

Lab 03

XML And Related Technologies

Aaron LeBlanc

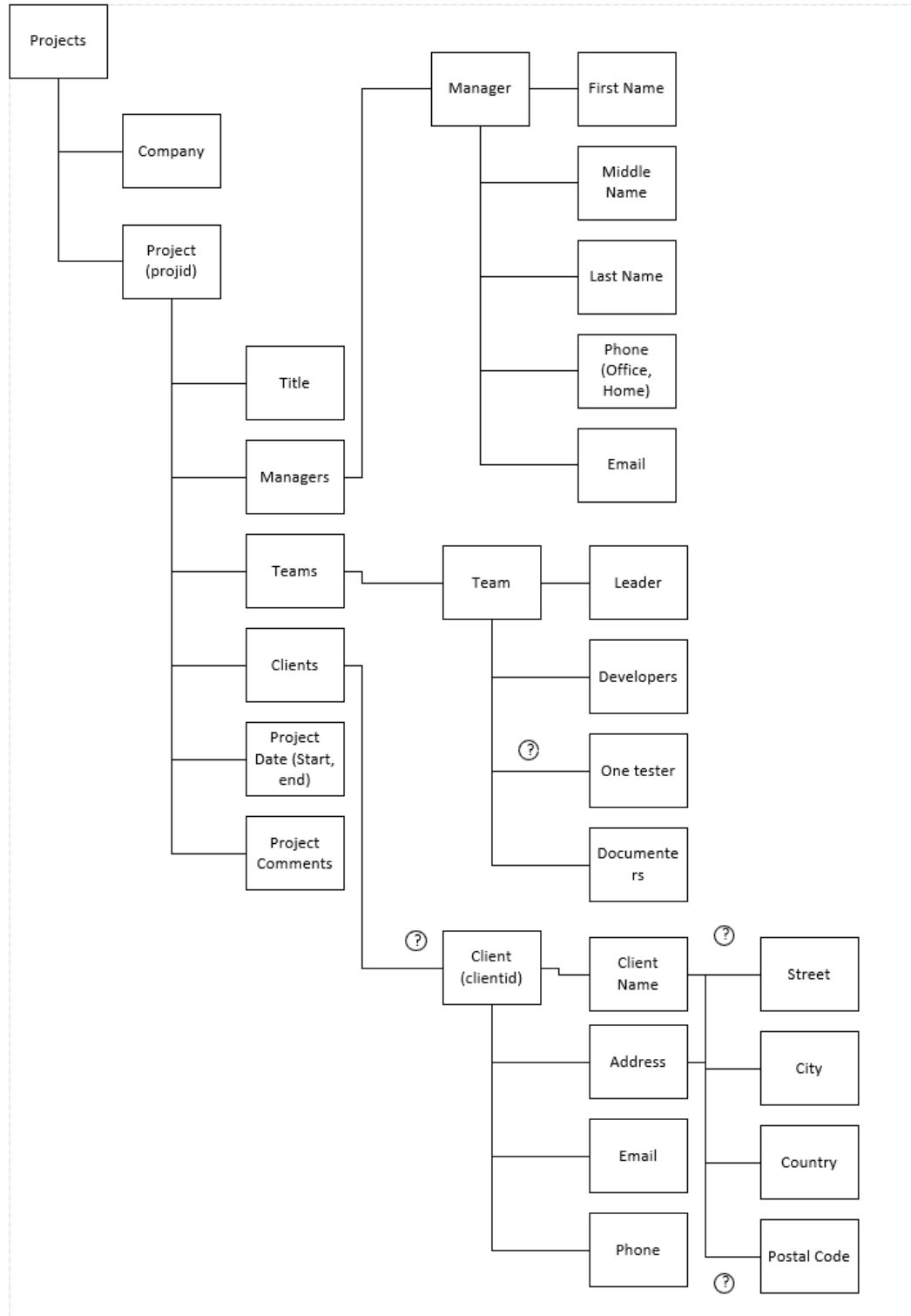
MODE 4201-02



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Section A: Tree Diagram



Section B: Projects.dtd Code

```
<!ELEMENT projects (company,project)>
  <!ELEMENT company (company-name, company-address, logo,
website-address, email, phone)>
    <!ELEMENT company-name (#PCDATA)>
    <!ELEMENT company-address (#PCDATA)>
    <!ELEMENT logo (#PCDATA)>
    <!ELEMENT website-address (#PCDATA)>
    <!ELEMENT email (#PCDATA)>
    <!ELEMENT phone (#PCDATA)>
  <!ELEMENT project (title, managers)>
    <!ELEMENT title (#PCDATA)>
    <!ELEMENT managers (#PCDATA)>
  <!ELEMENT manager(first-name, middle-name, last-name, phone, email)>
    <!ELEMENT first-name (#PCDATA)>
    <!ELEMENT last-name (#PCDATA)>
    <!ELEMENT middle-name (#PCDATA)>
    <!ELEMENT phone (#PCDATA)>
    <!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 (client-name)>
      <!ELEMENT address (street, city, country, postcode)>
        <!ELEMENT street (#PCDATA)>
        <!ELEMENT city (#PCDATA)>
        <!ELEMENT country (#PCDATA)>
        <!ELEMENT postcode (#PCDATA)>
      <!ELEMENT email (#PCDATA)>
      <!ELEMENT phone (#PCDATA)>
```

```
<!ELEMENT project-date (#PCDATA)>
<!ELEMENT project-comments (#PCDATA)>
```

