



LUND
UNIVERSITY

ETSN15: Exercise 1

Terminology, Context diagram

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Project Types [Lau: 1.2, p 8]

Describe how the project is set up w.r.t. RE

Project types		End user	Customer - orderer (\$ and reqts)	Supplier (Development)
<i>Product development</i>				
<i>In-house development</i>				
<i>Tender</i>				
<i>Contract development, Time-and-material</i>				
<i>Sub-contracting</i>				
<i>COTS purchase</i>				
COTS development == Product development				

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<i>In-house development</i>	Testing tool - customised	Apple’s testers	Apple’s R&D departm	Apple’s IT department
<i>Tender</i>				
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COTS purchase	Testing tool - standard	Apple’s testers	Apple’s R&D departm	HP (ALM)
COTS development == Product development	Commercial testing tool – HP ALM	Any tester	HP – marketing dep.	HPs R&D department

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<i>Sub-contracting</i>	AI algorithm in testing tool	Apple's testers	Softhouse Consulting	3 rd party developers
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<i>Tender</i>	New LMS for LU	LU's teachers, students	LU	SW suppliers
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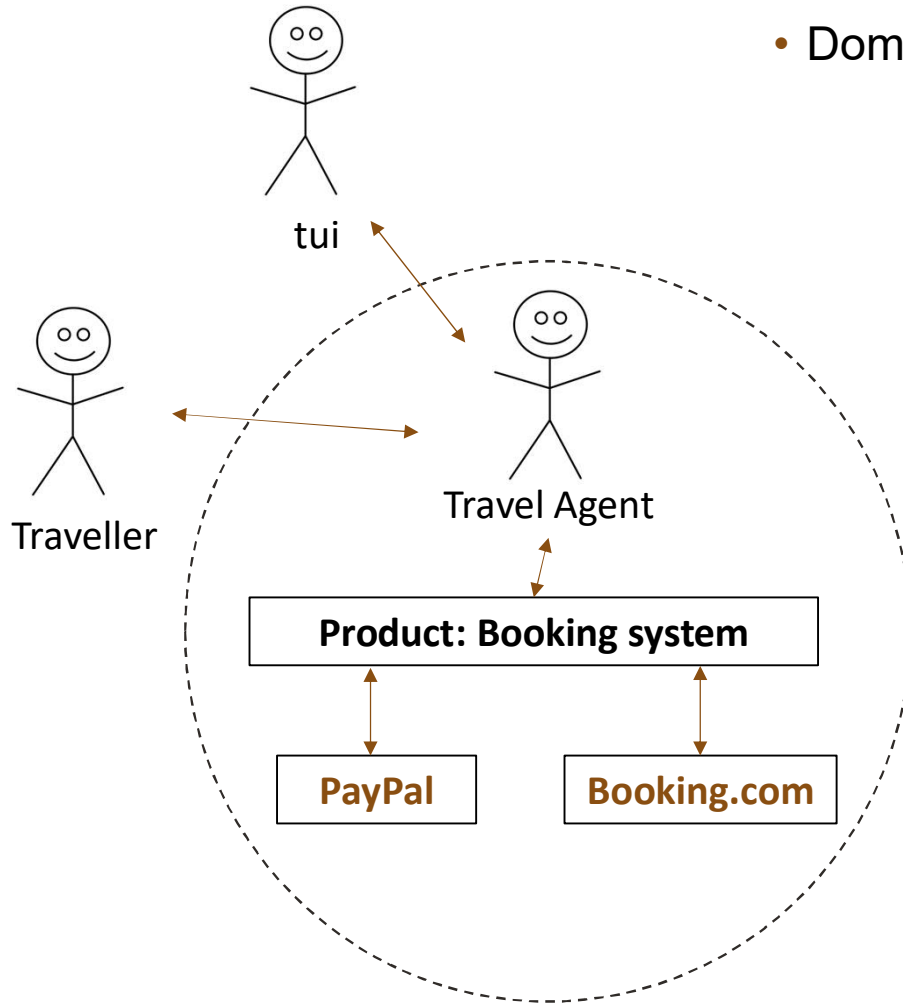
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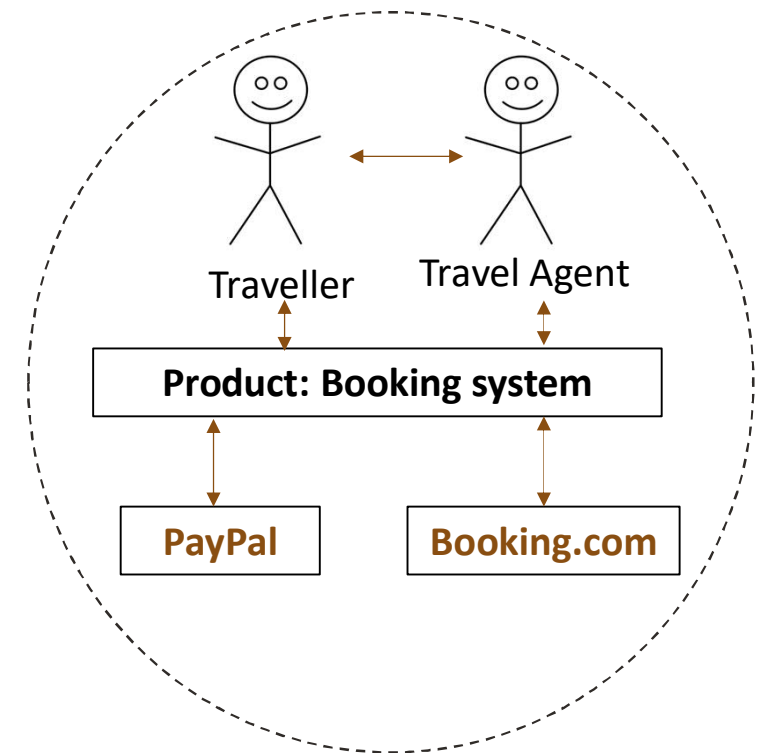
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Context diagram

