Structure from Soup

Super goal
"Give the composite parts of an unstructured polygon soup semantic relevance"

"I am going to make soup now"
1. Make an optimised 3D scene
   → Lose the source files
2. 3D Laser scanning; makes plenty of soup
3. Unstructured VRML from the web

Semantic structure
A form or organisation that contains meaning.

**Tools:
OpenSceneGraph,
QT, OpenGL**

Software Task
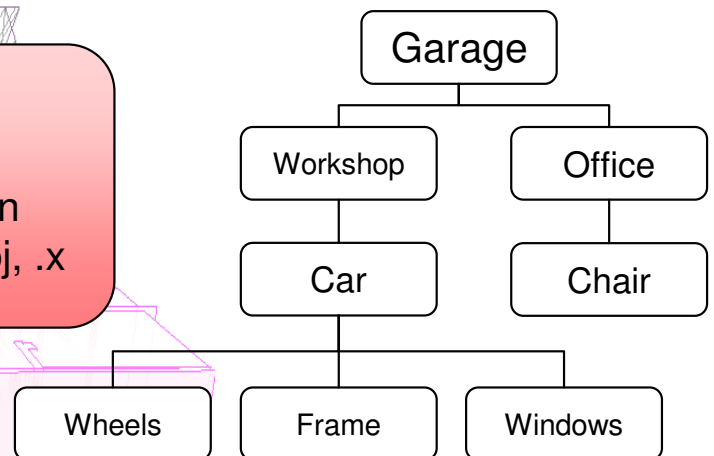Create a software tool that helps users:
- *Add structure* by grouping polygons within the scene data
- *Add semantics* by **organising** and **describing** identified structures

Structured Output
- X3D – Web3d Consortium standard
- Semantic structure and RDF description
- Favourite editor formats: .3ds, .lwo, .obj, .x

**Project ready Easter 2008
Seminar this November!**

**http://www.web3d.org/x3d/
http://www.openscenegraph.org/**

Garage
Workshop
Office
Car
Chair
Wheels
Frame
Windows

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