

## Implementing the Design

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## Mapping Design to Language

- ▲ If possible consider what language to use
  - expressive
  - efficient
  - natural
- ▲ If necessary use multiple languages
  - Java
  - C++
  - html
  - xml

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## Standards and idioms

- ▲ Programming standards
  - at least be consistent
  - at best use a tool to check format
- ▲ Idioms
  - similar to design patterns
  - the way a design pattern is usually implemented in this language

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## Know your language

- ▲ Links
  - <http://www.research.ibm.com/journal/sj39-1.html>
  - <http://www-3.ibm.com/able/snsjavag.html>

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## Language features

- ▲ Control structures
  - imperative
  - logic
- ▲ Data structures
  - record
  - object

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## Conclusion

- ▲ Implementation is an essential phase but less important than some believe.
- ▲ The implementation phase provides an opportunity to significantly affect certain attributes such as performance.

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