- Shows product, actors, interacting systems, stakeholders
- Useful for discussing system and domain boundaries
- Domain boundary affects what and how of requirements



With self-booking feature

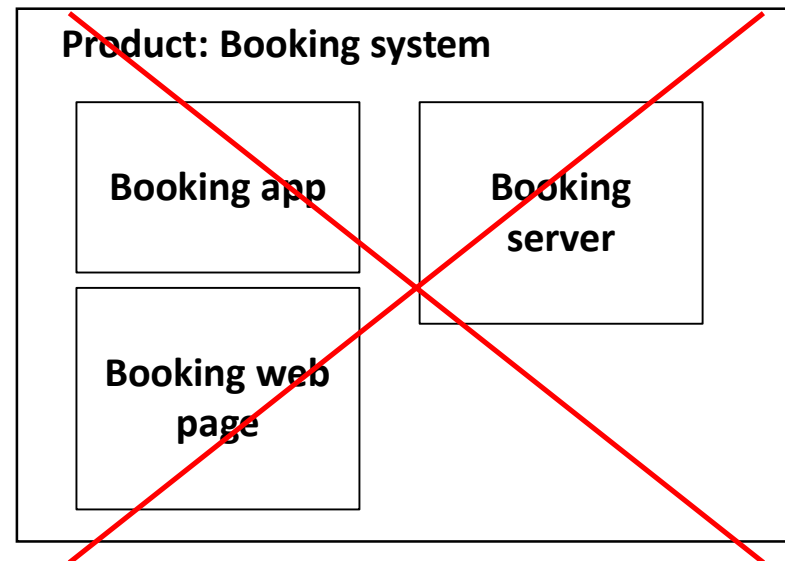


System in focus = Product

Implementation in-dependant –
BLACK BOX

Product: Booking system

NOT WHITE BOX!



Requirements levels [Lau 1.5-1.6, p 20]

- **Goal level – business domain – “smell of money”**

The system shall increase Tui’s booking rate by 10%.

- **Domain level – inner domain**

The travel agent can book rooms for travellers from booking.com and set up payment with PayPal.

