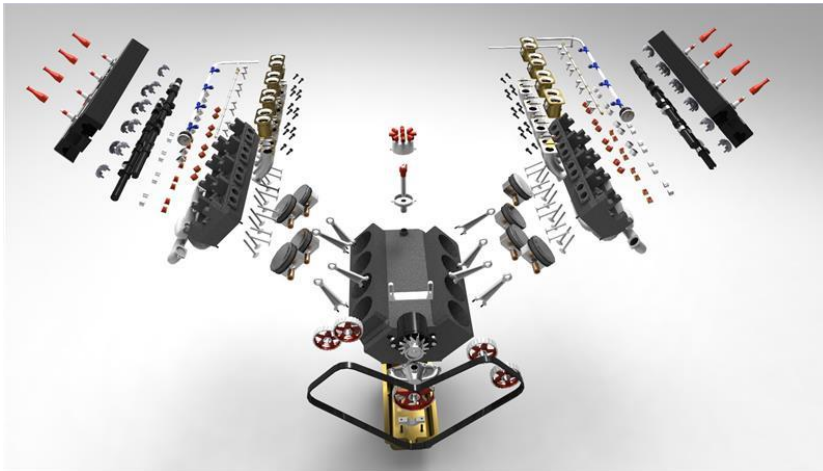


EXPLODE VIEW

- The following task should display your ability to derive a concept from a given information set. There will be a lot of tasks to consider but don't worry, we didn't expect a complete solution. Just focus on the key topic, partial results are OK. Please don't spend more than 4 hours.
- In the end, we expect the creation of a class diagram and a first rough UI proposal. A more detailed task description can be found below.
- Don't be stressed and we wish you good luck!

REQUIREMENTS



- Assume there is already a basic application which can import geometrical data like 'vrml', showing the related scene graph in a tree and rendering these data with a render like OpenGL
- To gain a better understanding of the displayed data, a customer requests an exploded view like the one shown in the picture above.
- The example geometry does not have to be as complicated as shown in the picture above
- Create a UI proposal to set up and steer the explosion view.
- Create a class diagram of the classes involved.
- Only the most important methods have to be noted in the class diagram
- The design should bear in mind that the target language for implementation is C++.
- You are free to use any kind of document types or even example code to illustrate your approach.