

### Documentation

Explain current processing and required processing in enough detail that someone who is not familiar with the functionality can understand it.

Explicitly document the disadvantages of a design. Highlight where requirements are unclear, incomplete or are not met.

Provide a visual for the solution design, including where any mappings/transformations take place and where error handling takes place.

### Solution Design

Keep the solution simple.

Distinguish your entities and define the relationship.

Include setting differences between production and non-production in the design and make SMO aware as soon as the design is approved.

Avoid functionality duplication. Avoid data duplication.

Where possible use Genius functionality over AGCS bespoke development.

Look for existing design patterns that can be replicated. Look for existing functionality that can be reused.

Make sure the solution is easy to maintain and enhance.

Develop with the future in mind, make sure the development can be scaled for extended use in the future and is maintainable.

Make sure the solution blends with existing design.

Look for potential issues with performance when designing.

Keep the solution intuitive.

Make sure the solution works with existing components.

### Solution Design (cont)

Look for the natural place for a solution to sit.

