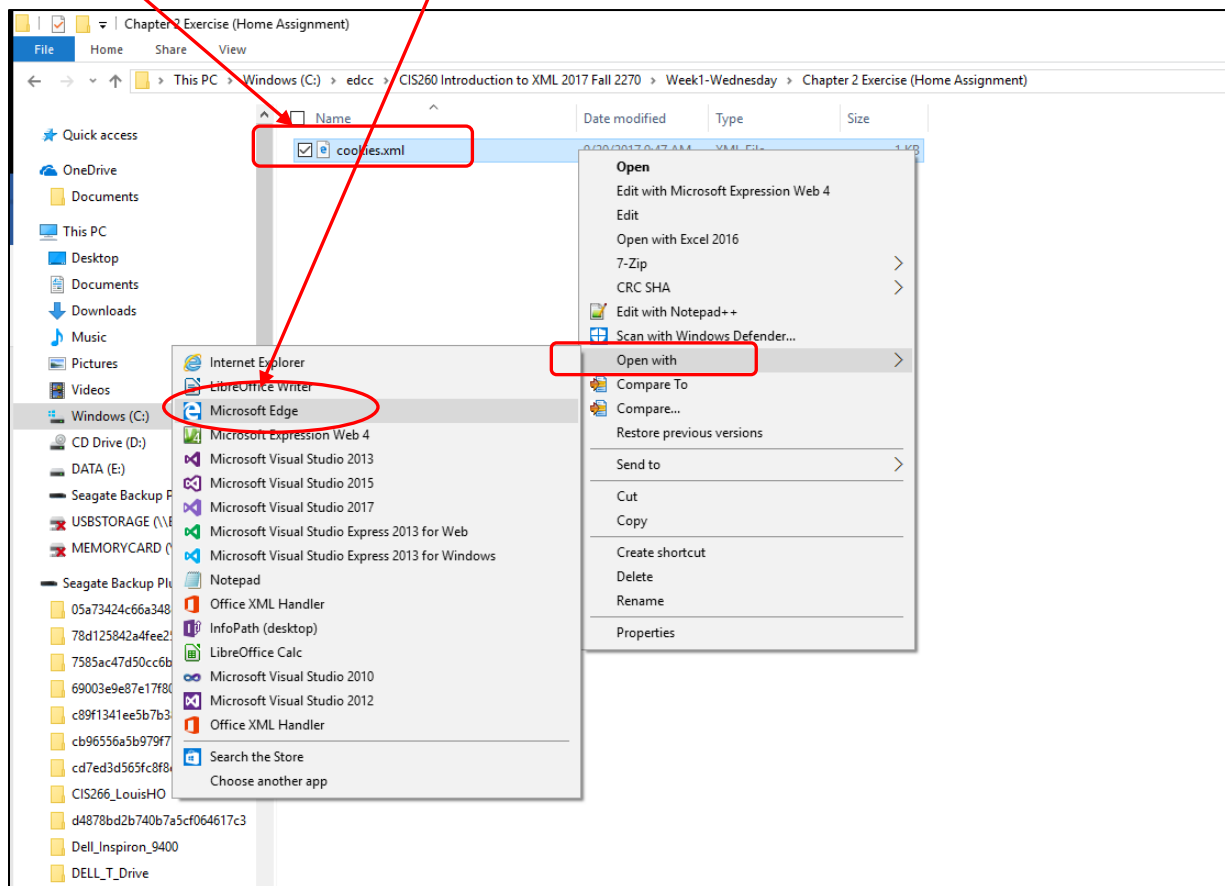
  <cholesterol>5 milligrams</cholesterol>
  <sodium>210 milligrams</sodium>

</product>
```

Click **File > Save** to save the new content.



