Lab 3

Due: October 3rd, 2023

MODE – 4201 – 02 Amelia Eric-Markovic 100818139



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XML

Pasted Code

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE projects SYSTEM "projects.dtd">
cts>
 <company>
   <companyname>Amelia Tech Solutions</companyname>
   <companyaddress>713 Lake Street, Toronto, ON</companyaddress>
   <logo>ATS_logo.png</logo>
   <website>www.Atechsolutions.com</website>
   <email>info@Atech.com</email>
   <phone>416-813-4061</phone>
   <phone>416-477-3560</phone>
 </company>
 project projid="P01">
   <title>Project A</title>
   <managers>
      <manager>
       <firstname>Mackenzie</firstname>
        <middlename>David</middlename>
        <lastname>Henry</lastname>
       <phone office="416-964-3741" home="416-224-6437"/>
```

```
<email>mac.henry@Atech.com</email>
  </manager>
</managers>
<teams>
  <team>
    <leader>John</leader>
    <developers>Max</developers>
    <developers>Mitchell</developers>
    <tester>Auston</tester>
    <documenters>Morgan</documenters>
    <documenters>Easton</documenters>
  </team>
</teams>
<cli>ents>
  <cli>client clientid="C01">
    <cli>clientname>EHCOnomics Corporation</clientname>
    <cli>entaddress>
      <street>152 Waveside Avenue</street>
      <city>Toronto</city>
      <country>Canada</country>
      <postcode>M5V 2R4</postcode>
    </clientaddress>
```

```
<cli>clientemail>contact@EHCOcorp.ca</clientemail>
       <cli>clientphone>416-631-6491</clientphone>
     </client>
   </clients>
   ctdate start="2023-01-15" end="2023-06-30"/>
   system.</projectcomments>
 </project>
 project projid="P02">
   <title>Project B</title>
   <managers>
     <manager>
       <firstname>Linda</firstname>
       <lastname>Ermos</lastname>
       <phone office="416-673-8529" home="416-844-4594"/>
       <email>linda.ermos@Atech.com</email>
     </manager>
   </managers>
   <teams>
     <team>
       <leader>Mark Kettles</leader>
       <developers>Emily</developers>
       <developers>Aby</developers>
```

DTD

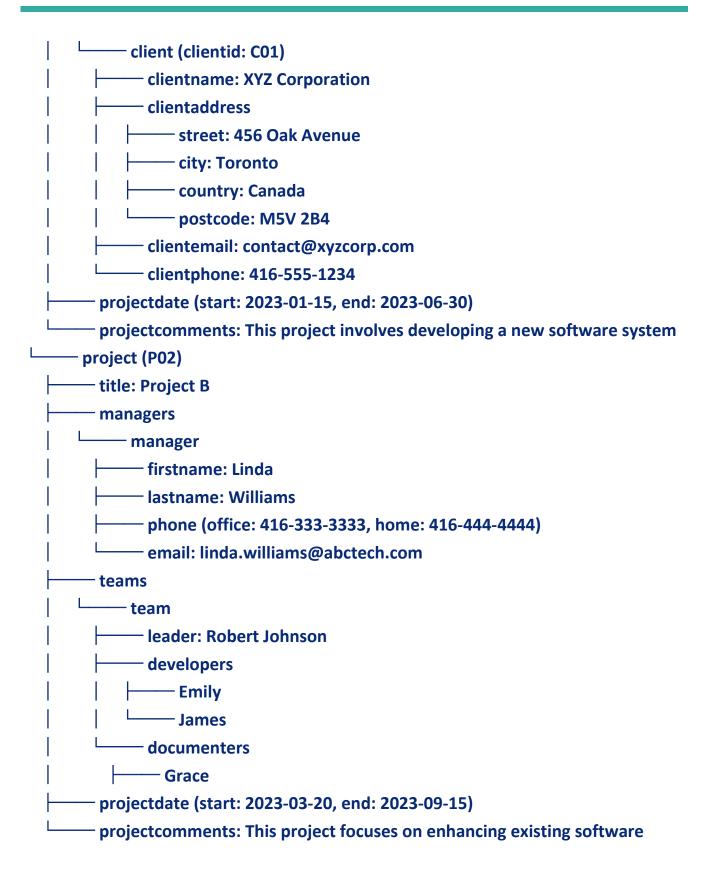
Pasted Code

