

UML ↔ WEBML

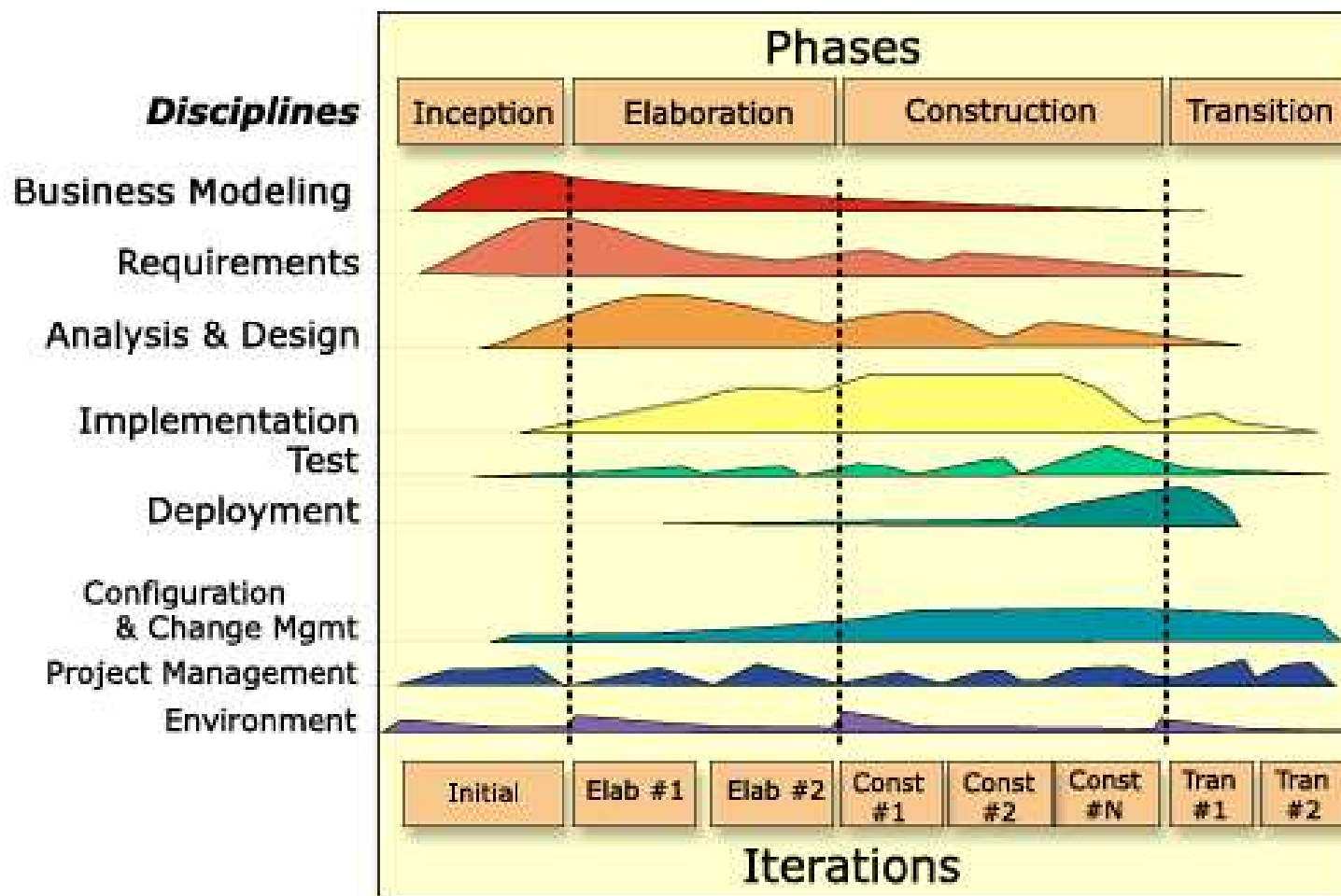
Uttrekk fra:

