



# Restaurant ontology diagram

Desarrollo de Sistemas de Software basados en Componentes y Servicios

Pedro Manuel Gómez-Portillo López  
[gomezportillo@correo.ugr.es](mailto:gomezportillo@correo.ugr.es)

30 de Noviembre de 2018

# Statement

Draw a graph showing the Orchid and Magnolia class instances and their predicates, according to the RDF graph defined by the code below:

```
<rdf:RDF
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:owl="http://www.w3.org/2002/07/owl#"
  xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:plants="http://www.linkeddatatools.com/plants#">
  <!-- OWL Header Omitted For Brevity -->
  <!-- OWL Classes Omitted For Brevity -->
  <!-- Define the family property -->
  <owl:DatatypeProperty rdf:about="http://www.linkeddatatools.com/plants#family"/>
  <!-- Define the similarlyPopularTo property -->
  <owl:ObjectProperty rdf:about="http://www.linkeddatatools.com/plants#similarlyPopularTo"/>
  <!-- Define the Orchid class instance -->
  <rdf:Description rdf:about="http://www.linkeddatatools.com/plants#orchid">
    <!-- Orchid is an individual (instance) of the flowers class -->
    <rdf:type rdf:resource="http://www.linkeddatatools.com/plants#flowers"/>
    <!-- The orchid is part of the 'Orchidaceae' family -->
    <plants:family>Orchidaceae</plants:family>
    <!-- The orchid is similarly popular to the magnolia -->
    <plants:similarlyPopularTo rdf:resource="http://www.linkeddatatools.com/plants#magnolia"/>
  </rdf:Description>
  <!-- Define the Magnolia class instance -->
  <rdf:Description rdf:about="http://www.linkeddatatools.com/plants#magnolia">
    <!-- Magnolia is an individual (instance) of the flowers class -->
    <rdf:type rdf:resource="http://www.linkeddatatools.com/plants#flowers"/>
    <!-- The magnolia is part of the 'Magnoliaceae' family -->
    <plants:family>Magnoliaceae</plants:family>
    <!-- The magnolia is similarly popular to the orchid -->
    <plants:similarlyPopularTo rdf:resource="http://www.linkeddatatools.com/plants#orchid"/>
  </rdf:Description>
</rdf:RDF>
```

# Exercise

For drawing the graph I have used the tool Protégé – <https://protege.stanford.edu/>.

