

Interactive Scalable Lectures with ASQ

Deliver interactive content for use in heterogeneous educational settings with a large number of students.

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Cesare Pautasso

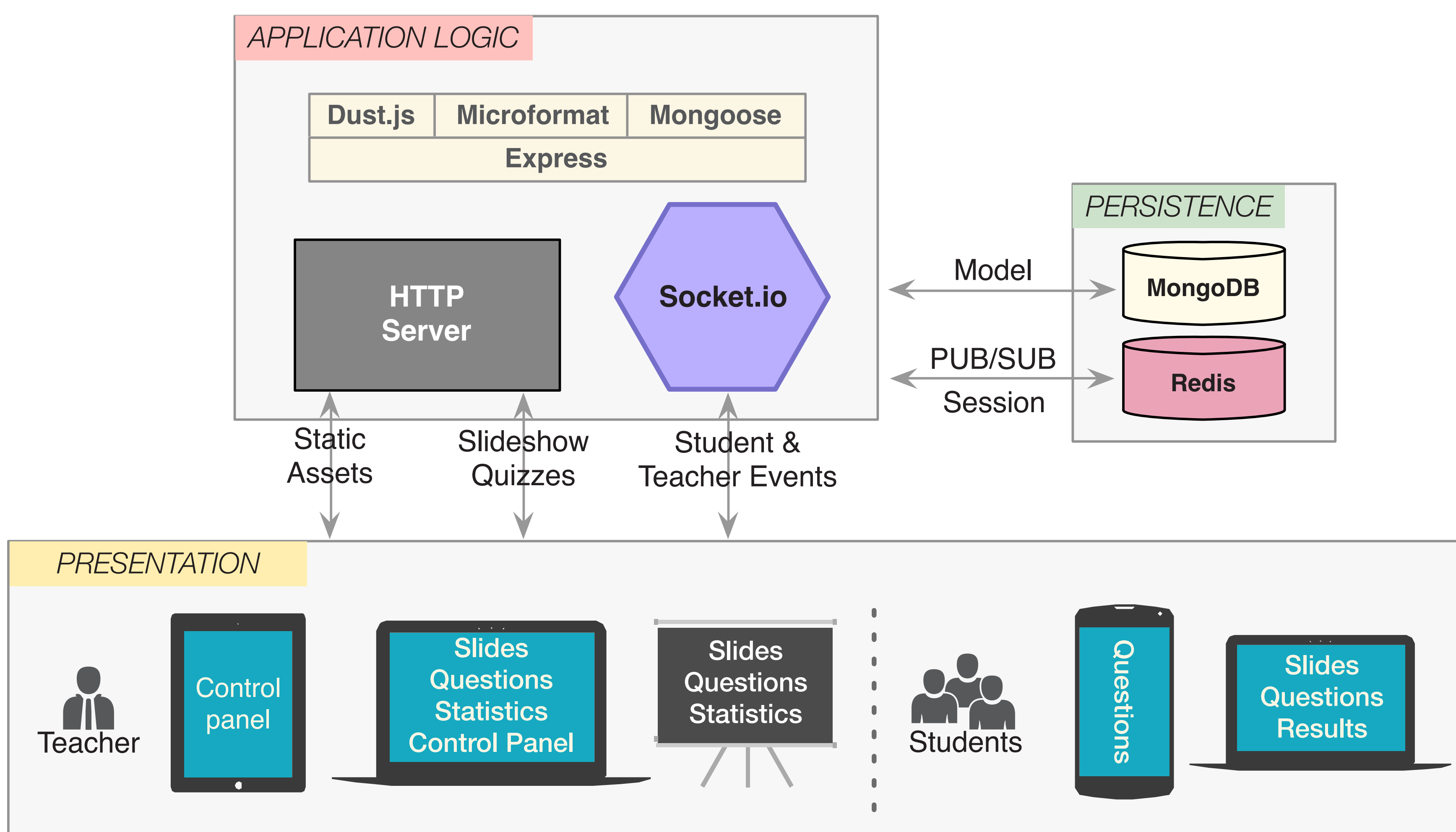
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ASQ

ASQ is an interactive educational content delivery Web platform. It aims to promote the shift from the traditional frontal lecture paradigm (monologue) to interactive bi-directional presentations and discussions (dialogue).

