C – creates new object

R – reads the current data

U – updates a certain instance of the data

D – deletes a certain instance of the data

**Idea**

App which scrapes data from NFL.com/ESPN.com to gather information on NFL all time leaders in stats

**Associations**

Records belongs\_to Category

Category has\_many Records

Records belong\_to Player

Player has\_many Records

Player has\_many Categories through Records

Category has\_many Players through Records

**Schema XML**

<?xml version="1.0" encoding="utf-8" ?>

<!-- SQL XML created by WWW SQL Designer, http://code.google.com/p/wwwsqldesigner/ -->

<!-- Active URL: https://socrates.devbootcamp.com/sql.html -->

<sql>

<datatypes db="mysql">

<group label="Numeric" color="rgb(238,238,170)">

<type label="Integer" length="0" sql="INTEGER" re="INT" quote=""/>

<type label="Decimal" length="1" sql="DECIMAL" re="DEC" quote=""/>

<type label="Single precision" length="0" sql="FLOAT" quote=""/>

<type label="Double precision" length="0" sql="DOUBLE" re="DOUBLE" quote=""/>

</group>

<group label="Character" color="rgb(255,200,200)">

<type label="Char" length="1" sql="CHAR" quote="'"/>

<type label="Varchar" length="1" sql="VARCHAR" quote="'"/>

<type label="Text" length="0" sql="MEDIUMTEXT" re="TEXT" quote="'"/>

<type label="Binary" length="1" sql="BINARY" quote="'"/>

<type label="Varbinary" length="1" sql="VARBINARY" quote="'"/>

<type label="BLOB" length="0" sql="BLOB" re="BLOB" quote="'"/>

</group>

<group label="Date &amp; Time" color="rgb(200,255,200)">

<type label="Date" length="0" sql="DATE" quote="'"/>

<type label="Time" length="0" sql="TIME" quote="'"/>

<type label="Datetime" length="0" sql="DATETIME" quote="'"/>

<type label="Year" length="0" sql="YEAR" quote=""/>

<type label="Timestamp" length="0" sql="TIMESTAMP" quote="'"/>

</group>

<group label="Miscellaneous" color="rgb(200,200,255)">

<type label="ENUM" length="1" sql="ENUM" quote=""/>

<type label="SET" length="1" sql="SET" quote=""/>

<type label="Bit" length="0" sql="bit" quote=""/>

</group>

</datatypes><table x="458" y="387" name="players">

<row name="id" null="1" autoincrement="1">

<datatype>INTEGER</datatype>

<default>NULL</default></row>

<row name="name" null="1" autoincrement="0">

<datatype>VARCHAR</datatype>

<default>NULL</default></row>

<key type="PRIMARY" name="">

<part>id</part>

</key>

</table>

<table x="245" y="361" name="records">

<row name="id" null="1" autoincrement="1">

<datatype>INTEGER</datatype>

<default>NULL</default></row>

<row name="player\_id" null="1" autoincrement="0">

<datatype>INTEGER</datatype>

<default>NULL</default><relation table="players" row="id" />

</row>

<row name="category\_id" null="1" autoincrement="0">

<datatype>INTEGER</datatype>

<default>NULL</default><relation table="categories" row="id" />

</row>

<row name="statistic" null="1" autoincrement="0">

<datatype>INTEGER</datatype>

<default>NULL</default></row>

<key type="PRIMARY" name="">

<part>id</part>

</key>

</table>

<table x="38" y="380" name="categories">

<row name="id" null="1" autoincrement="1">

<datatype>INTEGER</datatype>

<default>NULL</default></row>

<row name="name" null="1" autoincrement="0">

<datatype>VARCHAR</datatype>

<default>NULL</default></row>

<key type="PRIMARY" name="">

<part>id</part>

</key>

</table>

<table x="61" y="106" name="users">

<row name="id" null="1" autoincrement="1">

<datatype>INTEGER</datatype>

<default>NULL</default></row>

<key type="PRIMARY" name="">

<part>id</part>

</key>

</table>

<table x="258" y="100" name="teams">

<row name="id" null="1" autoincrement="1">

<datatype>INTEGER</datatype>

<default>NULL</default></row>

<row name="user\_id" null="1" autoincrement="0">

<datatype>INTEGER</datatype>

<default>NULL</default><relation table="users" row="id" />

</row>

<key type="PRIMARY" name="">

<part>id</part>

</key>

</table>

<table x="450" y="98" name="fantasy\_players">

<row name="id" null="1" autoincrement="1">

<datatype>INTEGER</datatype>

<default>NULL</default></row>

<row name="team\_id" null="1" autoincrement="0">

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<row name="player\_id" null="1" autoincrement="0">

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<default>NULL</default><relation table="players" row="id" />

</row>

<key type="PRIMARY" name="">

<part>id</part>

</key>

</table>

</sql>