Sections C: Projects.xml Code and Browser screenshot

```
<projects>
  <company>
    <company-name>Evergreen Solutions</company-name>
    <company-address>152 Ridgewood Road</company-address>
    <logo>Logo.png</logo>
    <website-address>www.evergreen.com</website-address>
    <email>EvergreenSolutions@outlook.com</email>
    <phone>647-526-9856</phone>
  </company>

  <project projid="P01">
    <title>Battery Powered Jetpack</title>
    <managers>
      <manager>
        <first-name>Aaron</first-name>
        <middle-name minOccurs="0"></middle-name>
        <last-name>LeBlanc</last-name>
        <phone type="Mobile">647-526-9856</phone>
        <phone type="Office">416-281-1277</phone>
        <email minOccurs="0">aaron33aaron@outlook.com</email>
      </manager>
    </managers>

    <teams>
      <team>
        <leader>Adam</leader>
        <developers>Rose</developers>
        <tester minOccurs="0">Leah</tester>
        <documenters minOccurs="0">Aidan</documenters>
      </team>
    </teams>
```

```

<clients>
  <client minOccurs="0" clientid="1">
    <client-name>Lauren</client-name>
    <address>
      <street minOccurs="0">12 Johnson Street</street>
      <city>Ohio</city>
      <country minOccurs="0">United States</country>
      <postcode minOccurs="0">J3V 3CD</postcode>
    </address>
    <email>Lauren@outlook.com</email>
    <phone>985-435-2354</phone>
  </client>
</clients>

  <project-date type="start">2021-10-08</project-date>
  <project-comments>Prototype can fly for five minutes before
overheating</project-comments>
</project>

<project projid="P012">
  <title>Diesal Powered Jetpack</title>
  <managers>
    <manager>
      <first-name>Dennis</first-name>
      <middle-name minOccurs="0">Stanton</middle-name>
      <last-name>Thomas</last-name>
      <phone type="Mobile">647-424-2896</phone>
      <phone type="Office">647-981-4257</phone>
      <email minOccurs="0">dennis@outlook.com</email>
    </manager>
  </managers>

  <teams>
    <team>
      <leader>Ruzica</leader>
      <developers>Bernard</developers>
      <tester minOccurs="0">Erica</tester>
      <documenters minOccurs="0">Omar</documenters>
    </team>
  </teams>

```

```

    <clients>
      <client minOccurs="0" clientid="1">
        <client-name>Valentina</client-name>
        <address>
          <street minOccurs="0">1278 Brantford Street</street>
          <city>Toronto</city>
          <country minOccurs="0">Canada</country>
          <postcode minOccurs="0">M1C 3C3</postcode>
        </address>
        <email>Valentina@outlook.com</email>
        <phone>647-435-2354</phone>
      </client>
    </clients>

    <project-date type="start">2014-04-02</project-date>
    <project-comments>Prototype can fly but its bad for
enviroment</project-comments>
  </project>
</projects>

```

Quiz #3 Reflection - 2021 X Earn tokens while connect X 8dBi Fiber Glass Antenna X

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Apps Mail - Professional... DC Mail Outlook Laravel Homepage - Durha... Calen

This XML file does not appear to have any style information associated with it. The document tree is shown

```
<?xml version="1.0" encoding="UTF-8" ?>
<projects>
  <company>
    <company-name>Evergreen Solutions</company-name>
    <company-address>152 Ridgewood Road</company-address>
    <logo>Logo.png</logo>
    <website-address>www.evergreen.com</website-address>
    <email>EvergreenSolutions@outlook.com</email>
    <phone>647-526-9856</phone>
  </company>
  <project projid="P01">
    <title>Battery Powered Jetpack</title>
    <managers>
      <manager>
        <first-name>Aaron</first-name>
        <middle-name minOccurs="0"/>
        <last-name>LeBlanc</last-name>
        <phone type="Mobile">647-526-9856</phone>
        <phone type="Office">416-281-1277</phone>
        <email minOccurs="0">aaron33aaron@outlook.com</email>
      </manager>
    </managers>
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      <team>
        <leader>Adam</leader>
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        <tester minOccurs="0">Leah</tester>
        <documenters minOccurs="0">Aidan</documenters>
      </team>
    </teams>
    <clients>
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        </address>
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        <phone>985-435-2354</phone>
      </client>
    </clients>
    <project-date type="start">2021-10-08</project-date>
    <project-comments>Prototype can fly for five minutes before overheating</project-comments>
  </project>
  <project projid="P012">
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        <first-name>Dennis</first-name>
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    </managers>
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          <city>Toronto</city>
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        <phone>647-435-2354</phone>
      </client>
    </clients>
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    <project-comments>Prototype can fly but its bad for enviroment</project-comments>
  </project>
</projects>
```


XML document:

```
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2 ❌ELEMENT projects (company,project)>  
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```