kap. 3 Hypertext Model

kap. 4 Content Management Model

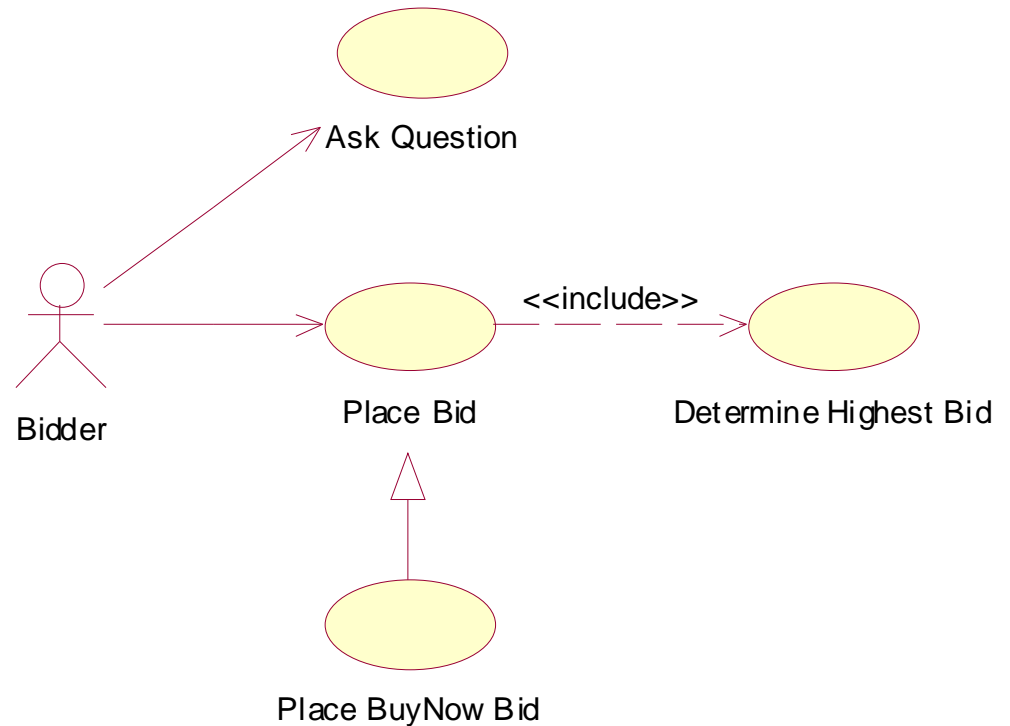
Av og med Jørn Ove Stokka (jove@globesystems.com)

UML prosessen



Krav – Bruker tilfeller

- For å organisere og modellere bruken av systemet
- Beskrive hva systemet gjør.



Analysen

- Analysen er en mer detaljert utarbeidelse av brukertilfeller og funksjonelle krav
- Skal forhåpentligvis også forstås av personer med mindre teknisk bakgrunn
- Ofte problemer med å bestemme abstraksjonsnivået for alle involverte

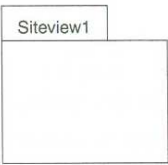
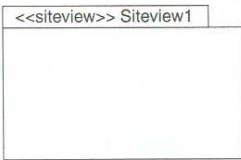

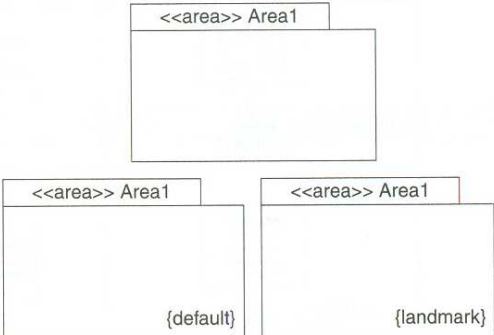
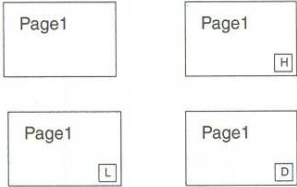
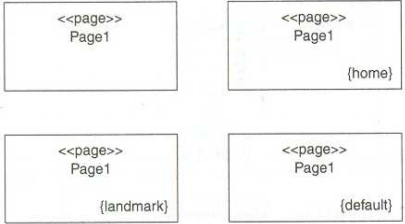
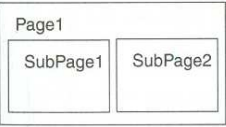
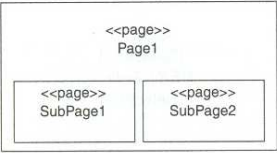
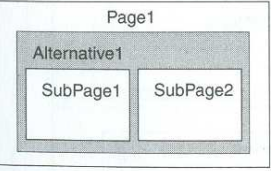
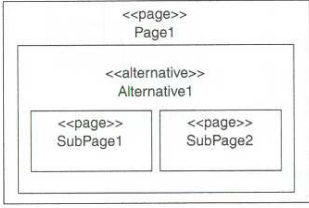
Design

- Design er forfiningen av analyse modellen til det som skal være utgangspunktet for implementasjonen
- Skal beskrive hvordan systemet fungerer
- Bare brukbart for folk som jobber med den tekniske utviklingen av systemet.




