



JTAPI Implementation Overview

✚ FSG Design

✘ Objective Oriented

- ◆ Encapsulation
 - Data (attributes)
 - Methods (constructor/destructor, setter/getter)
- ◆ Hierarchical
- ◆ Programming language neutral

✚ FSG Implementation

✘ C header files

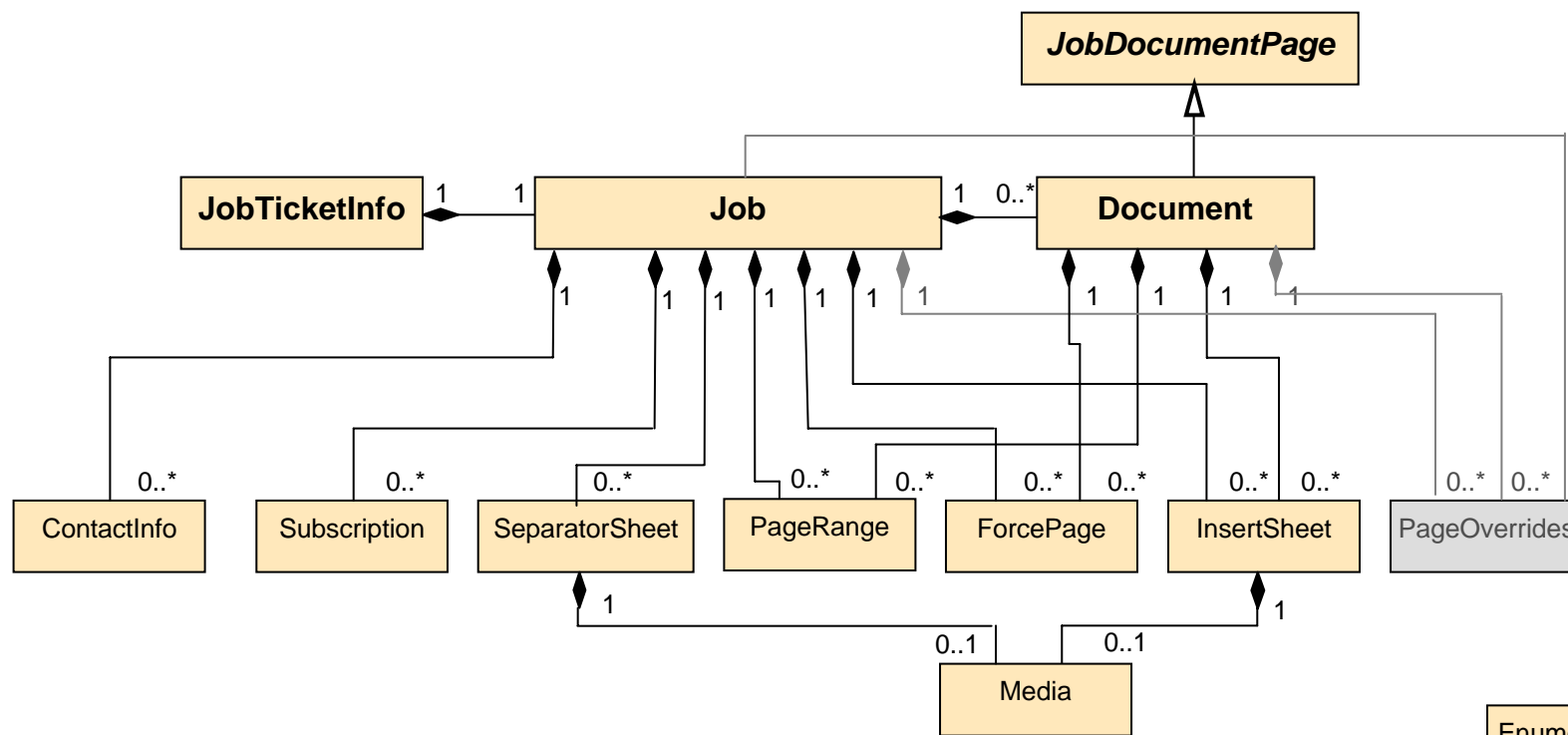
- ◆ OO emulation
 - Each "object" in object model is in one file
 - Functions for each "object" that act as constructors, setters, getters, destructors

