

2t - 23.2.2015 – pondelok

- ✓ softvérové inžinierstvo – základné pojmy
- ✓ otázky k domácomu štúdiu
 - procesy a činnosti pri vývoji softvéru
 - analýza a špecifikácia požiadaviek
- ✓ špecifikácia požiadaviek
- ✓ modelovanie softvéru
- ✓ úvod do jazyka UML

- **úlohy:**
 - študovať – Sommerville

SOMMERVILLE



SOFTWARE ENGINEERING



9

Eighth Edition

Software Engineering

A PRACTITIONER'S APPROACH



Roger S.
PRESSMAN

Bruce R.
MAXIM

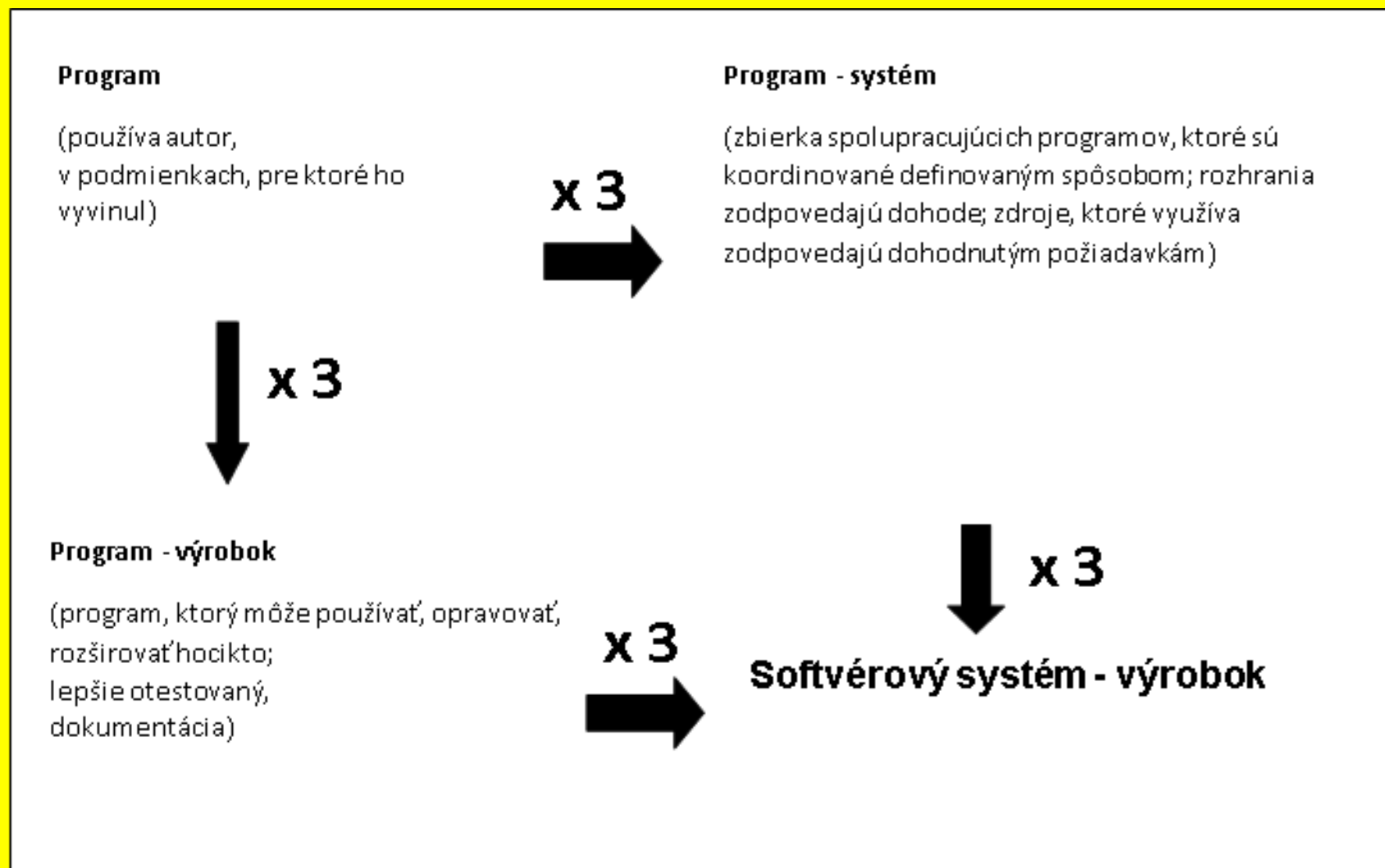
- **ČO je to softvérové inžinierstvo?**
 - Inžinierstvo
 - Softvér, program, softvérový produkt
 - Dobrý softvér

–Kvalita

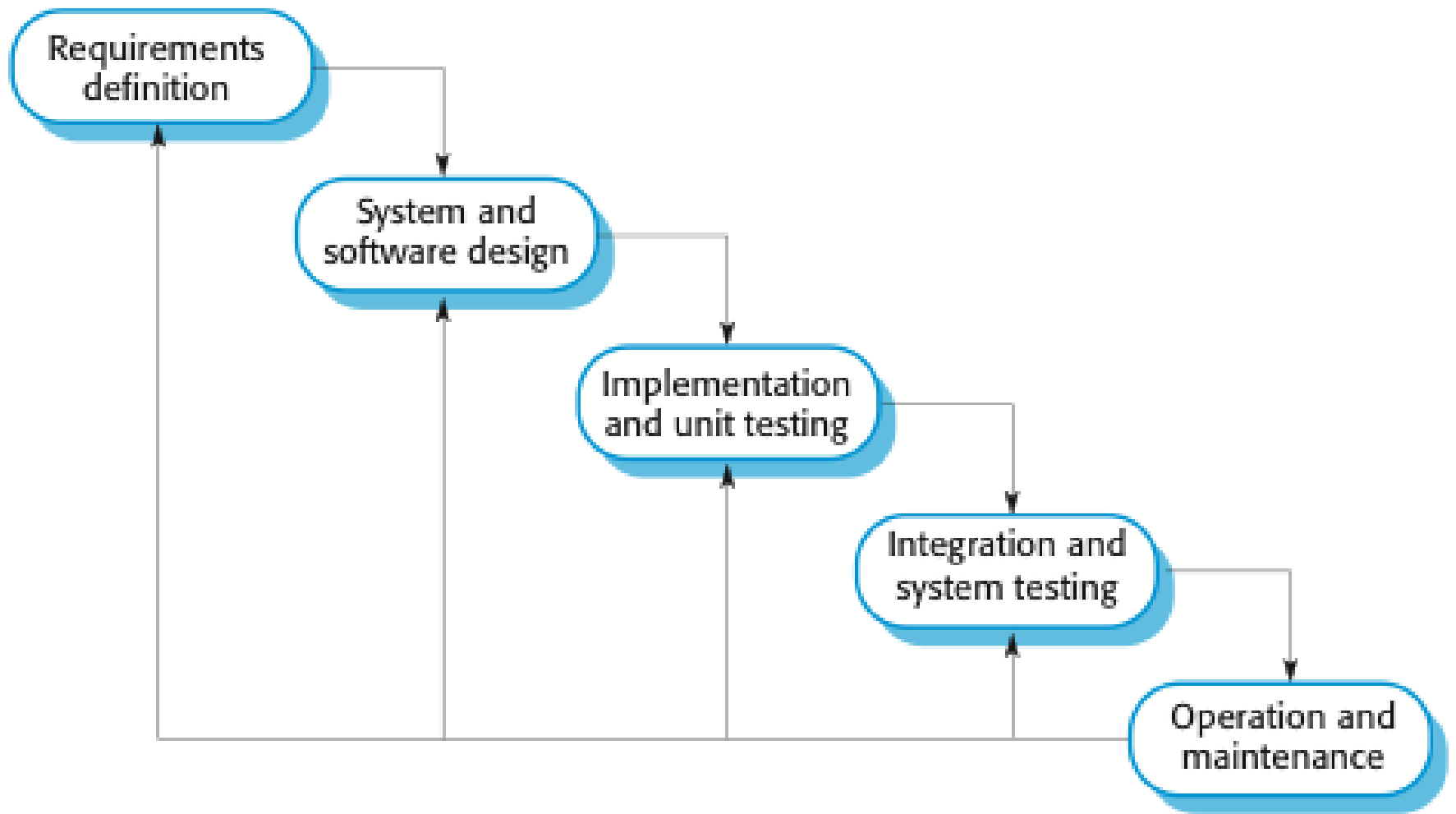
- Metóda
- Technika
- Prostriedok
- Metodológia
- Typy softvérových výrobkov
- Vlastnosti softvéru

