

# Use Case to Classes with a non- software implementation (EE5525)

Prof. Peter R Hobson

# CD booklet analysis and design

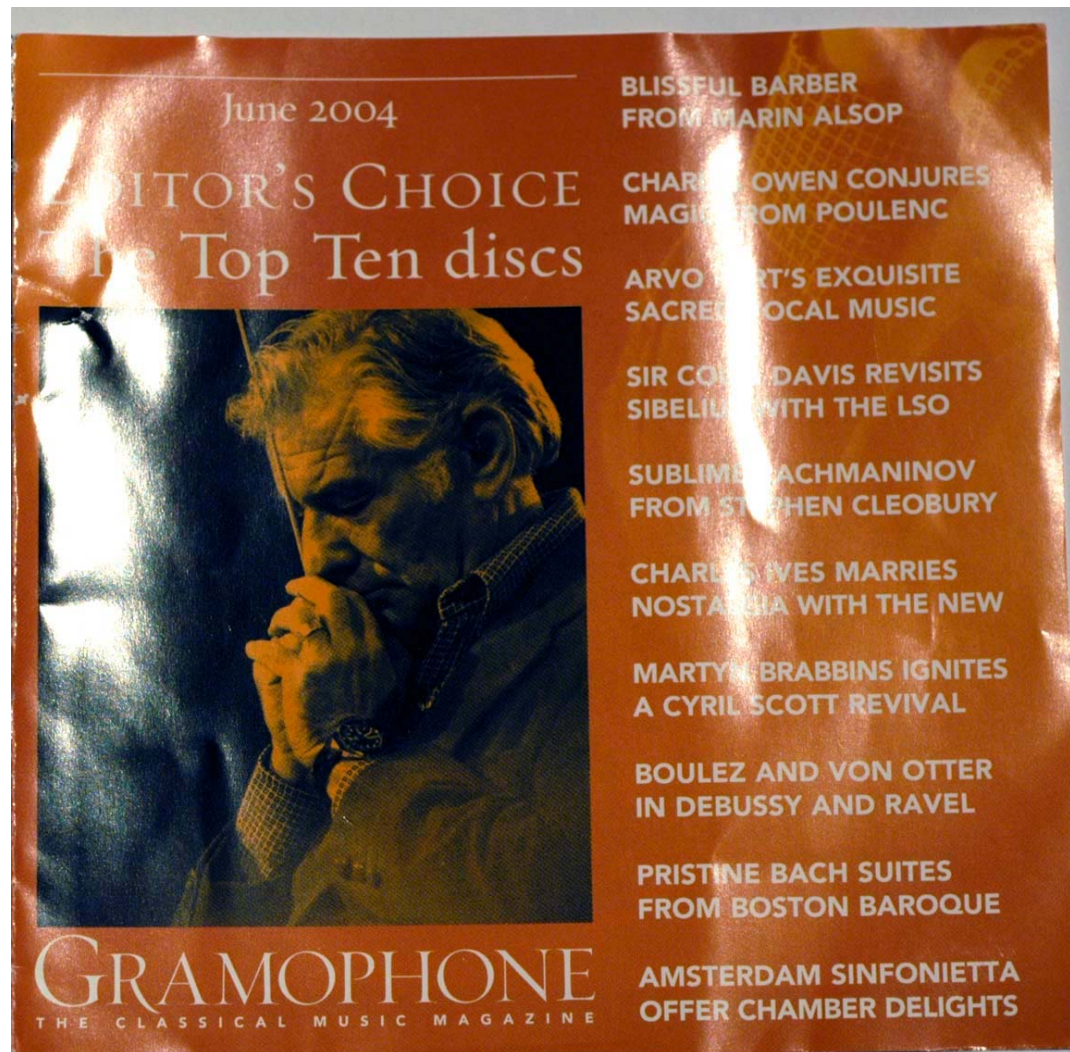
As an example that does *not* have an implementation which is a piece of software I chose the small booklet that is included with the cover CD attached to each month's copy of the classical music review magazine *Gramophone*.

<http://www.gramophone.co.uk/>

# Booklet layout

- Front Cover
  - Contains picture and brief textual items
- Inside Pages (2)
  - Mainly text, occasional small picture, logo etc.
- Rear Cover
  - An advertisement

# Front Cover




March 2008

# Back Cover

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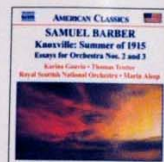
March 2008

# Inside Pages

## EDITOR'S CHOICE • The Top Ten discs of June 2008

### RECORDING OF THE MONTH

- 1 **BARBER**  
Knoxville: Summer of 1915. Essays for orchestra – No 2, Op 17; No 3, Op 47. Toccata Festiva, Op 36  
**Karina Gauvin sop Thomas Trotter org Royal Scottish National Orchestra / Marin Alsop**  
Naxos © 8 559134  
Knoxville: Summer of 1915 (opening) 5'07"