✘ Enumerations

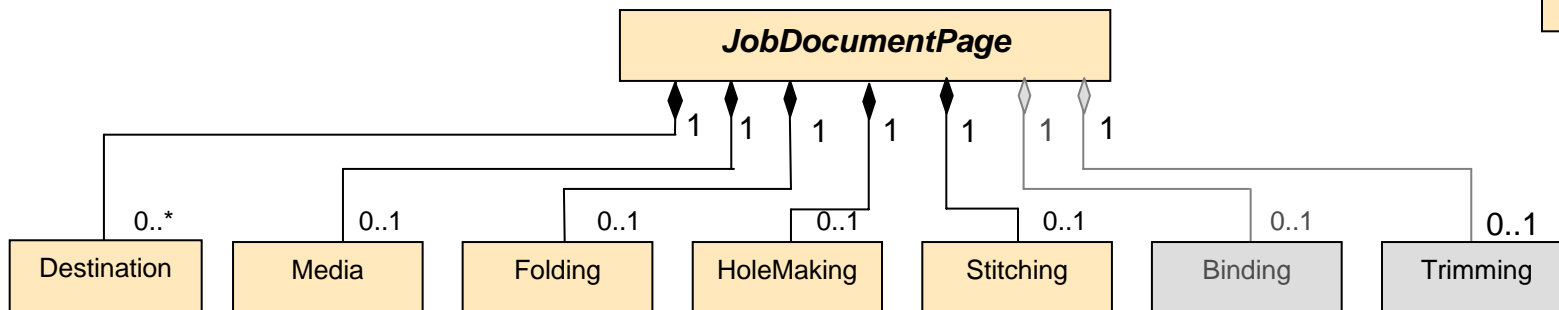
- ◆ Some have fixed set of values (reference edge, sides, stitching type)
- ◆ Some are extensible (media type, input tray name, output bin name)