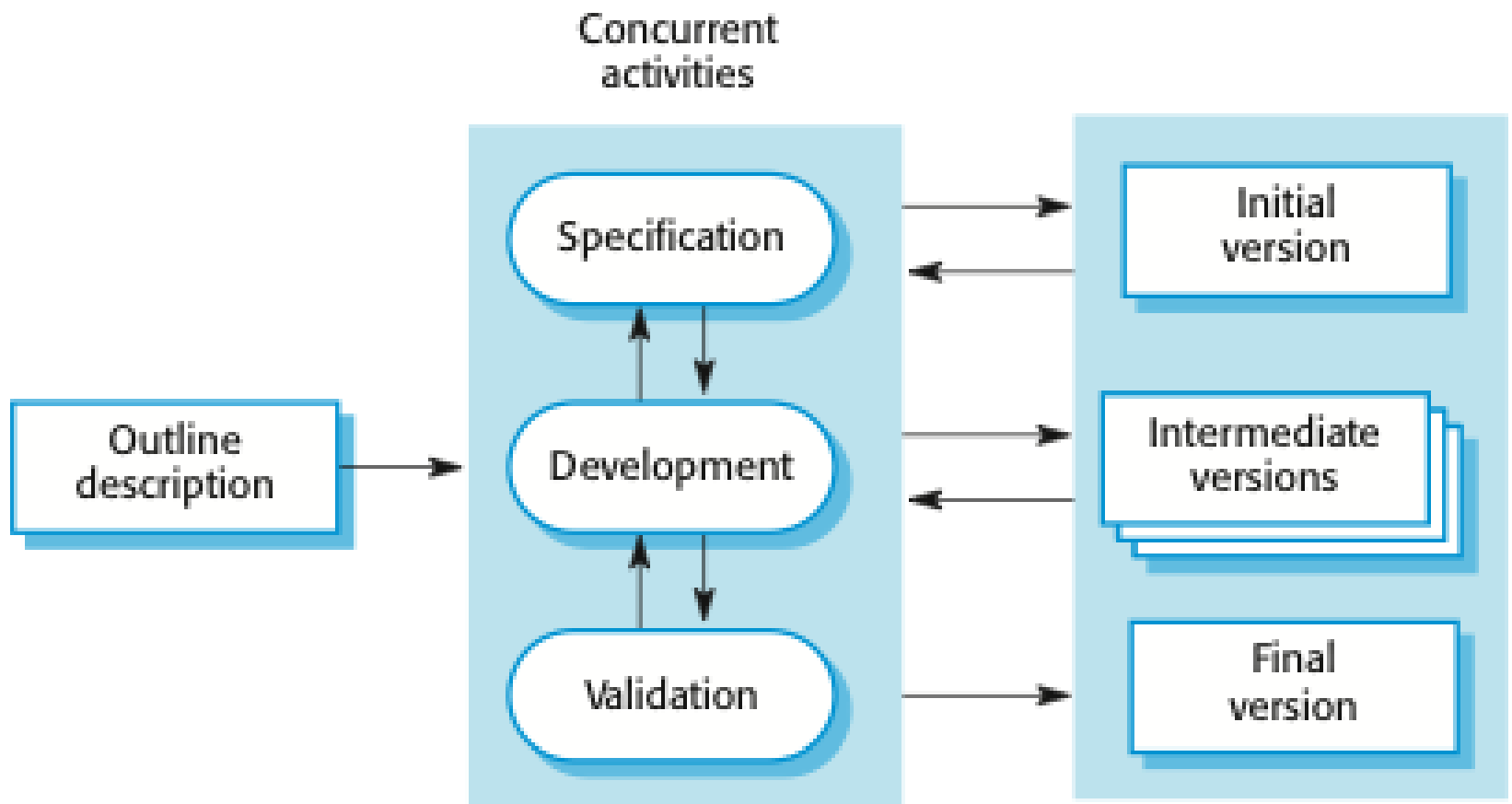
Abstraktný
Špeciálny
Všeobecný
Konkrétny