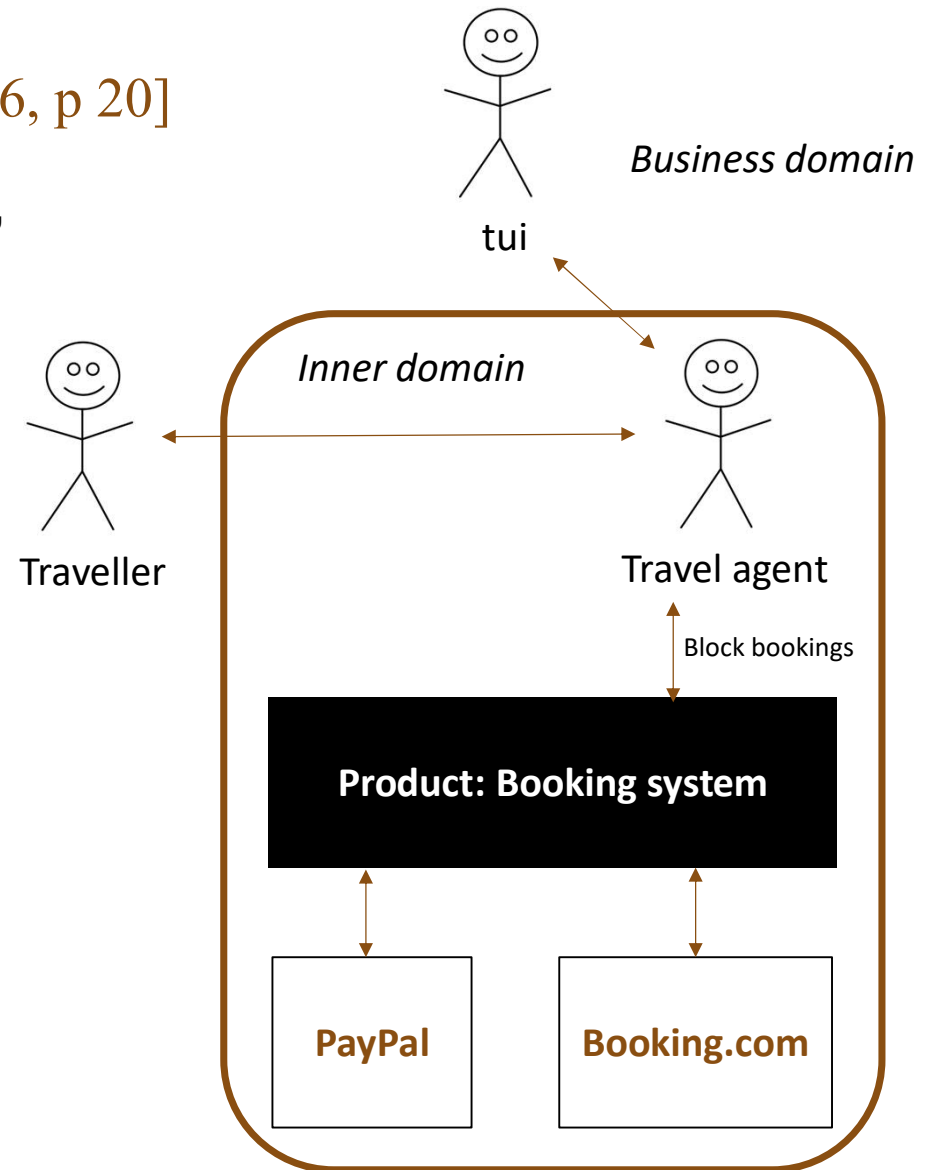
- **Product level**

The booking system shall support booking blocks of hotel rooms

- **Design level**

The booking system shall be implemented as a client-server solution.

A booking screen shall be implemented as shown in fig X



Project models [Lau 1.7, p 31]

The requirements levels used to specify requirements in a project.

Traditional approach – product-level requirements

Fast approach – domain-level requirements

Two-step approach – domain-level + design-level requirements

Requirements Types [Lau 1.3, p 12]

The types of requirements, e.g. found a specification.

Functional requirements

Quality requirements (non-functional requirements)

Data requirements

A specification can also contain

Managerial requirements

Help for the reader

...

Dagens termer

- **Project types** – project set-up, roles (customer, supplier, user), \$, reqts sources
- **Requirements levels** – goal, domain, product, design
- **Context diagram** – system boundaries, primary actors and interacting systems (inner domain), other stakeholders (business domain)
- **Project models** – traditional, fast, two-step approach
- **Requirements types** – functional, quality, data

Dagens upplägg

Jobba projektgruppsvis

- **Orientering (20-30 min):** övningar 1-4, 6
- **Erat projekt:** övning 5 – kontextdiagram o kravnivåer



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