```
<!ELEMENT projects (company, project+)>
<!ELEMENT company (companyname, companyaddress, logo, website?, email,</p>
phone+)>
<!ELEMENT companyname (#PCDATA)>
<!ELEMENT companyaddress (#PCDATA)>
<!ELEMENT logo (#PCDATA)>
<!ELEMENT website (#PCDATA)>
<!ELEMENT email (#PCDATA)>
<!ELEMENT phone (#PCDATA)>
<!ELEMENT project (title, managers, teams, clients?, projectdate, projectcomments)>
<!ATTLIST project projid CDATA #REQUIRED>
<!ELEMENT title (#PCDATA)>
<!ELEMENT managers (manager+)>
<!ELEMENT manager (firstname, middlename?, lastname, phone, email*)>
<!ELEMENT firstname (#PCDATA)>
<!ELEMENT middlename (#PCDATA)>
<!ELEMENT lastname (#PCDATA)>
<!ELEMENT phone (#PCDATA)>
<!ATTLIST phone office CDATA #IMPLIED>
<!ATTLIST phone home CDATA #IMPLIED>
<!ELEMENT email (#PCDATA)>
<!ELEMENT teams (team+)>
<!ELEMENT team (leader, developers+, tester?, documenters*)>
<!ELEMENT leader (#PCDATA)>
<!ELEMENT developers (#PCDATA)>
<!ELEMENT tester (#PCDATA)>
<!ELEMENT documenters (#PCDATA)>
<!ELEMENT clients (client*)>
<!ELEMENT client (clientname, clientaddress, clientemail, clientphone)>
<!ATTLIST client clientid CDATA #REQUIRED>
```

- <!ELEMENT clientname (#PCDATA)>
- <!ELEMENT clientaddress (street?, city, country, postcode?)>
- <!ELEMENT street (#PCDATA)>
- <!ELEMENT city (#PCDATA)>
- <!ELEMENT country (#PCDATA)>
- <!ELEMENT postcode (#PCDATA)>
- <!ELEMENT clientemail (#PCDATA)>
- <!ELEMENT clientphone (#PCDATA)>
- <!ELEMENT projectdate (#PCDATA)>
- <!ATTLIST projectdate start CDATA #REQUIRED>
- <!ATTLIST projectdate end CDATA #REQUIRED>
- <!ELEMENT projectcomments (#PCDATA)>

XML Tree Diagram





October 3rd, 2023

Validation Screenshot

```
File Edit Search View Encoding Language Settings Macro Run Plugins Window?
                 <company>
    <companyname>Amelia Tech Solutions</companyname>
    <companynaddress>713 Lake Street, Toronto, ON</companyaddress>
                       <companyaddress>713 Lake Street, Toronto,
<log>ATS logo.png</log>
<website>www.Atechsolutions.com</website>
<email>info@Atech.com</email>
<phone>416-813-4061</phone>
<phone>416-477-3560</phone>
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<
                               <manager>
                                    alandger>
<firstname>Mackenzie</firstname>
<middlename>David</middlename>
<lastname>Henry</lastname>
<phone office="416-964-3741" home="416-224-64">
<email>mac.henry@Atech.com</email>
                                                                                                                              XML Tools plugin ×
                       </manager>
</managers>
<teams>
                                                                                                                                             ОК
                                       <leader>John</leader>
                                      <developers>Max</developers>
<developers>Mitchell</developers>
                                   <tester>Auston<documenters>Morgan<documenters>Easton/documenters>
                               </team>
                        </teams>
                       <clients>
                               <city>Toronto</city>
                                                                                                                                   eXtensible Markup Language file
```