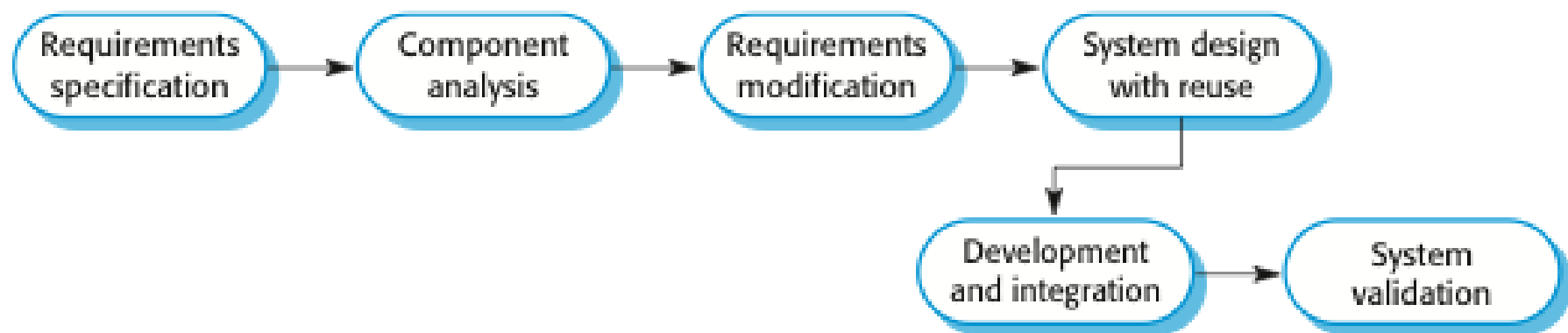
Vzťah medzi programom a softvérom

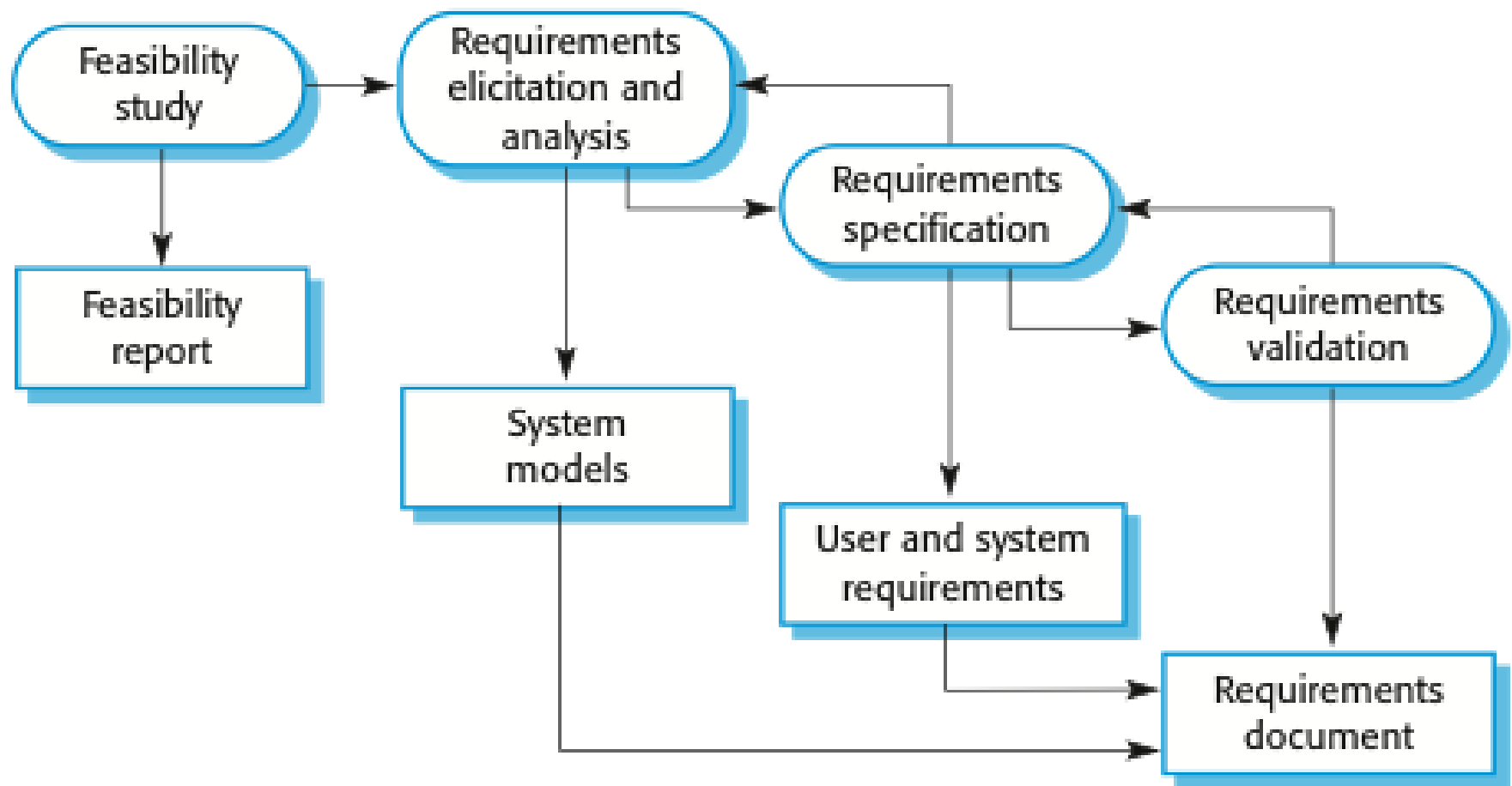


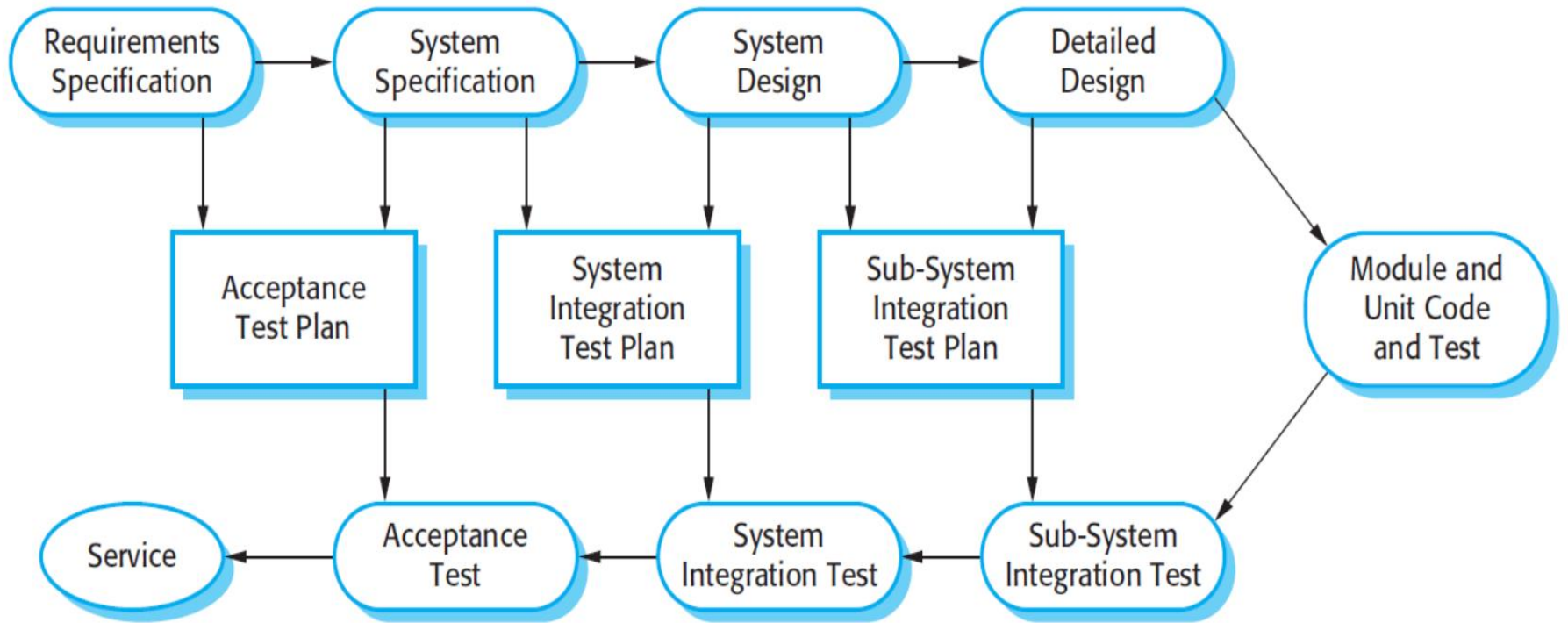
- **Procesy vývoja softvéru**
 - Činnosti pri vývoji softvéru
 - Pravidlo 40-20-40, 60-15-25
 - Čo to je validácia softvéru?
 - Aké zložky obsahuje opis procesu?
- **Modely softvérových procesov**
 - Vodopád
 - Inkrement
 - Znovupoužitie





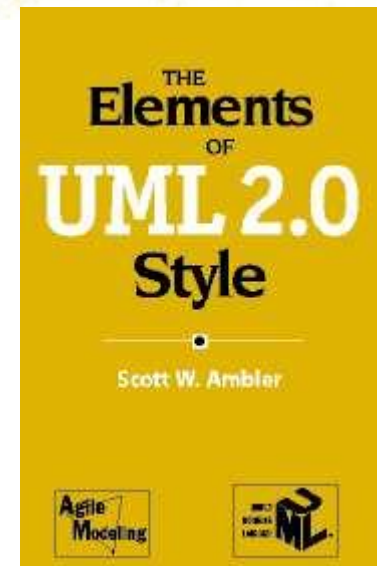
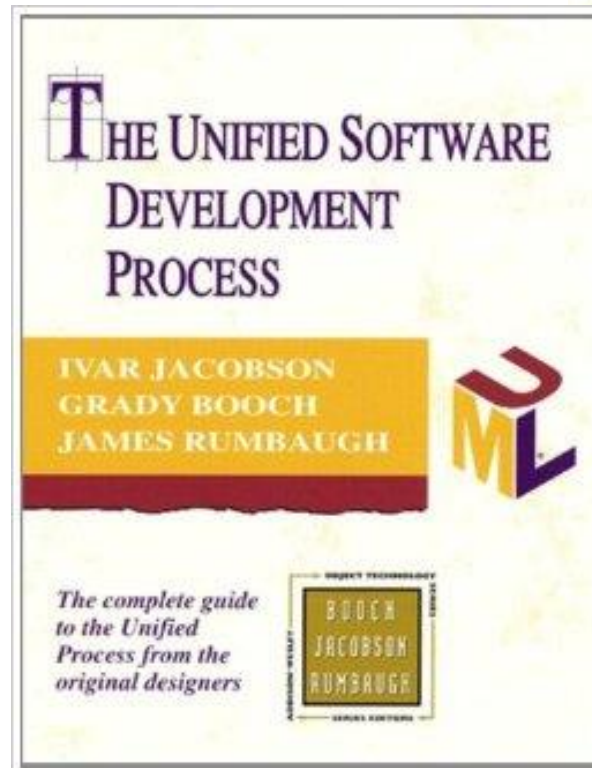
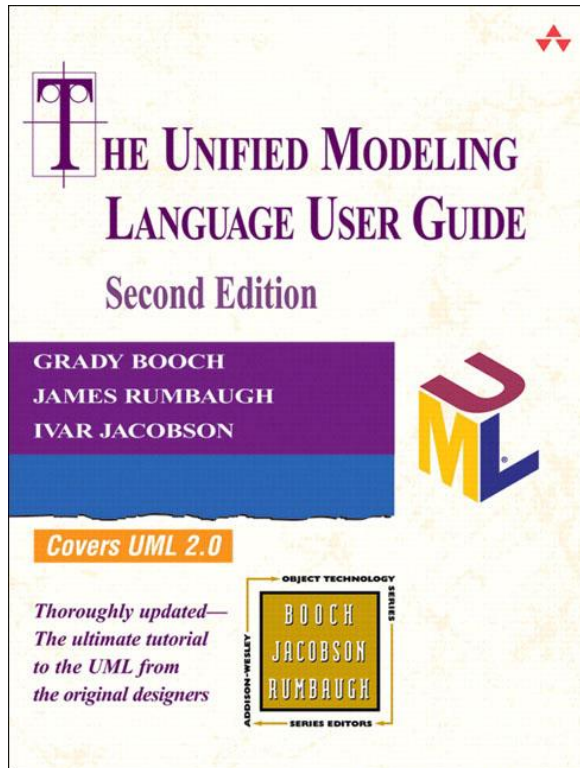
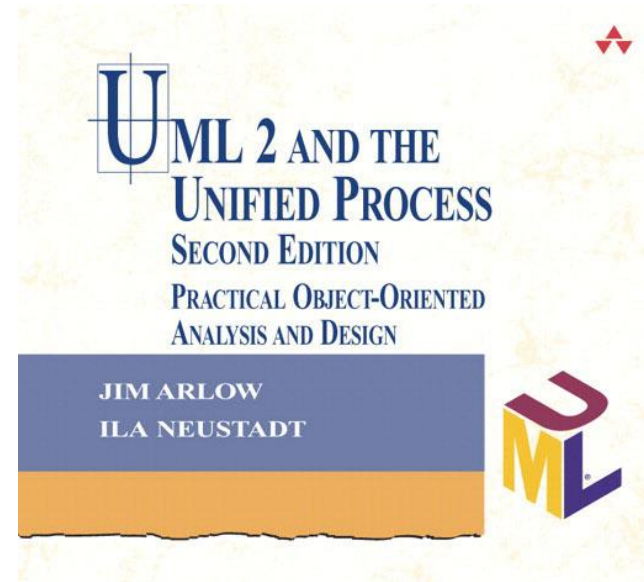