JTAPI Object Model

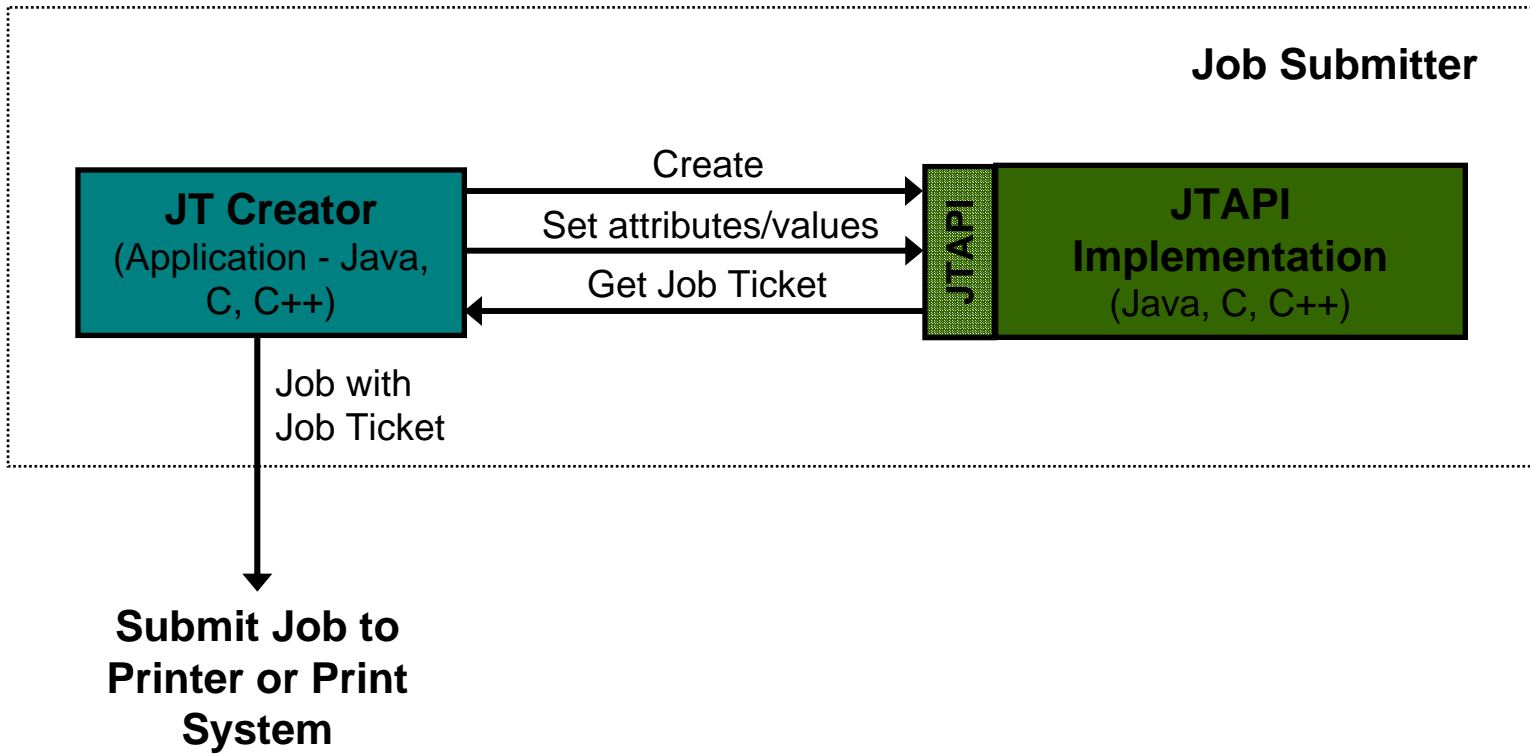


Enumerations for attribute values



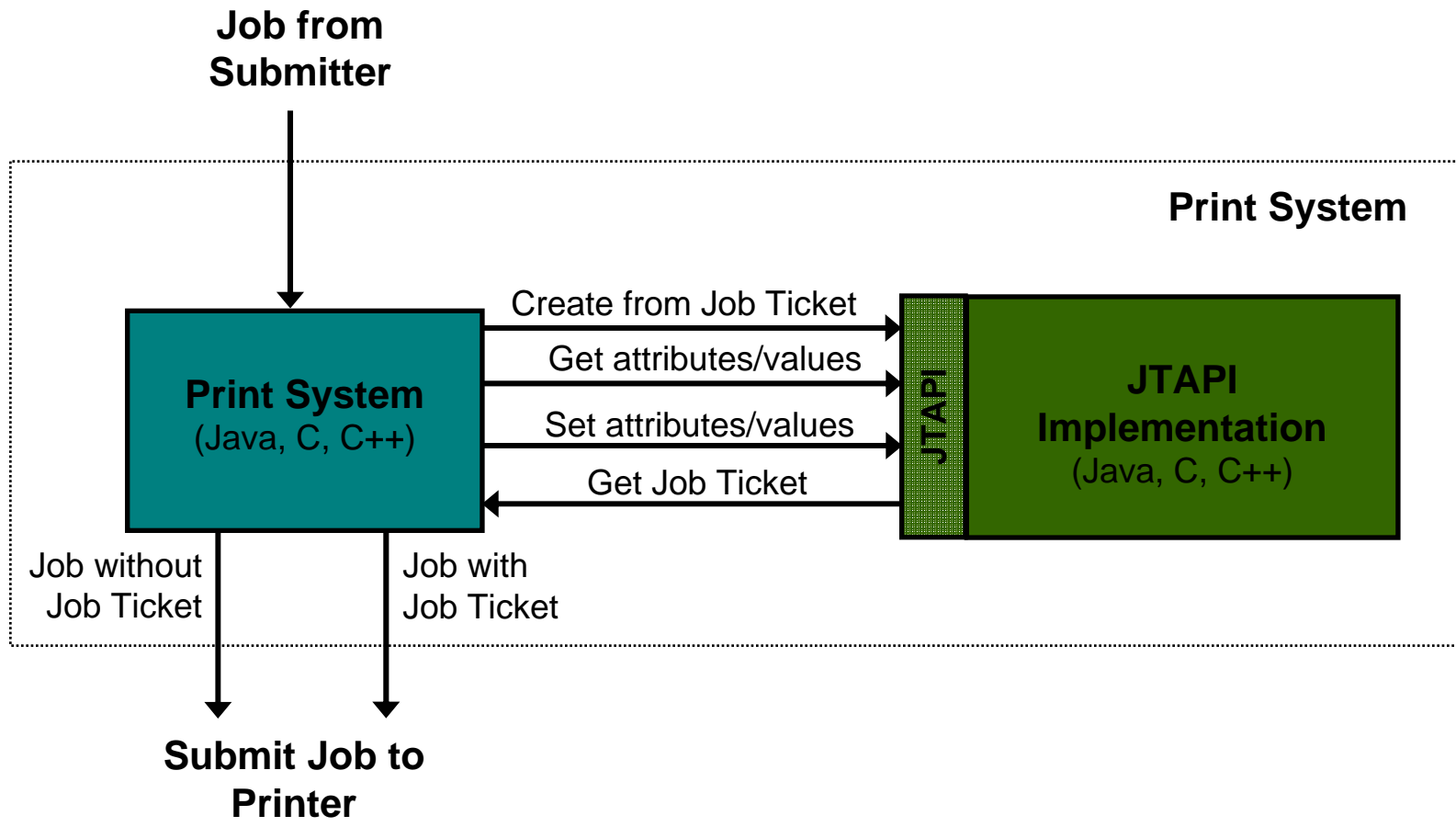


Create Job Ticket



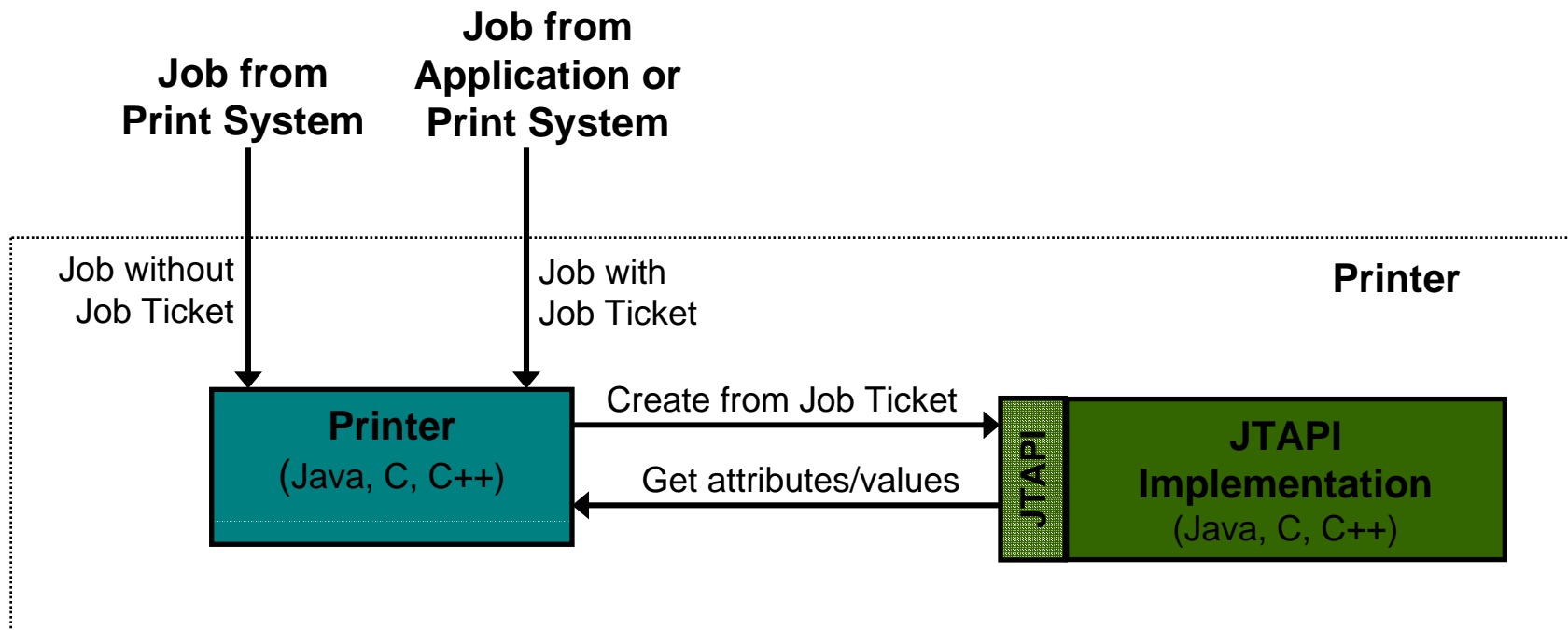


Consume/Modify Job Ticket





Consume Job Ticket





Creating a JT Using the JTAPI

1. **Create JobTicketInfo object**
2. **Set JobTicketInfo attributes/values**
 - ✦ author name , type, comment, etc.
3. **Create Job object**
4. **Associate Job with JobTicketInfo**
 - ✦ set job attribute in JobTicketInfo
5. **Set Job attributes/values**
 - ✦ copy count, image alignment, priority, resolution, sides, etc.
 - ✦ Create subordinate objects (Media, Stitching, HoleMaking, InsertSheets, etc.)
 - ✦ Set subordinate object attributes/values (media color/size, stitching type/count/reference edge, hole making count/edge)
6. **Create Document object**