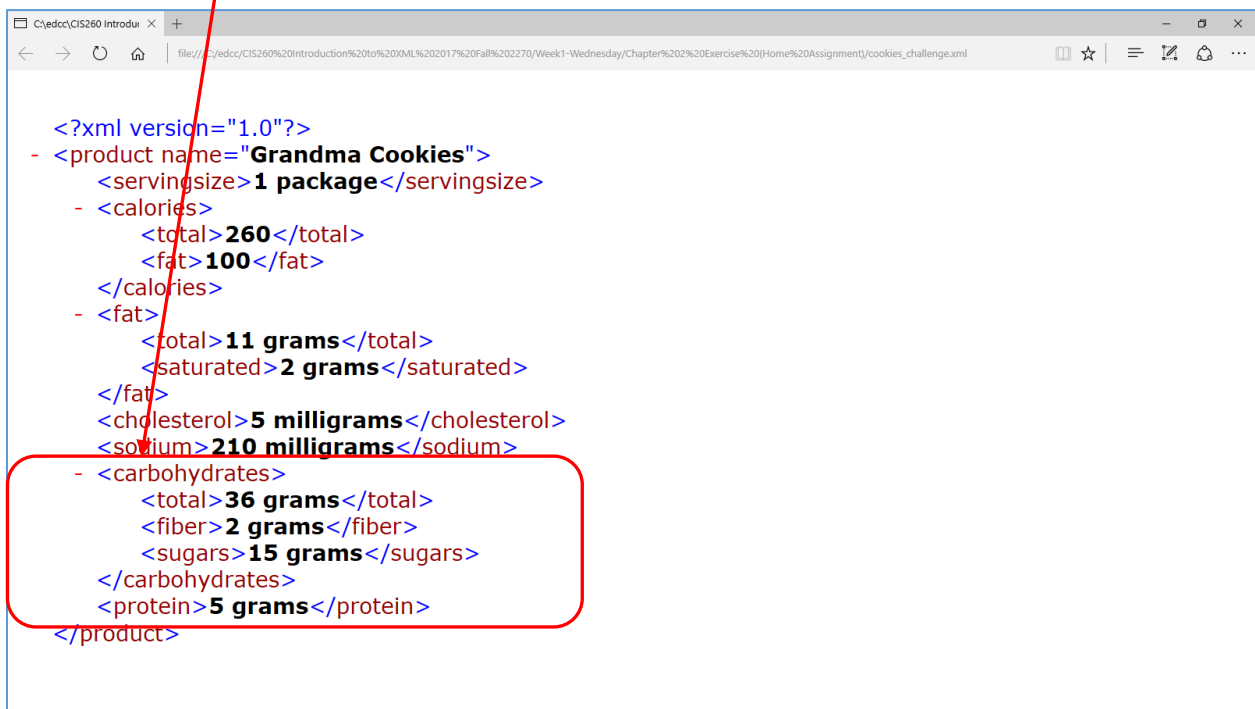
Open **cookies.xml** with a web browser.



Screenshot 1: Press **PrtScreen** to take screenshot of the result and paste it in a **Microsoft Word** document. Submit the **Microsoft Word** document at the end of the lab in **Canvas** together with the other screenshots of this lab.

Challenge:

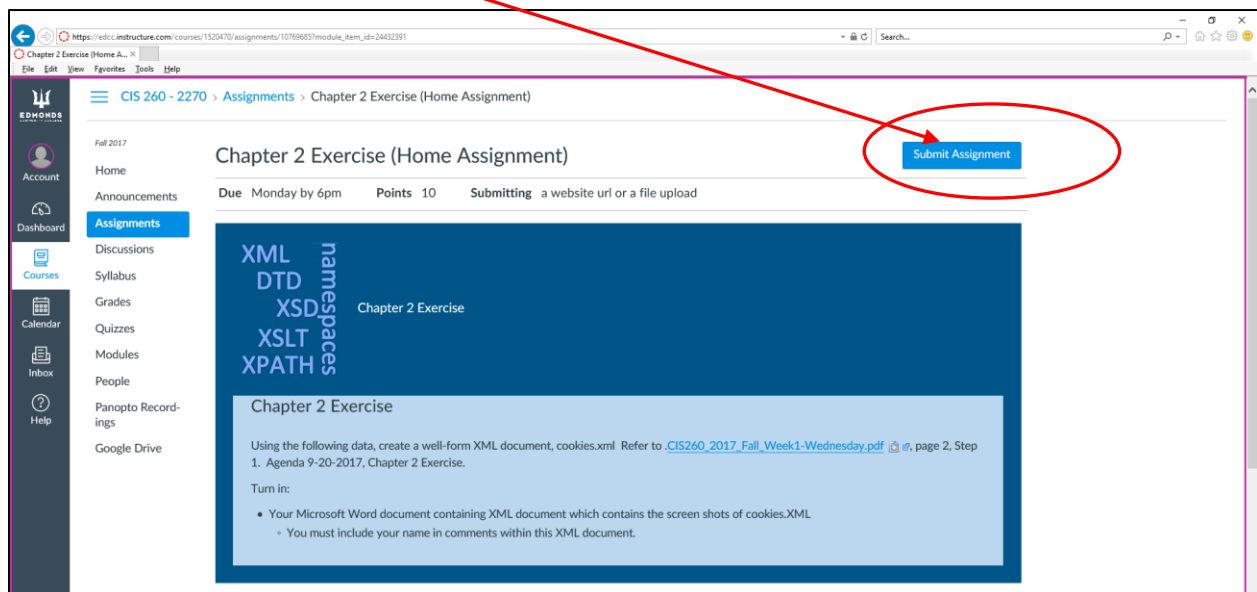
Add **Carbohydrates** and **protein**.