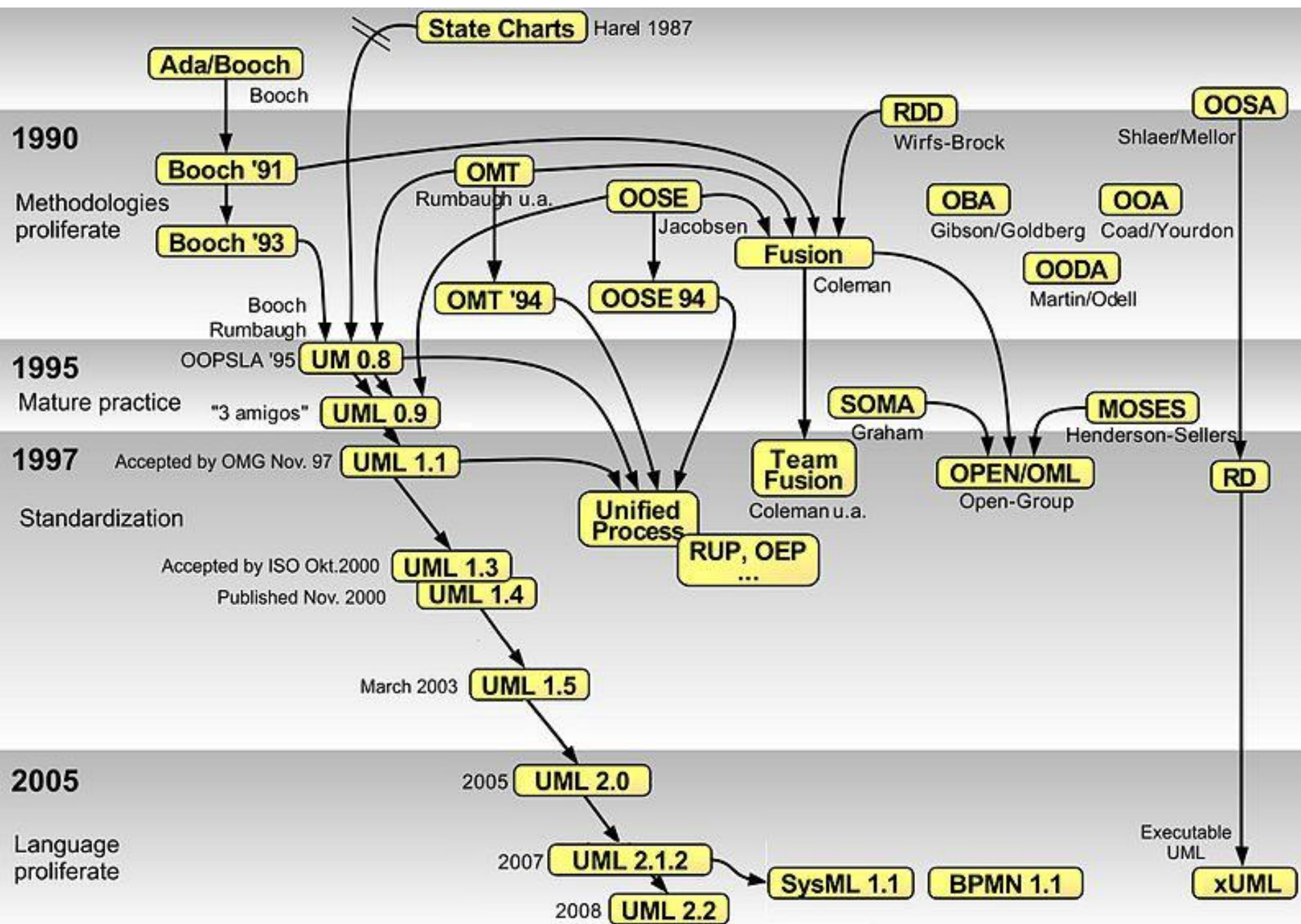




„All models are wrong,
but some are useful”
(George Box, 1919-2013)