 - ✦ Optionally provide print file URI
7. **Associate Document with Job**
 - ✦ set document attribute in Job

Note: Multi-document jobs not supported in JTAPI 1.0



Creating a JT Using the JTAPI (cont)

8. Set Document attributes/values

Note: media, finishing, image alignment, etc, to override job attributes not supported in JTAPI 1.0

9. Create PageOverrides object

Note: PageOverrides object not supported in JTAPI 1.0

10. Associate PageOverrides with Document or Job

- ✦ set page-overrides attribute in either Document or Job

Note: Not supported in JTAPI 1.0

11. Set PageOverrides attributes/values

Note: media, finishing, image alignment, etc, to override document or job attributes not supported in JTAPI 1.0

12. Create Job Ticket from JobTicketInfo object



Consuming a JT Using the JTAPI

1. **Create JobTicketInfo object from Job Ticket**
2. **Get JobTicketInfo attributes/values**
 - ✦ author name , type, comment, etc.
3. **Get Job object from JobTicketInfo**
4. **Get Job attribute(s) value(s)**
 - ✦ copy count, image alignment, priority, resolution, sides, etc.
 - ✦ Get subordinate objects (Media, Stitching, HoleMaking, InsertSheets)
 - ✦ Get subordinate objects attributes/values (media color/size, stitching type/count/reference edge, hole making count/edge)
5. **Get Document object from Job**
6. **Get Document attributes/values**
 - ✦ print file URI

Note: media, finishing, image alignment, etc, to override job attributes not supported in JTAPI 1.0
7. **Get PageOverrides object from Document or Job**

Note: PageOverrides object not supported in JTAPI 1.0
8. **Get PageOverrides attributes/values**

Note: media, finishing, image alignment, etc, to override document or job attributes not supported in JTAPI 1.0