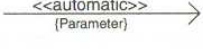
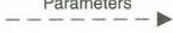

Hvorfor WebML? - Motivasjon

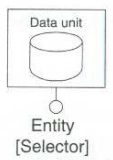
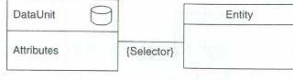
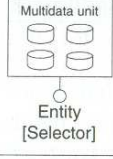
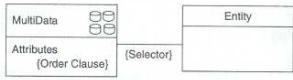
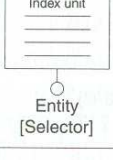
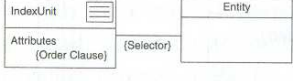
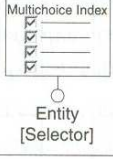
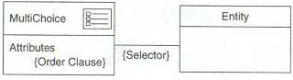
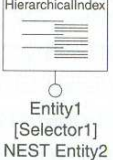
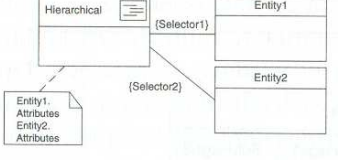
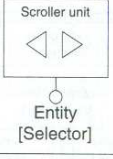


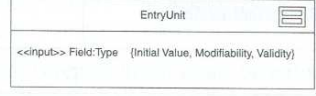
- Når man skal bruke UML til å modellere web-applikasjoner vil man oppleve at endel komponenter ikke helt uten videre glir naturlig inn i standard UML notasjon.
- En web-side kan representere sett med funksjoner og samhandlinger som kun eksisterer på server-siden og helt andre sett som kun eksisterer på klientsiden.
- Modeller som i utgangspunktet skulle være forenklede oppleves som svært komplekse.
- Man trengte en modell som forente funksjonene på server og klient-siden.

- Læreboken har på side 131 listet opp retningslinjer for hvordan WebML hypertext skal oversettes til UML klasse diagrammer.

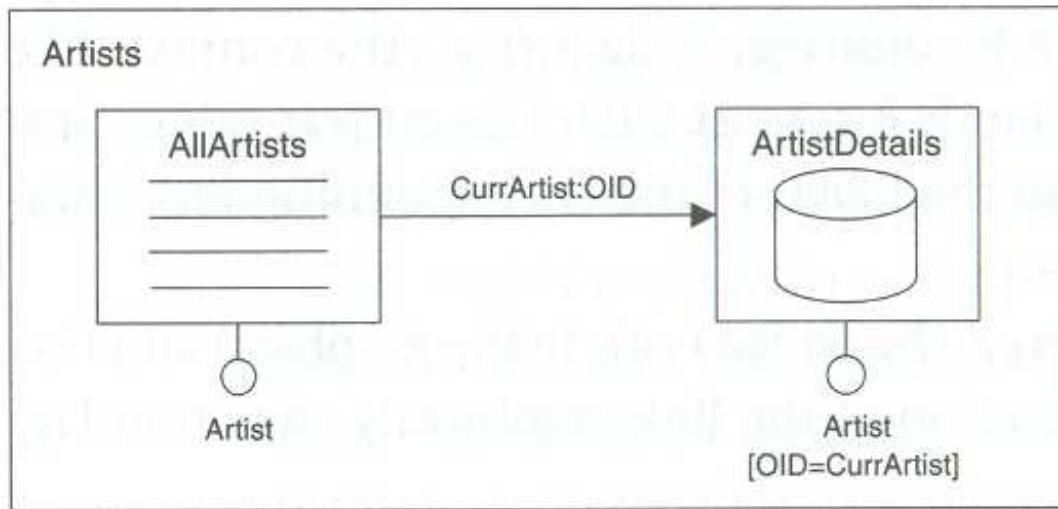
WebML element	UML representation
Siteview 	
Area 	
Page1 	
AND Sub-pages 	
OR Sub-pages 	