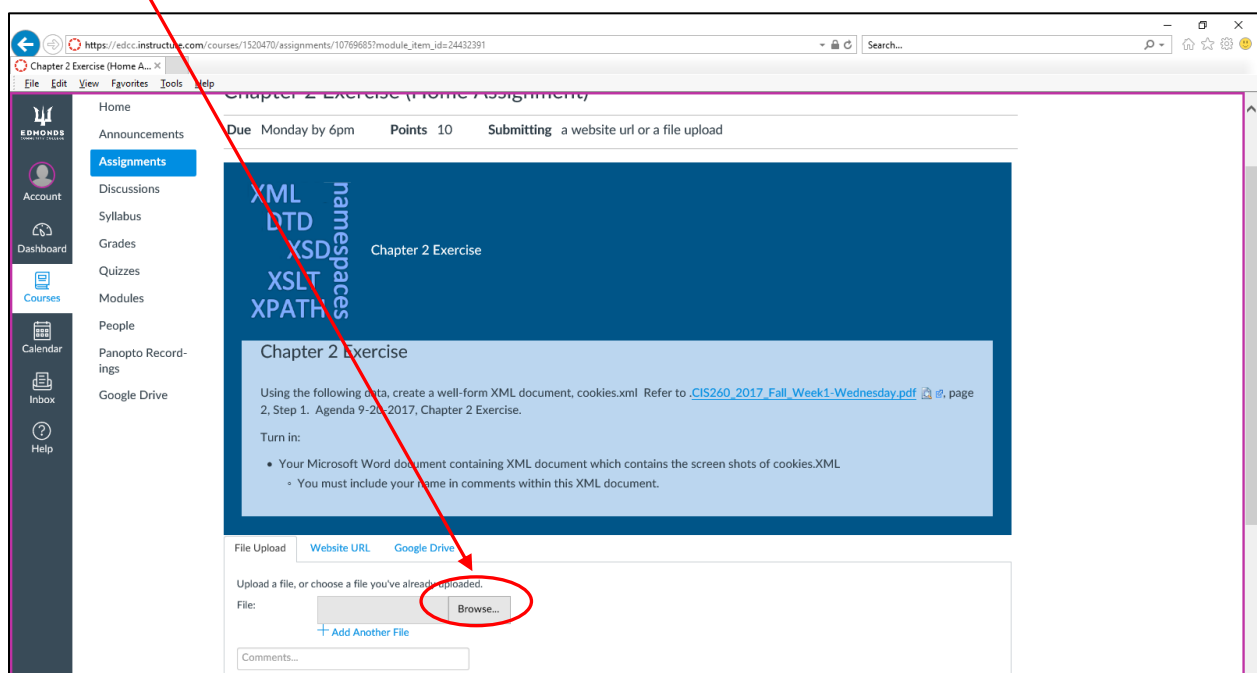
```
<?xml version="1.0"?>
- <product name="Grandma Cookies">
  <serving size>1 package</serving size>
  - <calories>
    <total>260</total>
    <fat>100</fat>
  </calories>
  - <fat>
    <total>11 grams</total>
    <saturated>2 grams</saturated>
  </fat>
  <cholesterol>5 milligrams</cholesterol>
  <sodium>210 milligrams</sodium>
  - <carbohydrates>
    <total>36 grams</total>
    <fiber>2 grams</fiber>
    <sugars>15 grams</sugars>
  </carbohydrates>
  <protein>5 grams</protein>
</product>
```

Screenshot 2: Press **PrtScreen** to take screenshot of the result and paste it in a **Microsoft Word** document. Submit the **Microsoft Word** document at the end of the lab in **Canvas** together with the other screenshots of this lab.