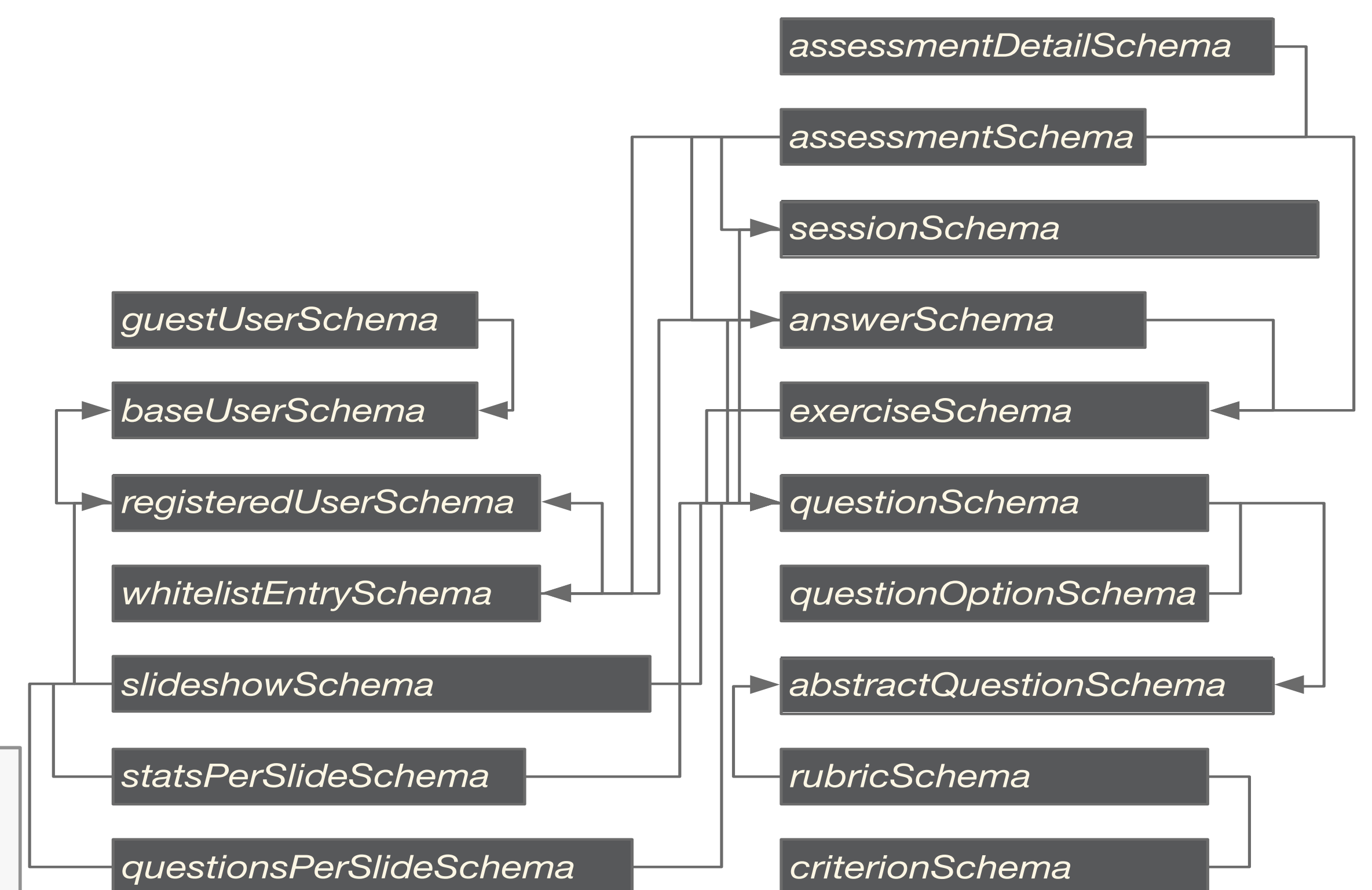
Architecture

ASQ features a three-tier architecture with the asynchronous I/O, server- and client-side template rendering, document based persistence and sockets for low overhead and latency message passing.