- Læreboken side 132/133

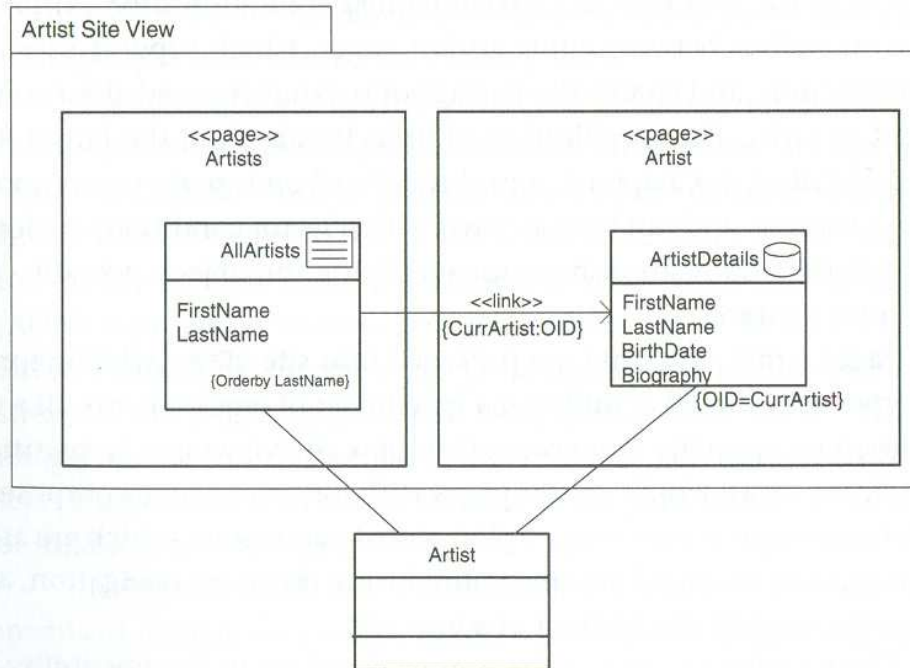
WebML element	UML representation
Link 	
Automatic link 	
Transport link 	

WebML element	UML representation
Data unit 	
Multidata unit 	
Index unit 	
Multi-choice index unit 	
Hierarchical index unit 	
Scroller unit 	
Entry unit 	