In **Canvas**, click **Submit Assignment** to submit the **Microsoft Word** document.



Click **Browse** to select the **Microsoft Word** document.

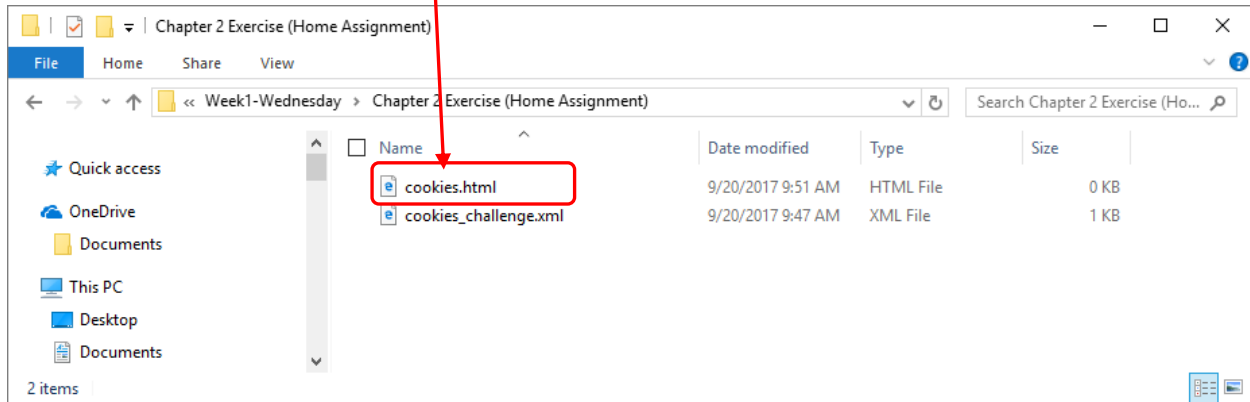


Select the Word document which contain your screen shots. Click **Submit Assignment** to submit the assignment.

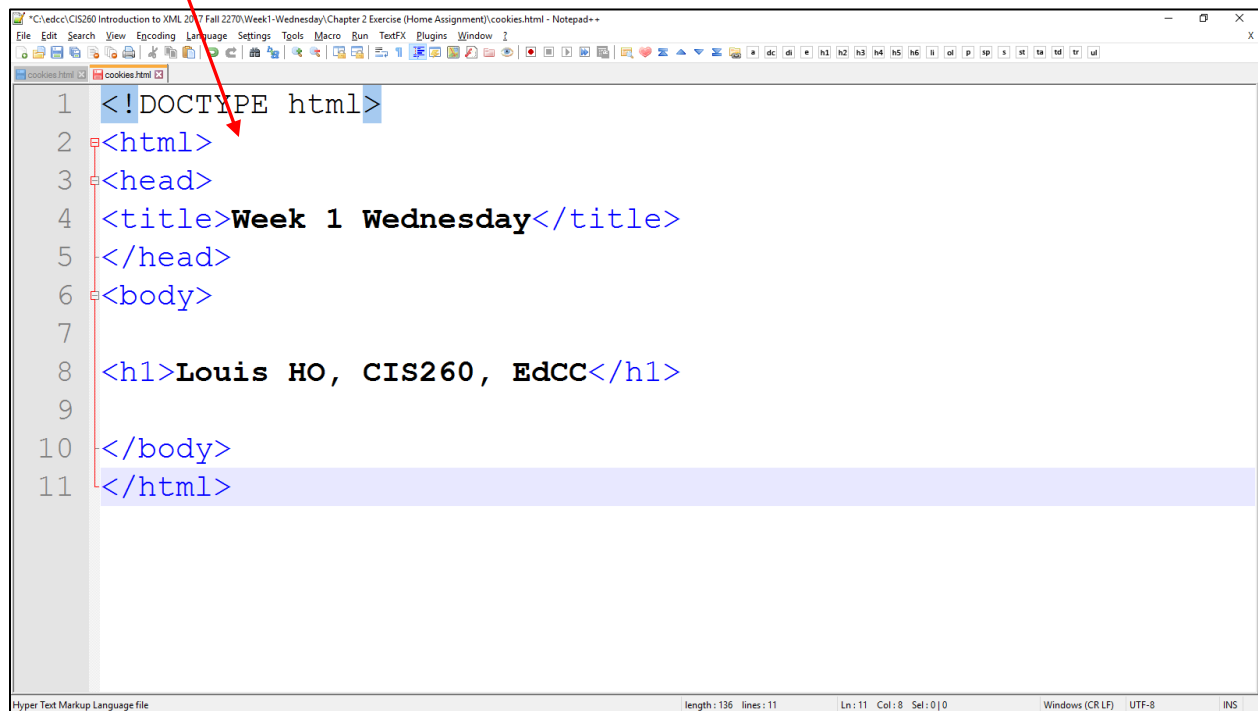
The screenshot shows a web browser window with the address bar displaying <https://edcc.instructure.com/courses/TC>. The page title is "Chapter 2 Exercise". On the left, there is a sidebar with navigation links: "People", "Blackboard Collaborate", "Collaborations", "Chat", and "Panopto Recordings". The main content area has a blue header with the text "XPath" and "Chapter 2 Exercise". Below the header, there is a text box