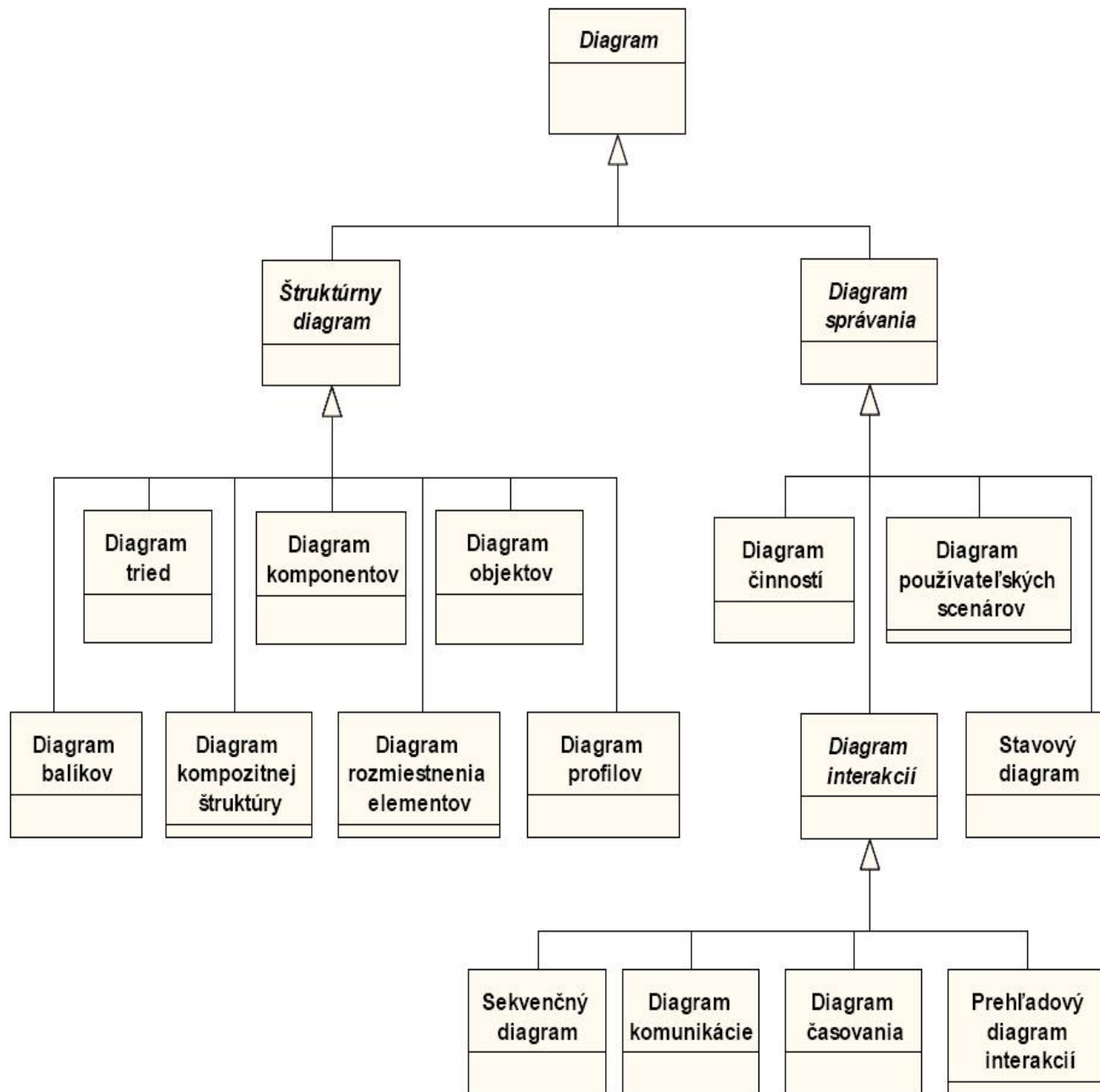







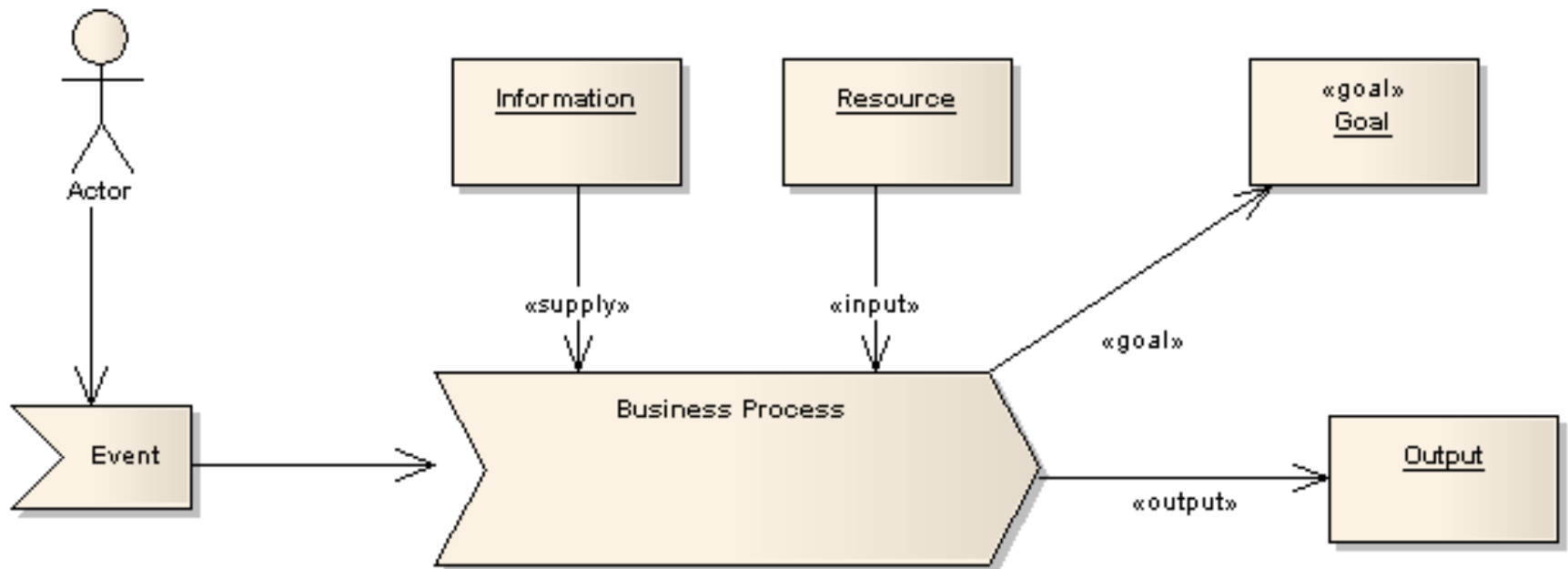
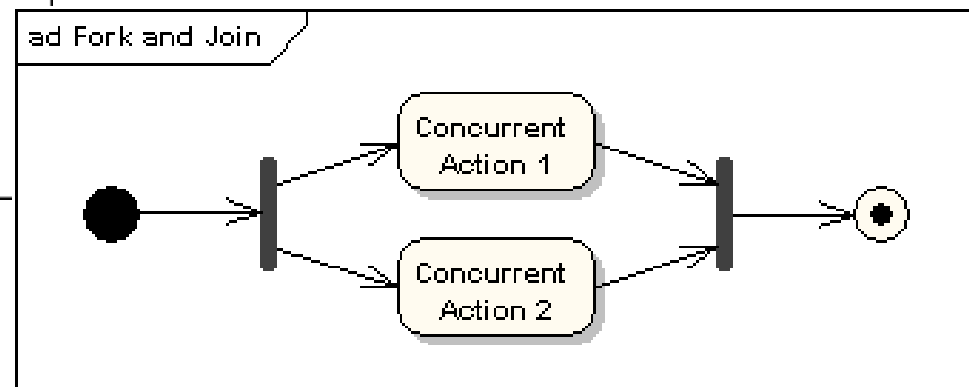
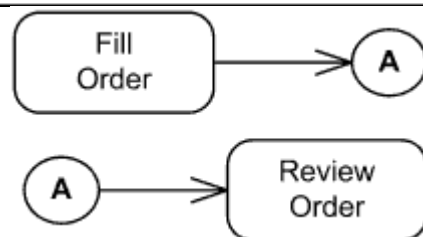
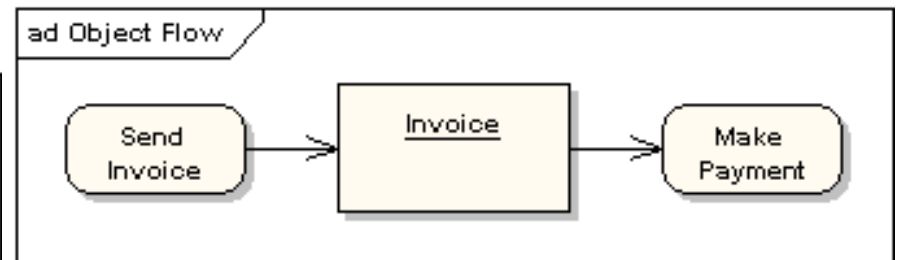
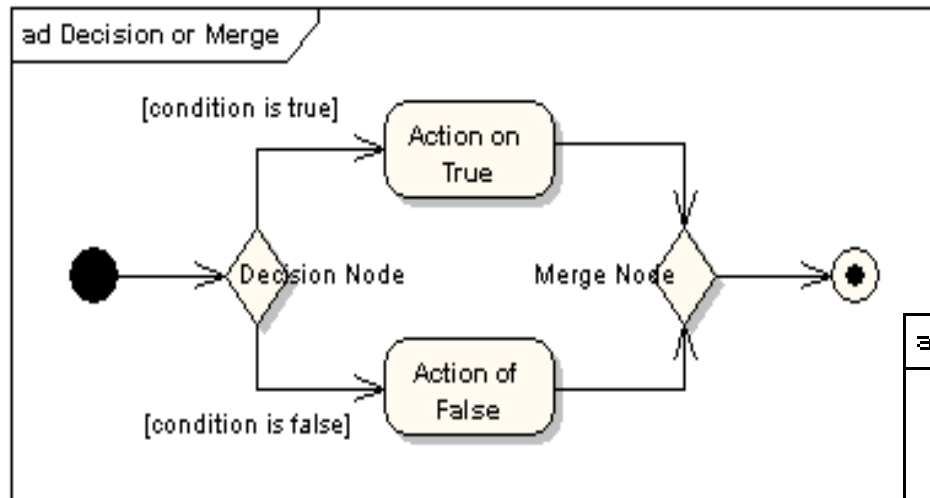
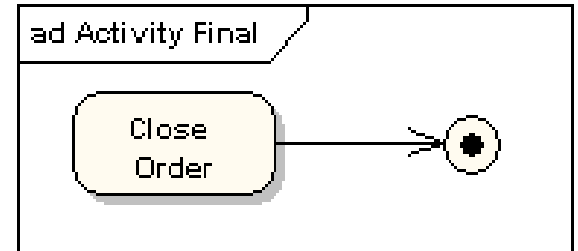
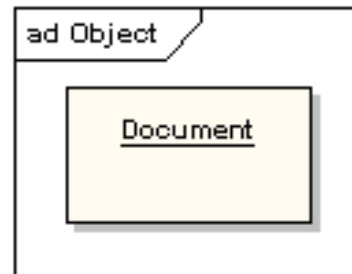
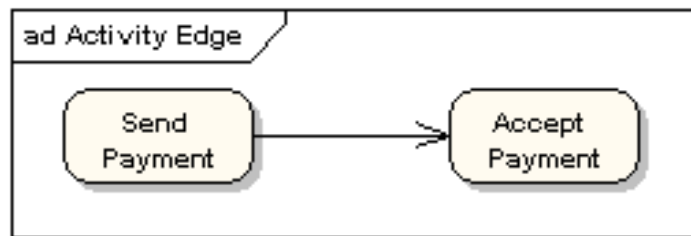
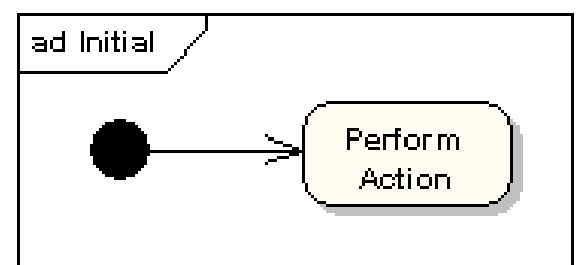
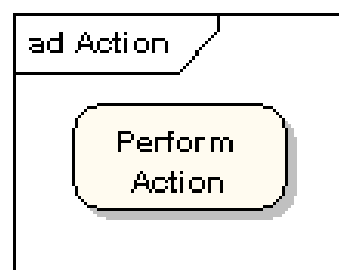
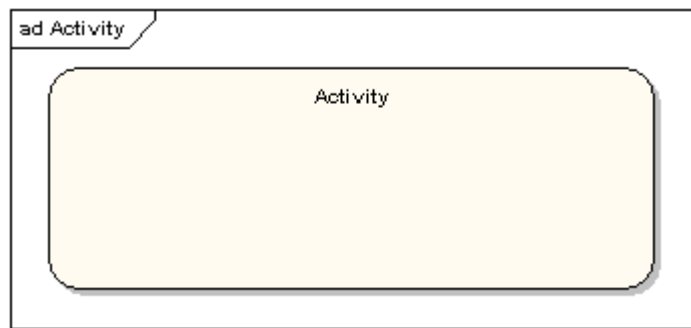