Simpelt eksempel

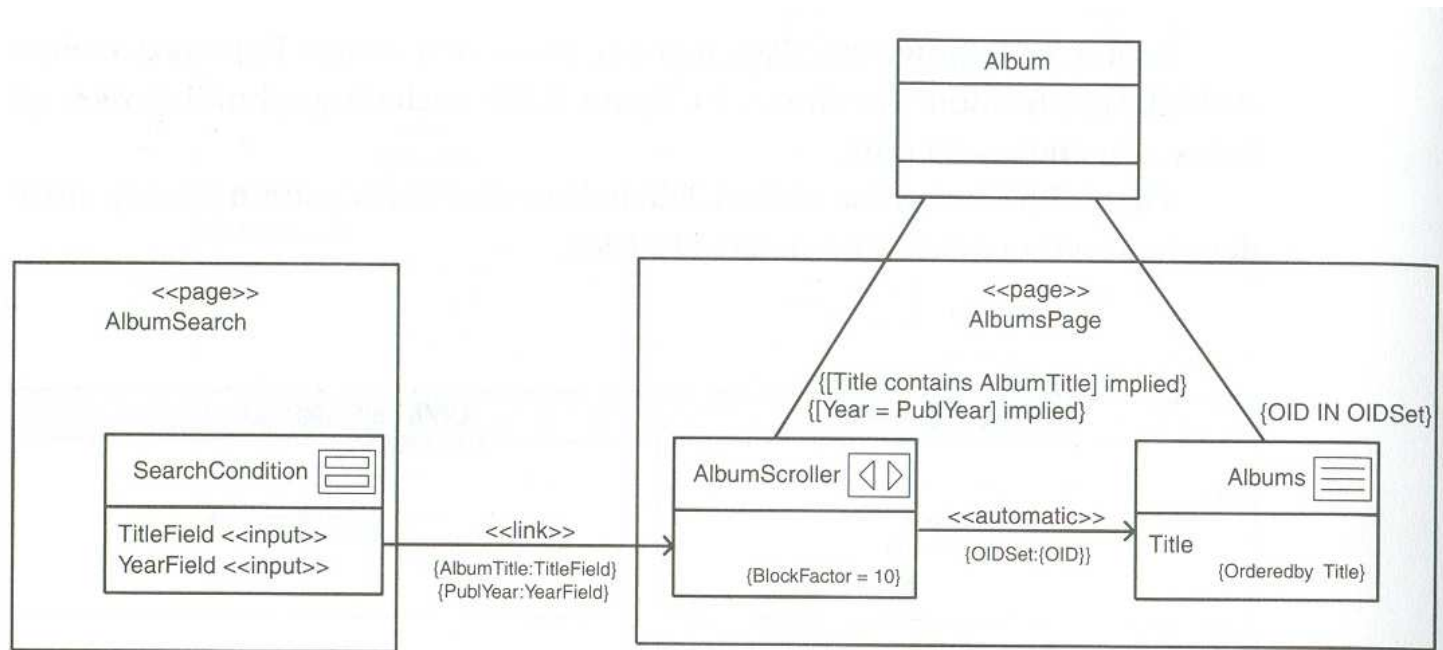
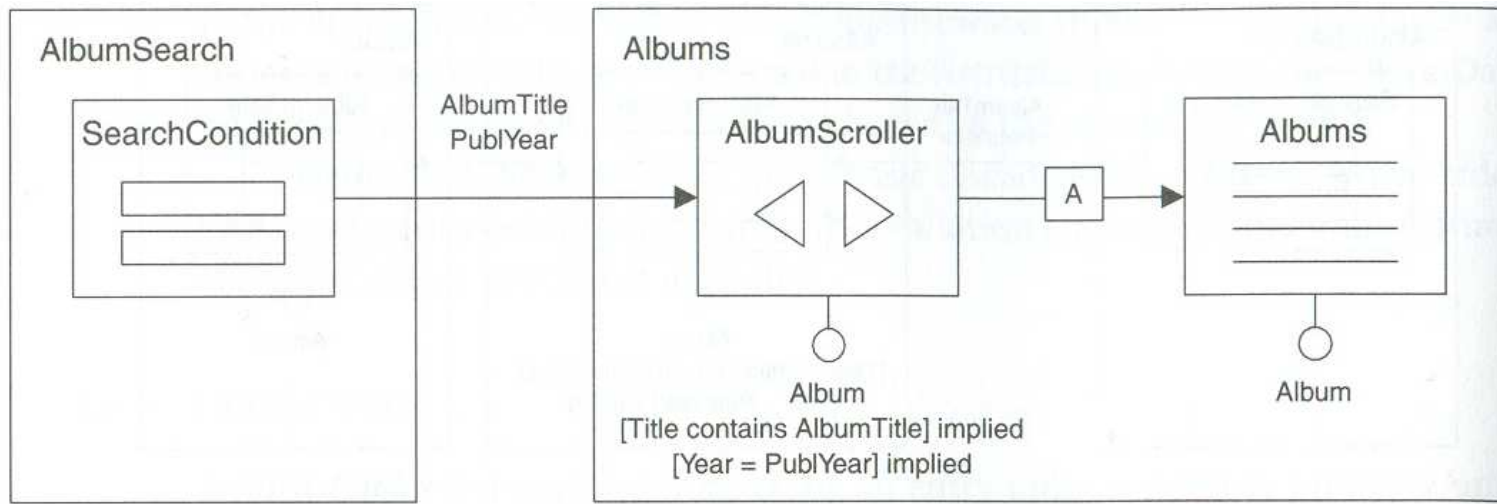