with instructions: "Using the following data, create a well-form XML document, cookies.xml Refer to .CIS260_2014_Fall_Week1-Wednesday-1.pdf, page 12, Step 3. Agenda 9-24-2014, Chapter 2 Exercise." and a list of requirements: "Turn in: • Your Microsoft Word document containing XML document which contains the screen shots of cookies.XML • You must include your name in comments within this XML document." Below the instructions, there are two tabs: "File Upload" and "Website URL". Under the "File Upload" tab, there is a text input field for "File:" with the value "E:\edcc\CIS260 Introd...", a "Browse..." button, and an "Add Another File" link. Below the file input, there is a "Comments..." text input field. At the bottom of the form, there are two buttons: "Cancel" and "Submit Assignment", with the "Submit Assignment" button circled in red. At the bottom of the page, there is a footer with the text "You are currently logged into Student View" and a "Reset Student" button. A small note at the bottom right states: "Resetting the test student will clear all history for this student, allowing you to view the course as a brand new student."

Step 1. Agenda 9-20-2017
Chapter 2 Exercise (Home Assignment)
Cookies.html

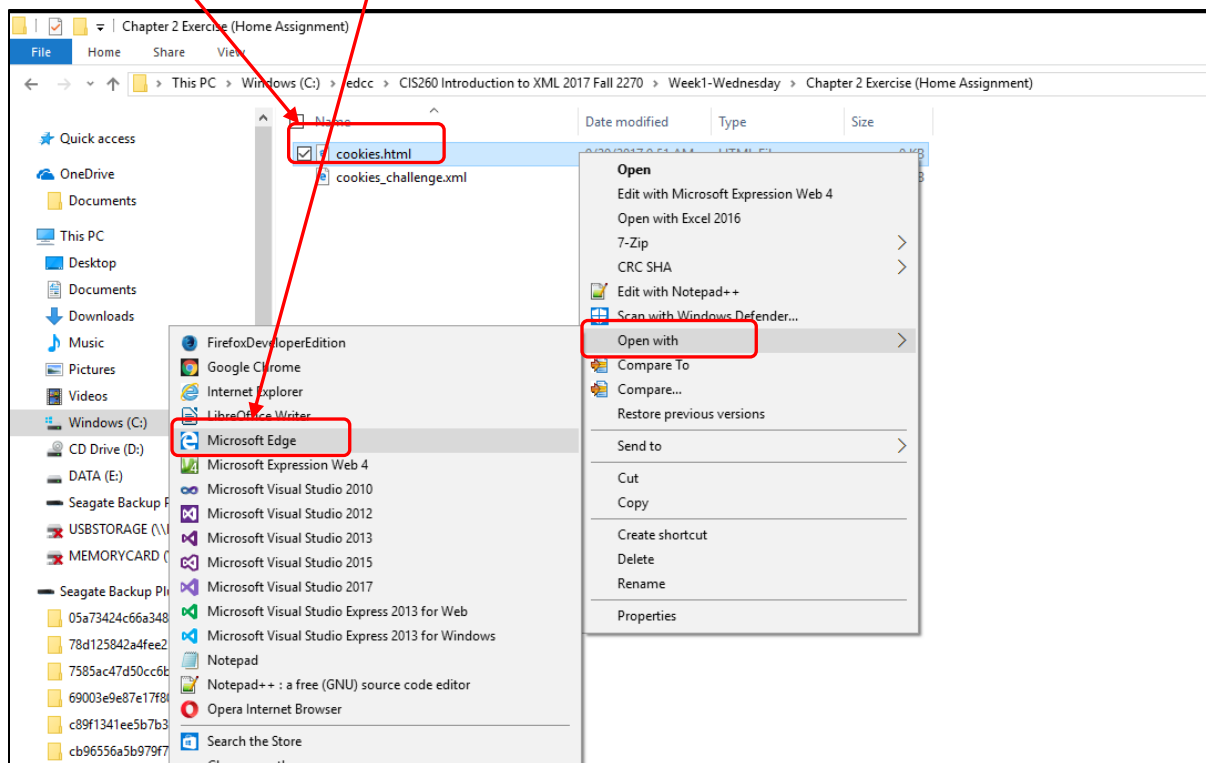
Create a new web page. Enter **Cookies.html** as file name.



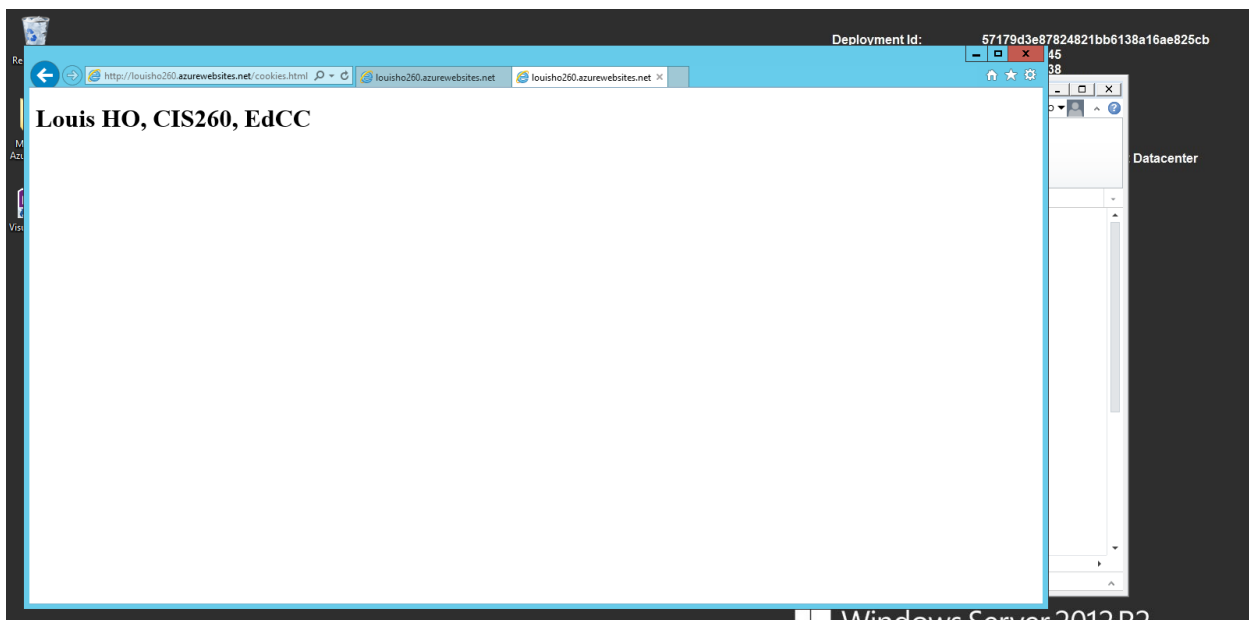
Open **cookies.html** with **Notepad** or your favorite editor (**Notepad++** for me). Enter your name and information in the webpage.



Open **cookies.html** with a web browser.