- 2 **POULENC** Piano music  
**Charles Owen pf**  
Somm © SOMMCD035  
Suite Napoli – Caprice italien 5'31"
- 3 **PÄRT** Stabat mater and other works  
**Chamber Domaine; Stephen de Pledge pf**  
**Choir of St Mary's Cathedral, Edinburgh / Matthew Owens org**  
Black Box © BBM1071  
My heart's in the Highlands (excerpt) 4'55"

- 4 **SIBELIUS** Symphonies Nos 3 and 7  
**London Symphony Orchestra / Sir Colin Davis**  
LSO Live © LSO0051  
Symphony No 7 (opening) 5'51"
- 5 **RACHMANINOV** Divine Liturgy of St John the Baptist  
**Chrysostom Deacon Tobias Sims Celebrant Protodeacon Peter Scorer Deacon**  
**Choir of King's College, Cambridge / Stephen Cleobury**  
EMI © 557677-2  
Third Antiphon  
(In your kingdom, remember us, O Lord) 5'15"
- 6 **IVES** Piano Sonata No 2, Concord, Mass., 1840-60. Songs  
**Susan Graham mez**  
**Pierre-Laurent Aimard pf**  
Warner Classics © 2564 60297-2  
Concord Sonata: The Alcotts 6'22"
- 7 **C SCOTT** Symphony No 3, 'The Muses'  
Neptune. Piano Concerto No 2  
**Howard Shelley pf BBC Philharmonic Orchestra / Martyn Brabbins**  
Chandos © CHAN10211  
Neptune – Adagio molto 4'00"

### COLLECTION

- DEBUSSY** Danseuses  
François Villon  
de Couperin. Paris
- 8 **Alison Hagley**  
**Cleveland Orchestra**  
DG © 471 614-2  
Ravel: Shéhérazade
- 9 **BACH** Orchestral  
**Boston Baroque**  
Telarc © CD806  
Suite No 1 in C
- 10 **TCHAIKOVSKY**  
**VERDI** String Quartets  
**Amsterdam Sinfonietta**  
Channel Classics  
Verdi: String Quartets
- COVER STORY**  
We reassess Leonard Bernstein's recordings for DG on the occasion of the 1970s and 1980s.  
VPO Beethoven
- 11 **BEETHOVEN**  
Allegro con brio  
**Vienna Philharmonic**  
**Leonard Bernstein**  
DG © 474 9

Need a recommendation? Find 33,500 CD reviews at [www.classicaldiscguide.com](#)

# Inside Page - Detail

**RECORDING OF THE MONTH**

**1 BARBER**  
Knoxville: Summer of 1915. Essays for orchestra –  
No 2, Op 17; No 3, Op 47. Toccata Festiva, Op 36  
**Karina Gauvin** *sop* **Thomas Trotter** *org* **Royal  
Scottish National Orchestra / Marin Alsop**  
Naxos © 8 559134  
Knoxville: Summer of 1915 (opening) 5'07"

One entry in this format per track on the CD

# Use Case Analysis

- Stakeholders
  - *Gramophone*
  - Editor of *Gramophone*
  - Haymarket Publications Ltd.
  - Music Copywrite holders
  - Performers
  - Record Companies
  - Magazine purchaser



# Actor and Use Case

- Use Cases
  - Find good recordings of classical music I like
  - Discover some classical music new to me
- Actor
  - Magazine purchaser

# Nouns

- Front Cover
- Back Cover
- Inside Pages
- Title
- Artist, Artists
- Track, Tracks
- Total CD Time of Play
- Individual CD Track  
Time of Play
- Logo
- Picture
- Advertisement
- Cost
- Composer
- Piece of Music
- Performer, Performers
- Record Company
- Recording ID Code #