WebML



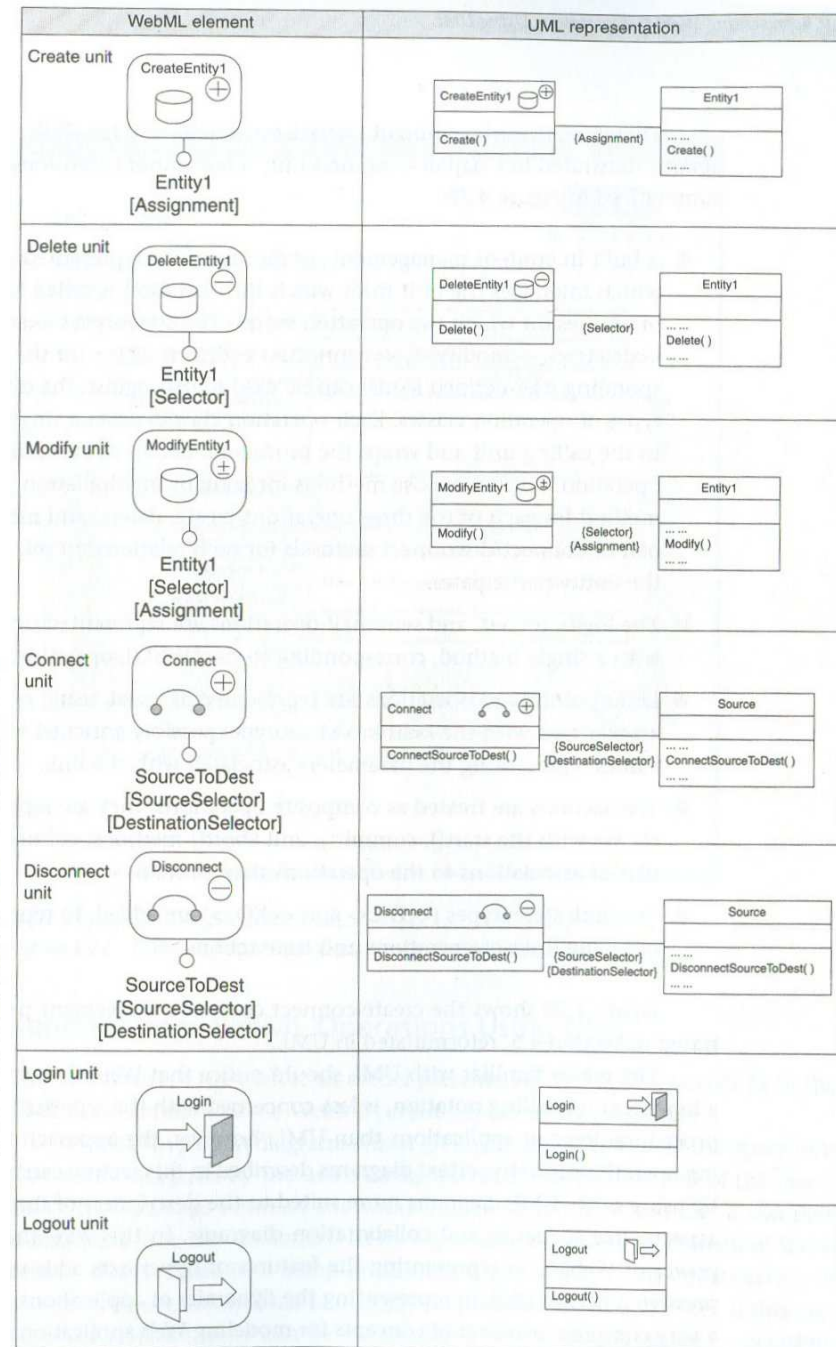
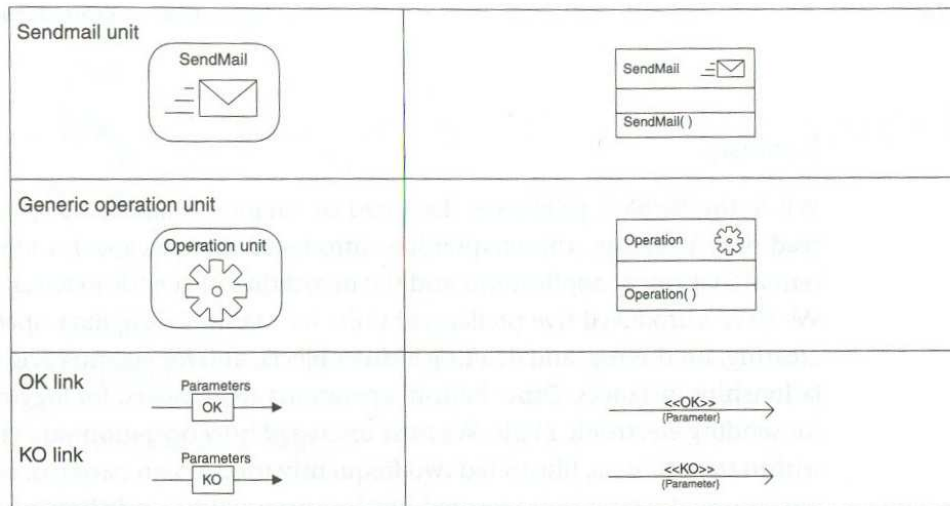
UML