Microformat

```
<article class="asq-question multi-choice choose-1" id="mc-1">
  <h3 class="stem">The interface of a software component:</h3>
  <ol class="asq-options">
    <li class="asq-option">describes the internal features of the component</li>
    <li class="asq-option" data-correct="true">clearly separates the surface of the component from its internal implementation</li>
    <li class="asq-option">describes the functionality provided by the component</li>
    <li class="asq-option">references the required interfaces on which the component depends upon</li>
    <li class="asq-option">needs to be kept as simple as possible</li>
  </ol>
</article>
```



The interface of a software component:

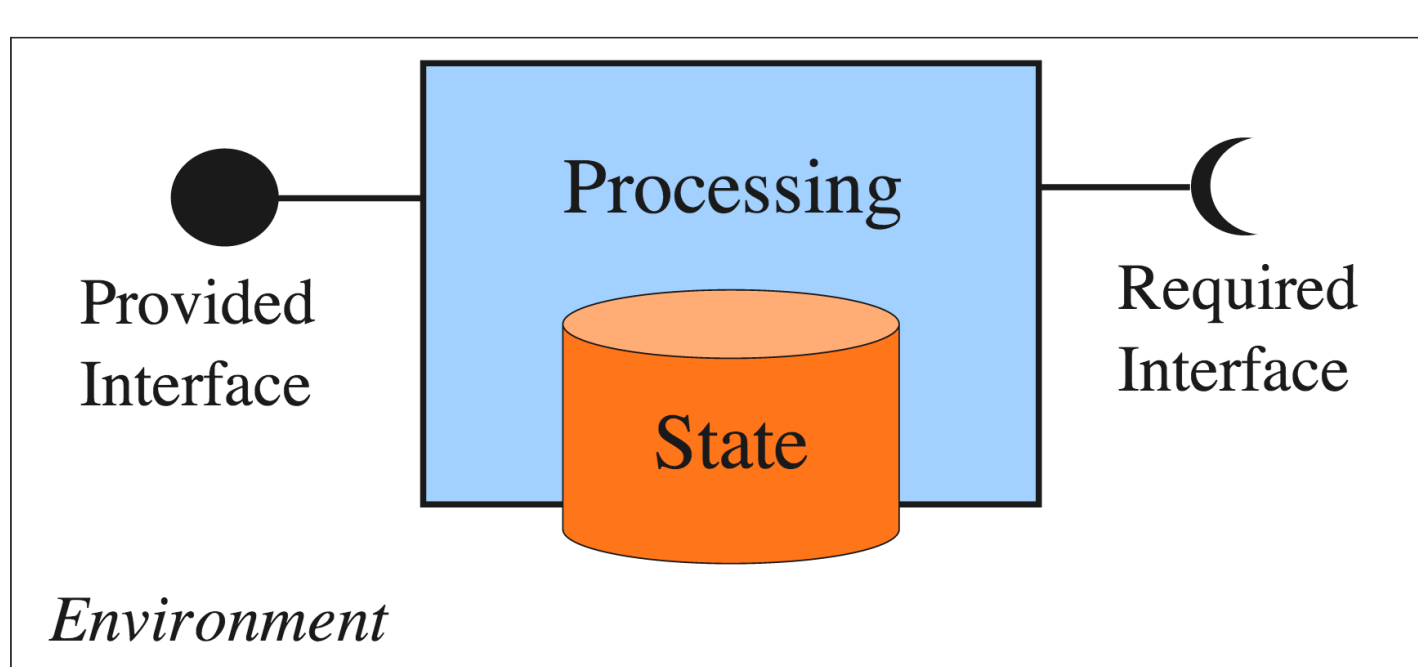
- describes the internal features of the component
- clearly separates the surface of the component from its internal implementation
- describes the functionality provided by the component
- references the required interfaces on which the component depends upon
- needs to be kept as simple as possible