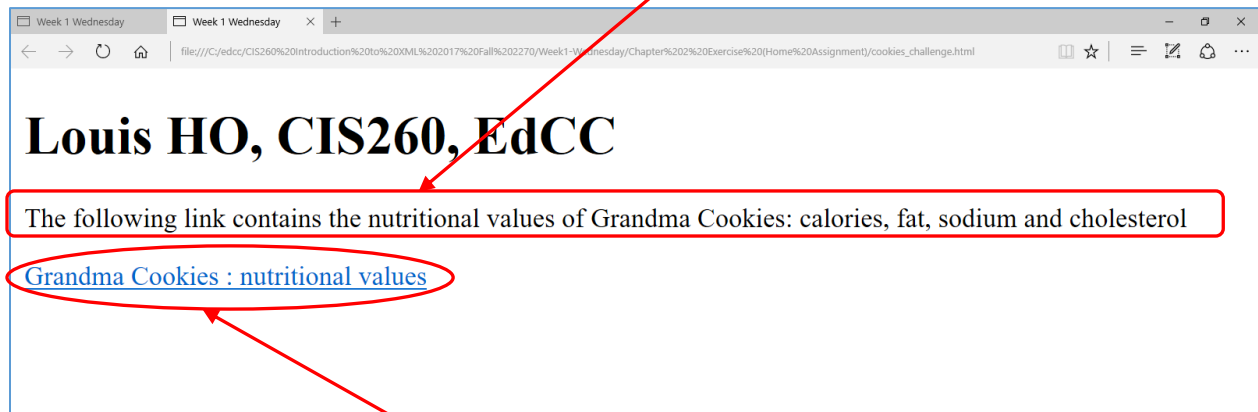
Your webpage is displayed.



Screenshot 3: Press **PrtScreen** to take screenshot of the result and paste it in a **Microsoft Word** document. Submit the **Microsoft Word** document at the end of the lab in **Canvas** together with the other screenshots of this lab.

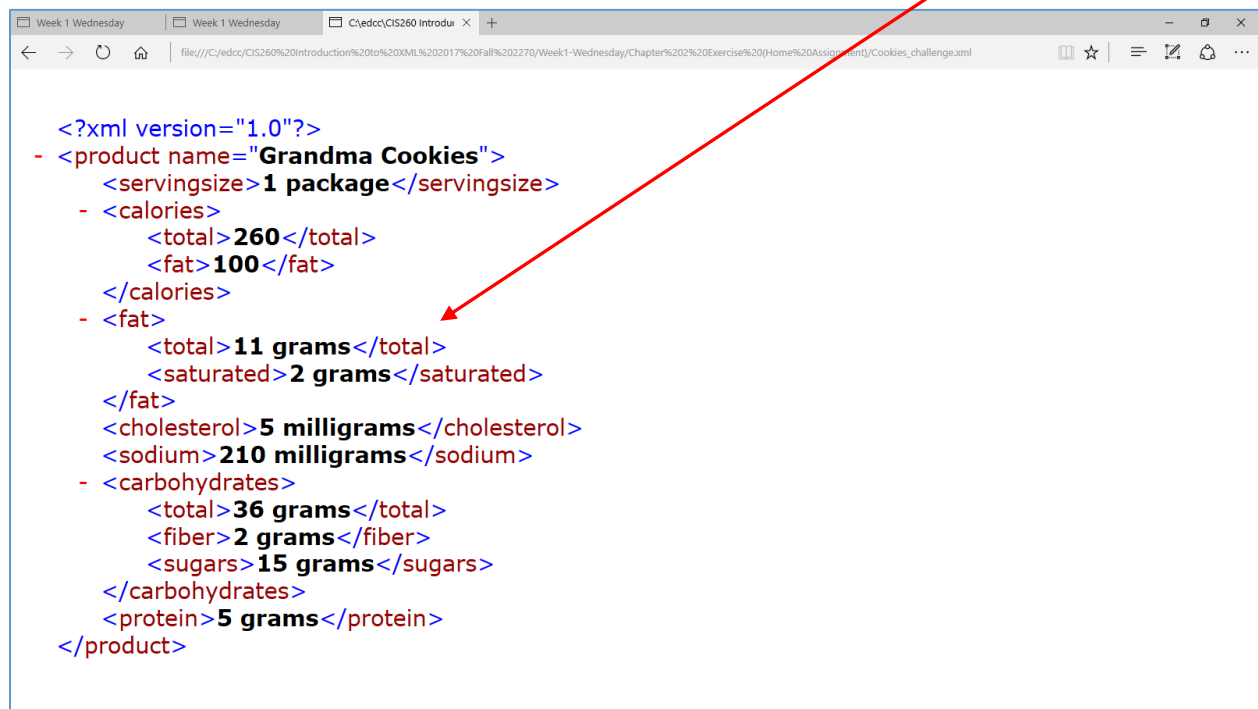
Challenge:

Create a paragraph describing the nutritional information of the cookies.