Enda et simpelt eksempel



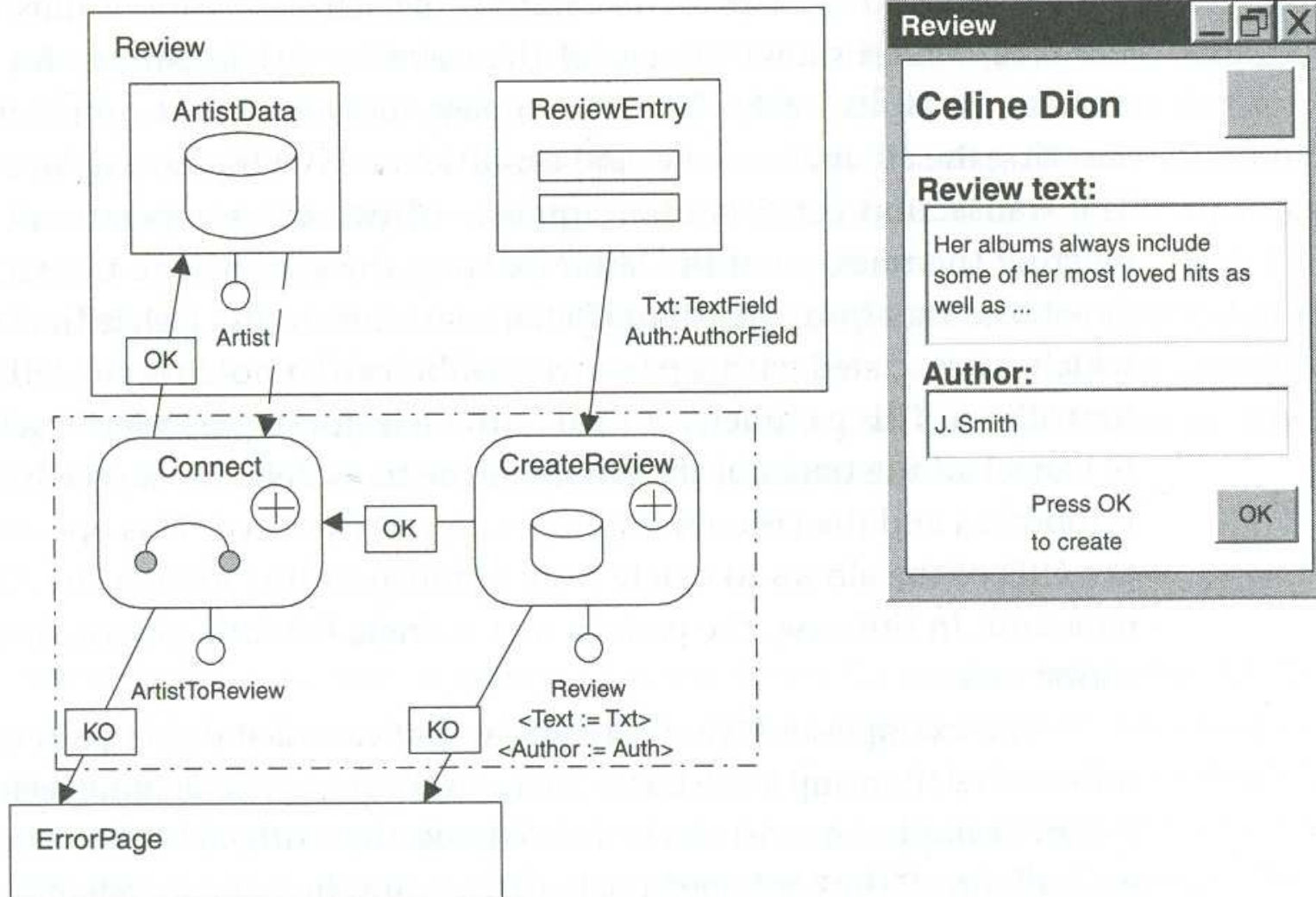
Operasjoner/Funksjoner

- Læreboken har på side 172 listet opp retningslinjer for hvordan WebML operasjoner skal oversettes til UML representasjon.



Eksempel – Legge til en omtale om en artist

WebML



Eksempel – Legge til en omtale om en artist

UML