# Candidate Classes (1)

- Cover

**::Booklet**

**::Page**

- Page

**::Cover**

**::Track**

- Picture

**::Advertisement**

**::Picture**

- Track

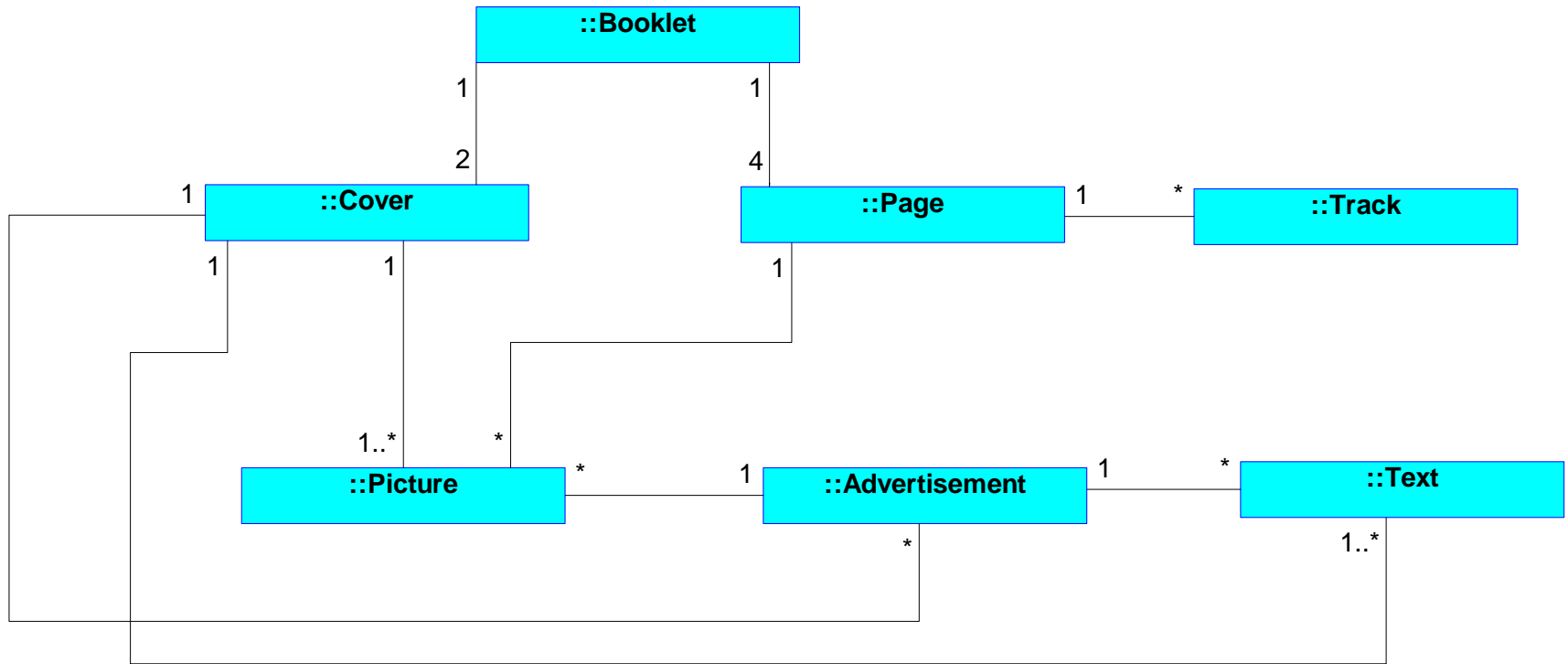
**::Text**

- Advertisement

- Booklet

- Text

# Candidate Classes (1)



# Candidate Classes (2)

- Page
- Picture
- Track
- Booklet
- Text

**::Booklet**

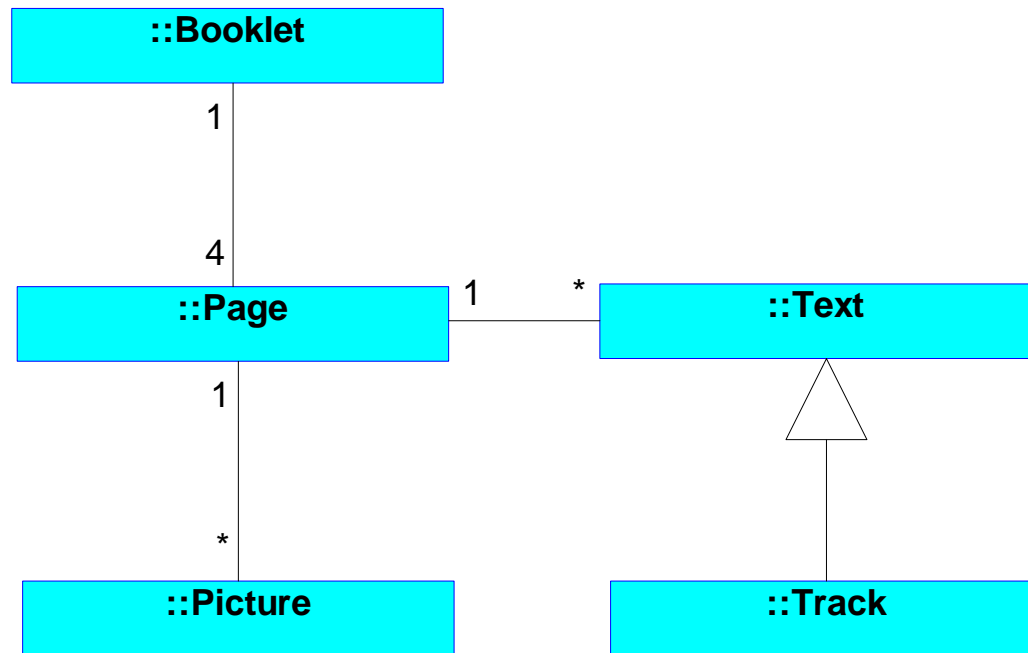
**::Page**

**::Track**

**::Picture**

**::Text**

# Candidate Classes (2)



# Candidate Classes (3)

- Page

**::Booklet**

**::InnerPage**

- Inner Page

**::Track**

**::Cover**

- Cover

**::Text**

**::Page**

- Picture

**::Picture**

- Track

- Booklet

- Text

# Candidate Classes (3)

