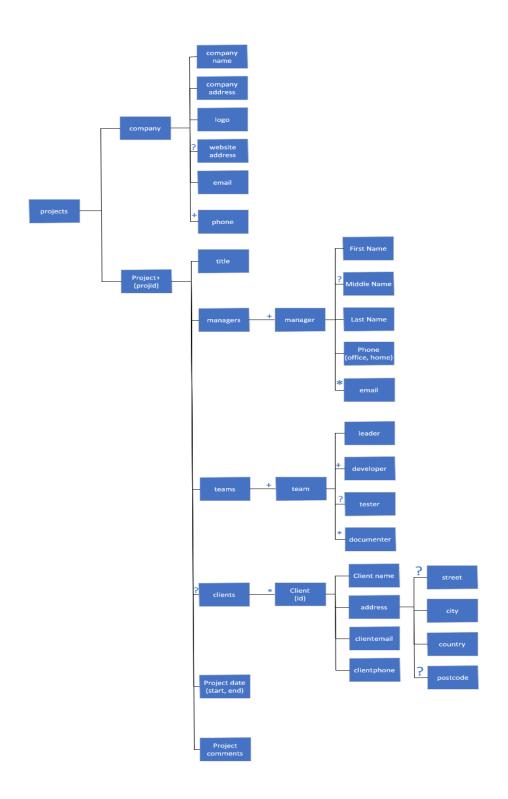
Lab 3
Dhruv Patel
#100800111
MODE – 4201



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Tree Diagram



Projects.dtd code

```
<!-- projects.dtd -->
<!-- DTD for Projects
                         -->
<!ELEMENT projects (company, project+)>
<!ELEMENT company (companyname, companyaddress, companylogo, companywebsite?,</pre>
companyemail, companyphone+)>
<!ELEMENT companyname (#PCDATA)>
<!ELEMENT companyaddress (#PCDATA)>
<!ELEMENT companylogo (#PCDATA)>
<!ELEMENT companywebsite (#PCDATA)>
<!ELEMENT companyemail (#PCDATA)>
<!ELEMENT companyphone (#PCDATA)>
<!ELEMENT project (title, managers, teams, clients?, projectdate, comments)>
<!ATTLIST project projid ID #REOUIRED>
<!ELEMENT title (#PCDATA)>
<!ELEMENT managers (manager+)>
<!ELEMENT manager (firstname, middlename?, lastname, managerphone, email*)>
<!ELEMENT firstname (#PCDATA)>
<!ELEMENT middlename (#PCDATA)>
<!ELEMENT lastname (#PCDATA)>
<!ATTLIST managerphone office CDATA #IMPLIED
                              CDATA #IMPLIED>
                       home
<!ELEMENT managerphone EMPTY>
<!ELEMENT email (#PCDATA)>
<!ELEMENT teams (team+)>
<!ELEMENT team (leader, developer+, tester?, documenter*)>
<!ELEMENT leader (#PCDATA)>
<!ELEMENT developer (#PCDATA)>
<!ELEMENT tester (#PCDATA)>
<!ELEMENT documenter (#PCDATA)>
<!ELEMENT clients (client*)>
<!ELEMENT client (name, address, clientemail, clientphone)>
<!ATTLIST client clientid ID #REQUIRED>
<!ELEMENT name (#PCDATA)>
<!ELEMENT address (street, city, country, postcode)>
<!ELEMENT street (#PCDATA)>
<!ELEMENT city (#PCDATA)>
<!ELEMENT country (#PCDATA)>
<!ELEMENT postcode (#PCDATA)>
<!ELEMENT clientemail (#PCDATA)>
<!ELEMENT clientphone (#PCDATA)>
<!ATTLIST projectdate start CDATA #IMPLIED
                            CDATA #IMPLIED>
                      end
<!ELEMENT projectdate EMPTY>
<!ELEMENT comments (#PCDATA)>
```

Projects.xml code

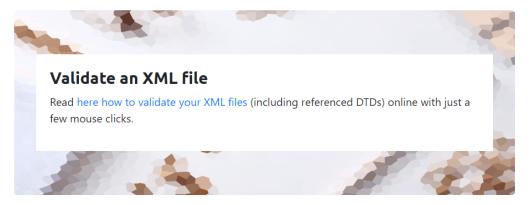
```
<?xml version="1.0" encoding="UTF-8"?>
<!-- projects.xml
                   -->
<!-- Day Projects XML document -->
<!DOCTYPE projects SYSTEM "projects.dtd">
cts>
    <company>
        <companyname>Ekitai Data Inc.</companyname>
        <companyaddress>611 Galahad Dr #68, Oshawa, ON L1K 1M1</companyaddress>
        <companylogo>E:\Windows Work Backup\Semester
5\MODE\Lab3\img\ekitai final logo.png</companylogo>
        <companywebsite>https://ekit.ai/</companywebsite>
        <companyemail>info@ekit.ai</companyemail>
        <companyphone>+1-626-616-2194</companyphone>
    </company>
    cproject projid="P01">
        <title> Database Creation </title>
        <managers>
            <manager>
                <firstname>John</firstname>
                <middlename>l</middlename>
                <lastname>Kennefy</lastname>
                <managerphone office="985-526-4141" home="985-526-5151"/>
                <email>johnk@ekit.ai
            </manager>
        </managers>
        <teams>
                <leader>Jayram Rajpoot</leader>
                <developer>Urvil Patel</developer>
                <tester>Khilji Maharaj</tester>
                <documenter>Casey Ocean</documenter>
            </team>
        </teams>
        <clients>
            <client clientid="C01">
                <name>Jetal Pur</name>
                <address>
                    <street>1234 Steeles St</street>
                    <city>Brampton, Ontario</city>
                    <country>Canada</country>
                    <postcode>L1G 0E7</postcode>
                </address>
                <cli>entemail>jetalpur@example.com</clientemail>
                <cli>entphone>565-478-9895</clientphone>
```

```
</client>
        </clients>
        cprojectdate start="02-09-2020" end="02-10-2022" />
        <comments> We solely focus on providing great services on AI and we
condemn on our commitment. </comments>
    </project>
    cproject projid="P02">
        <title> Save Water Web Application </title>
        <managers>
            <manager>
                <firstname>Dhruv</firstname>
                <middlename>A</middlename>
                <lastname>Patel</lastname>
                <managerphone office="905-260-1000" home="985-555-2222"/>
                <email>dhruv.patel14@dcmail.ca
            </manager>
        </managers>
        <teams>
            <team>
                <leader>Yash Patel</leader>
                <developer>Aman Patel</developer>
                <tester>Parth Patel</tester>
                <documenter>Advait Patel</documenter>
            </team>
        </teams>
        <clients>
            <client clientid="C02">
                <name>Surat Nagari
                <address>
                    <street>1772 Finkle Dr</street>
                    <city>Brampton, Ontario</city>
                    <country>Canada</country>
                    <postcode>L3G 9J3</postcode>
                </address>
                <cli>clientemail>suratnagari@example.com</clientemail>
                <cli>entphone>565-212-2548</clientphone>
            </client>
        </clients>
        cprojectdate start="02-10-2019" end="10-08-2022" />
        <comments> We focusing on making website which gives valuable information
to the audience about saving water. </comments>
    </project>
</projects>
```

XML Validation Confirmation



Validate Documentation An example



No errors were found

The following files have been uploaded so far:

XML document:∂

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