Table 1.1

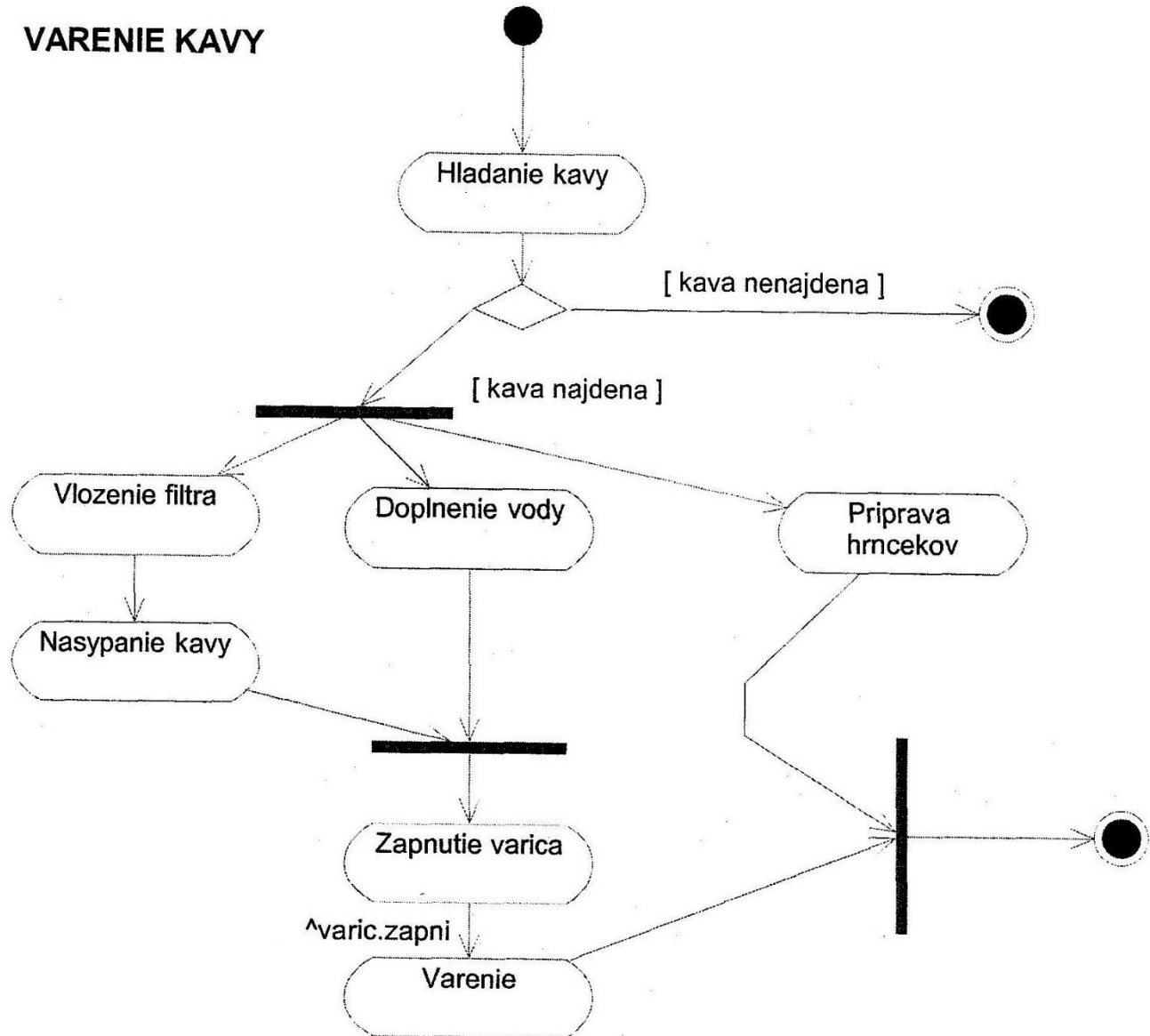
Type of relationship	UML syntax source target	Brief semantics	Section
Dependency		The source element depends on the target element and may be affected by changes to it	9.5
Association		The description of a set of links between objects	9.4
Aggregation		The target element is a part of the source element	18.4
Composition		A strong (more constrained) form of aggregation	18.5
Containment		The source element contains the target element	11.4
Generalization		The source element is a specialization of the more general target element and may be substituted for it	10.2
Realization		The source element guarantees to carry out the contract specified by the target element	12.3