Screenshot 4: Press **PrtScreen** to take screenshot of the result and paste it in a **Microsoft Word** document. Submit the **Microsoft Word** document at the end of the lab in **Canvas** together with the other screenshots of this lab.

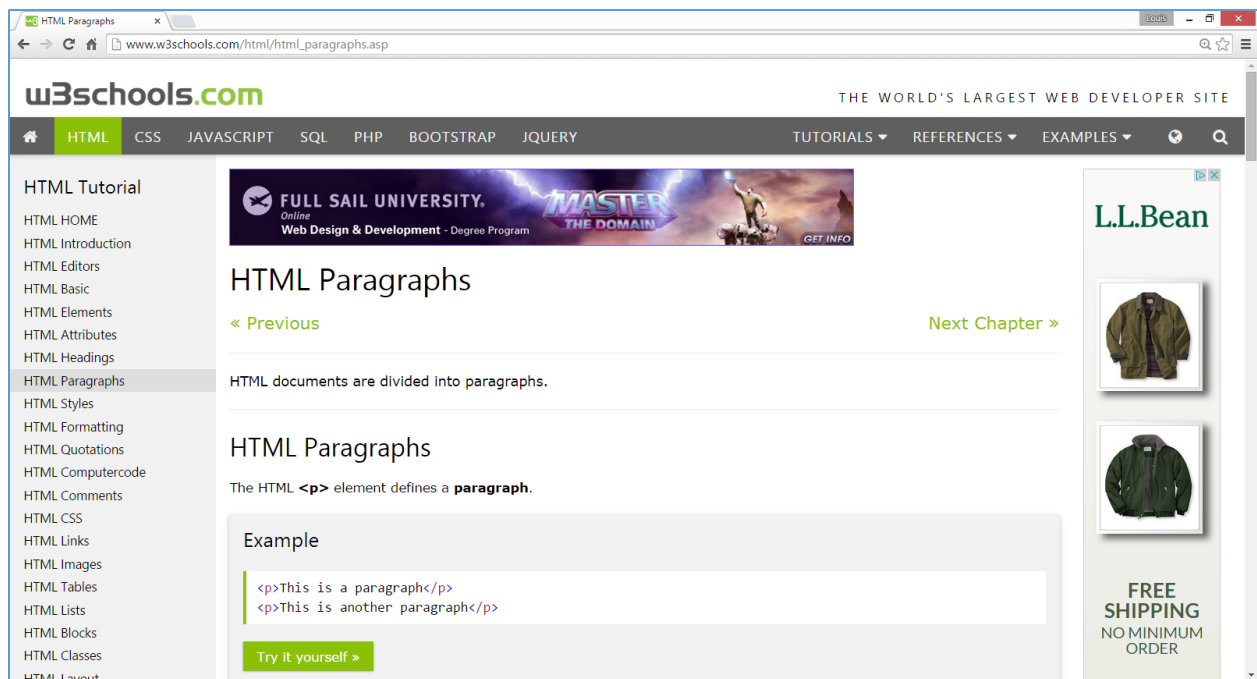
Also create a local link to **Cookies.xml**. Click on the **link**. It will display **Cookies.xml**.



Screenshot 5: Press **PrtScreen** to take screenshot of the result and paste it in a **Microsoft Word** document. Submit the **Microsoft Word** document at the end of the lab in **Canvas** together with the other screenshots of this lab.

Hint:

Refer to http://www.w3schools.com/html/html_paragraphs.asp to create a paragraph.



Hint:

Refer to http://www.w3schools.com/html/html_links.asp to create a **local link**.