Confidence: ☆☆☆☆☆

Submit

Software Component

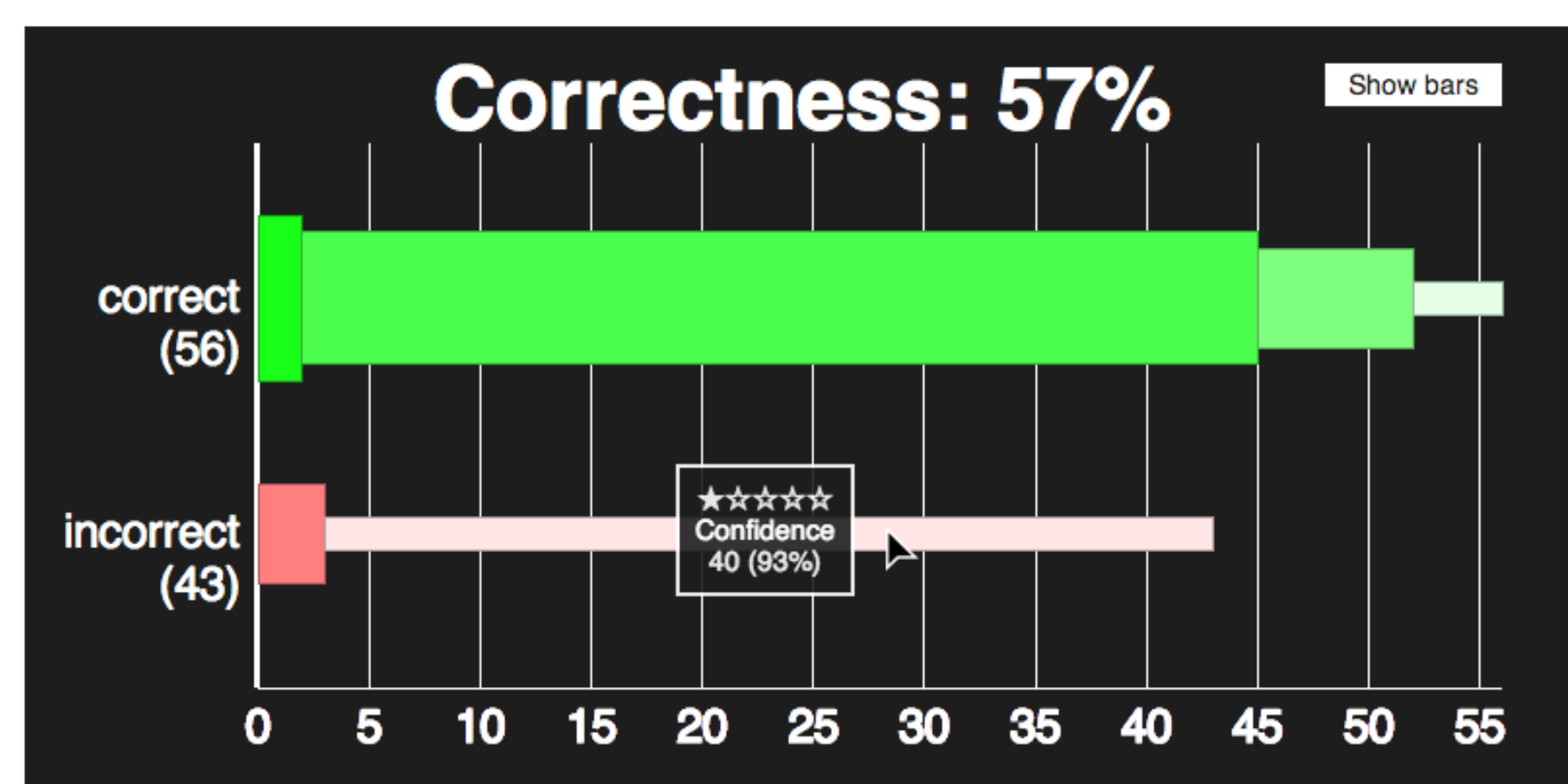
- Locus of computation and state in a system



The interface of a software component:

- describes the internal features of the component
- clearly separates the surface of the component from its internal implementation
- describes the functionality provided by the component
- references the required interfaces on which the component depends upon
- needs to be kept as simple as possible

Answers: 2/2 (100%) Self-assessments: 2/2 (10) Peer-assessment: 1/2 (50%)



Peer Assessment

Peer Assessment interface showing a 'Role of interface' section with a 3/5 rating and an 'Interface and internal implementation' section with a 10/15 rating. It includes checkboxes for 'properly', 'partially', and 'not understood' for different aspects of the interface.