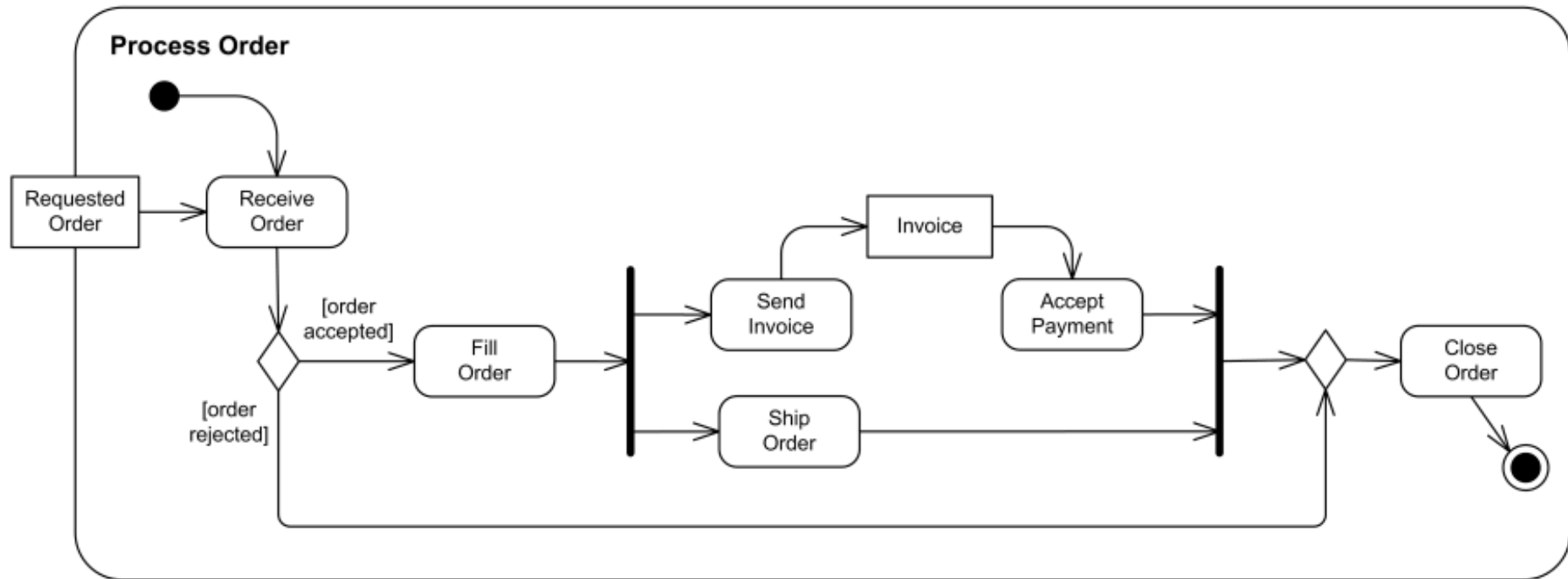
Eriksson-Penker Business Modeling Profile



