

Automated Testing Engine Approach

———— CUAHSI Inc. ————

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1 Test Suite

1.1 Abstraction Layers

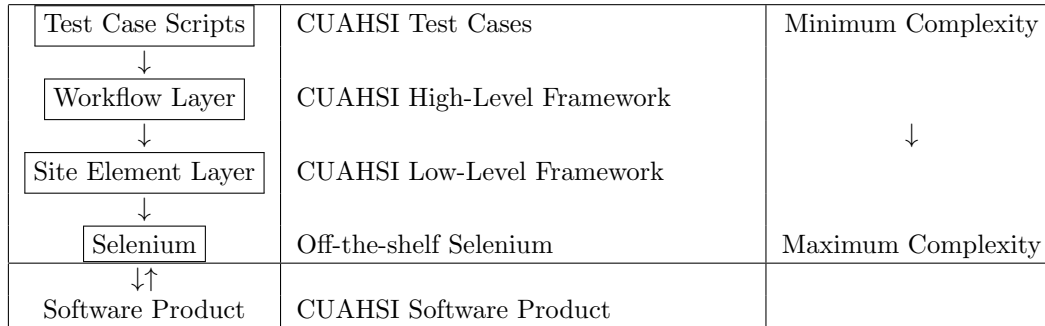


Figure 1: Test Suite Framework

Important Notes:

- Whenever possible, complexity should be pushed down the layers (closer to the Selenium layer)
- The test cases themselves (top level) should in particular be very low complexity. Ideally, business users should be able to easily understand and perhaps even write these scripts
- Each level should only interact with one level below it (eg. the Workflow layer should not have Selenium commands)

1.2 Layers Implementation

For the HydroClient system, the CUAHSI Test Suite Framework approach is implemented using the following layers (with module names noted). While this is specific to HydroClient, other CUAHSI systems follow the same general approach.