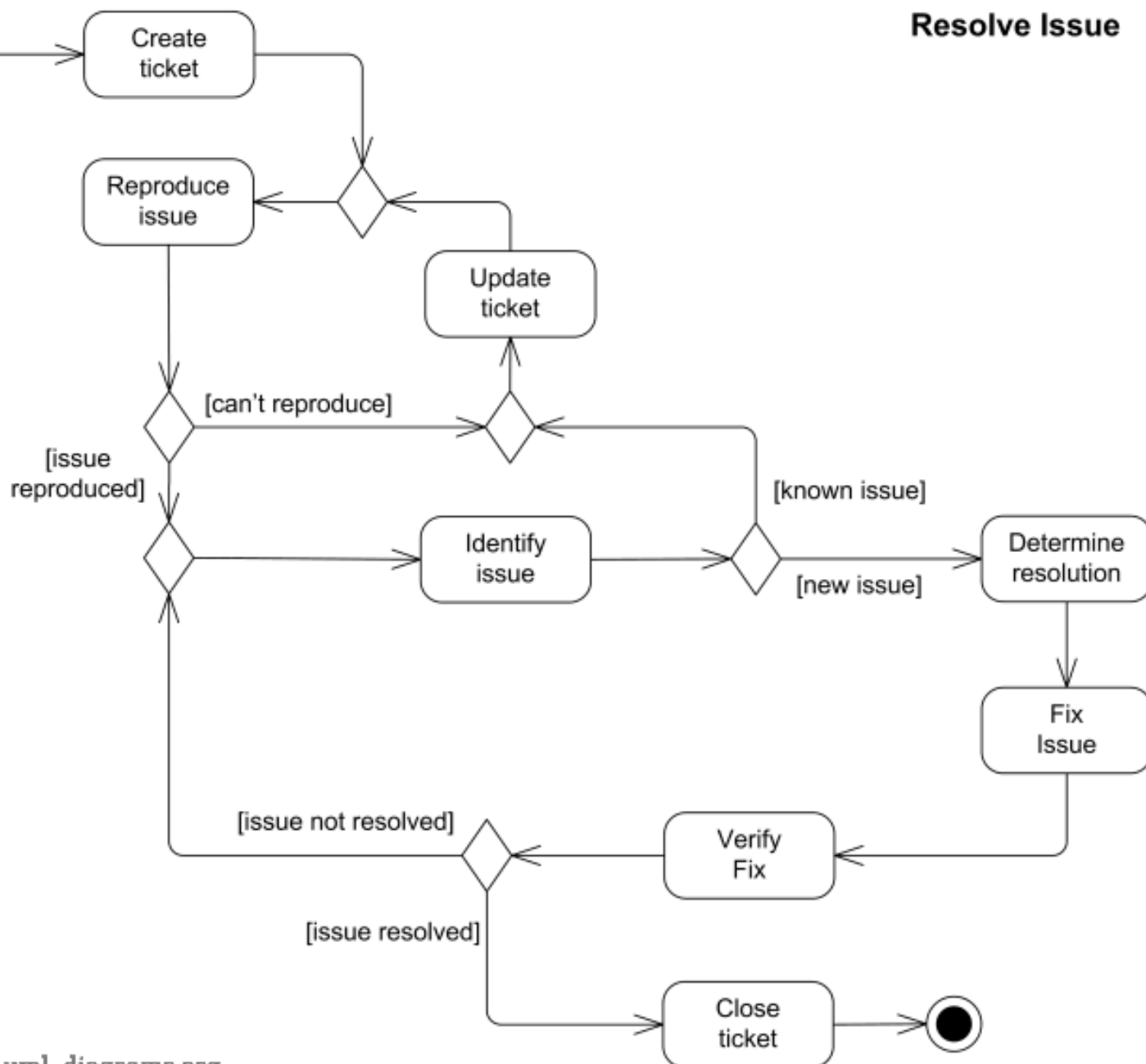


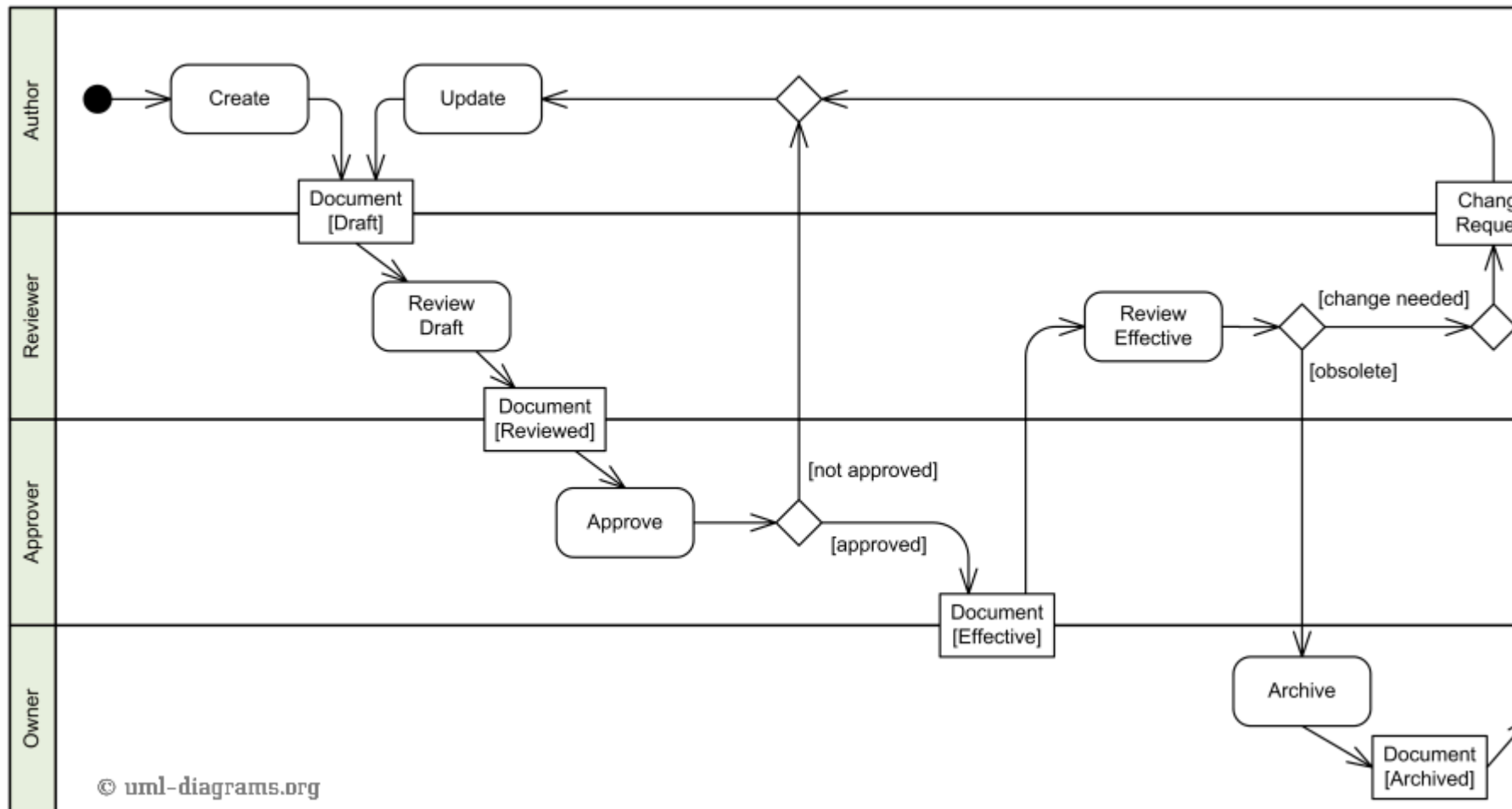
VARENIE KAVY

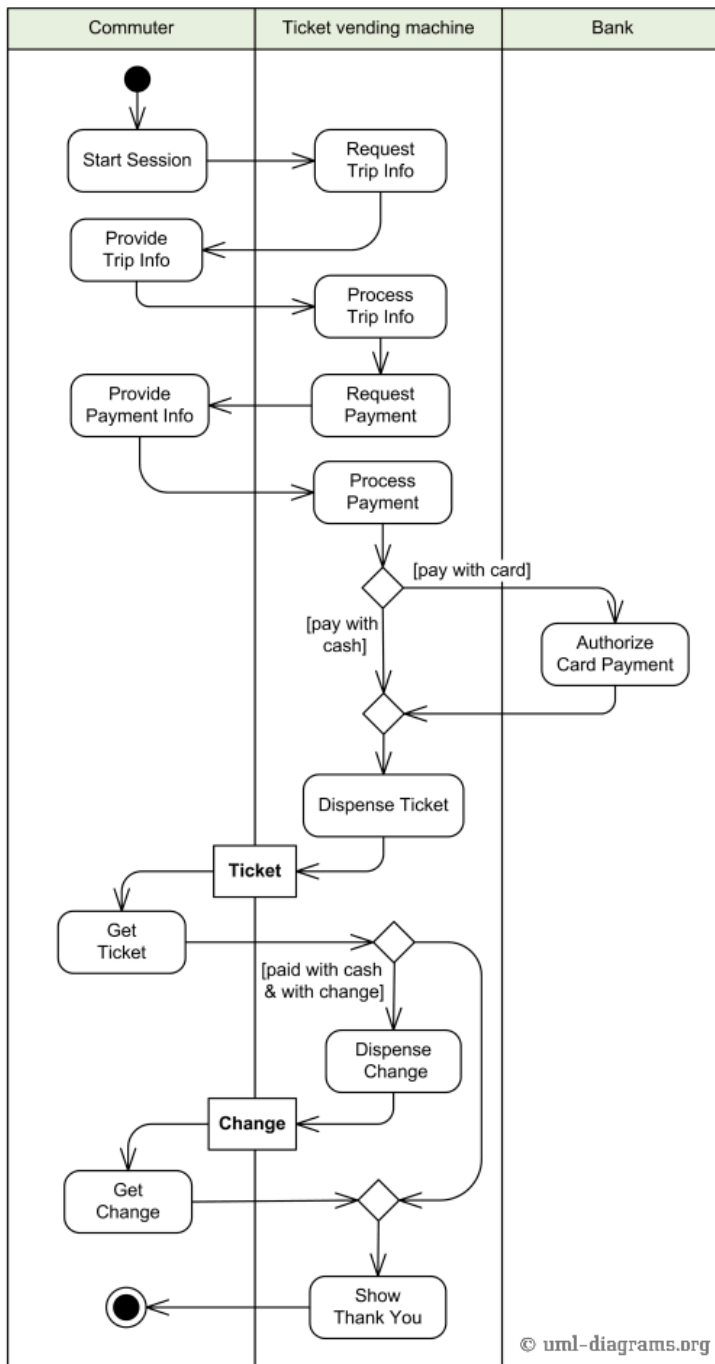


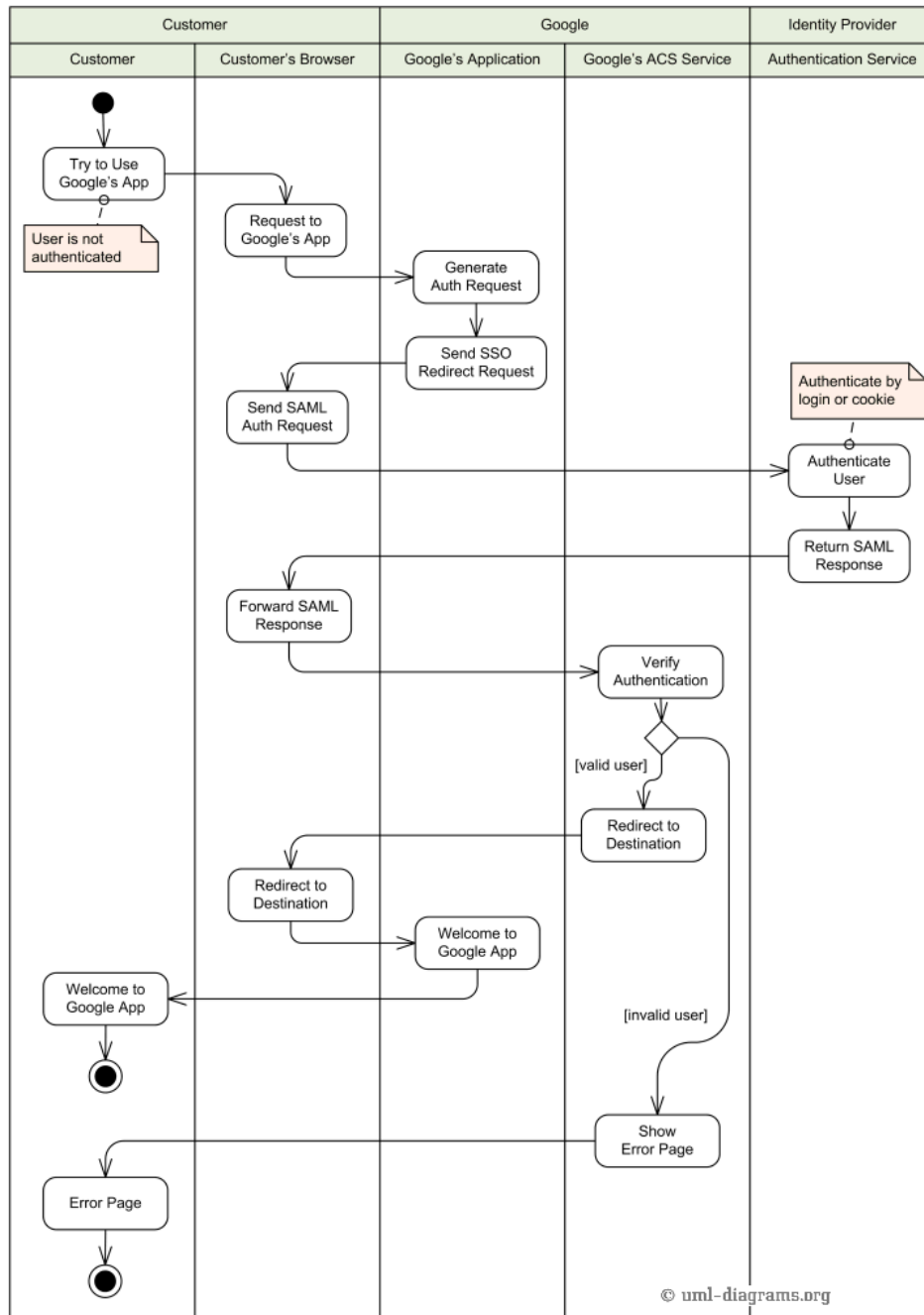


Resolve Issue









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