



# Strategic Design

Parinya Ekparinya

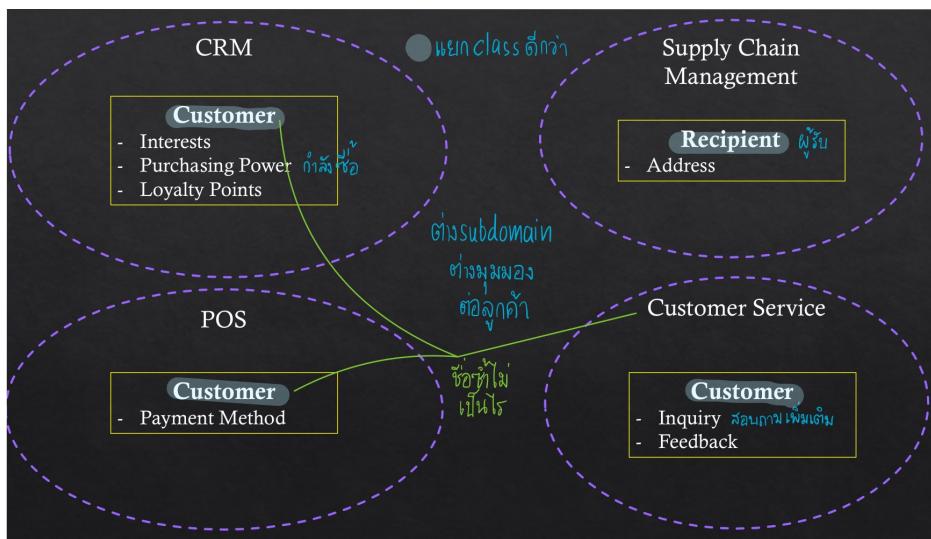
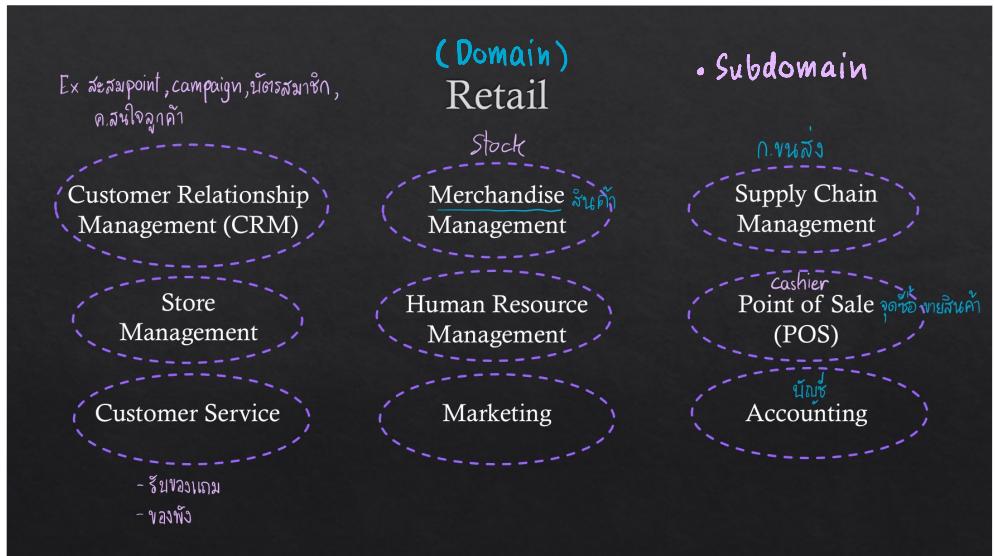
[Parinya.Ek@kmitl.ac.th](mailto:Parinya.Ek@kmitl.ac.th)

# The Development of Large Software Systems

- ❖ While this lecture is mainly about large projects which require the combined efforts of multiple teams, the same concepts can be applied to small/medium size projects that involve many subdomains and/or require many models in different contexts.
  - ↳ ເນັ້ນກົດsubdomain
- ❖ We are faced with a different set of challenges when multiple teams, under different management and coordination, are set on the task of developing a project.
- ❖ Enterprise projects are usually large projects, which employ various technologies and resources.
- ❖ The design of such projects should still be based on a domain model.

# Strategic Design

- Subdomain តាមផែនទេរ domain

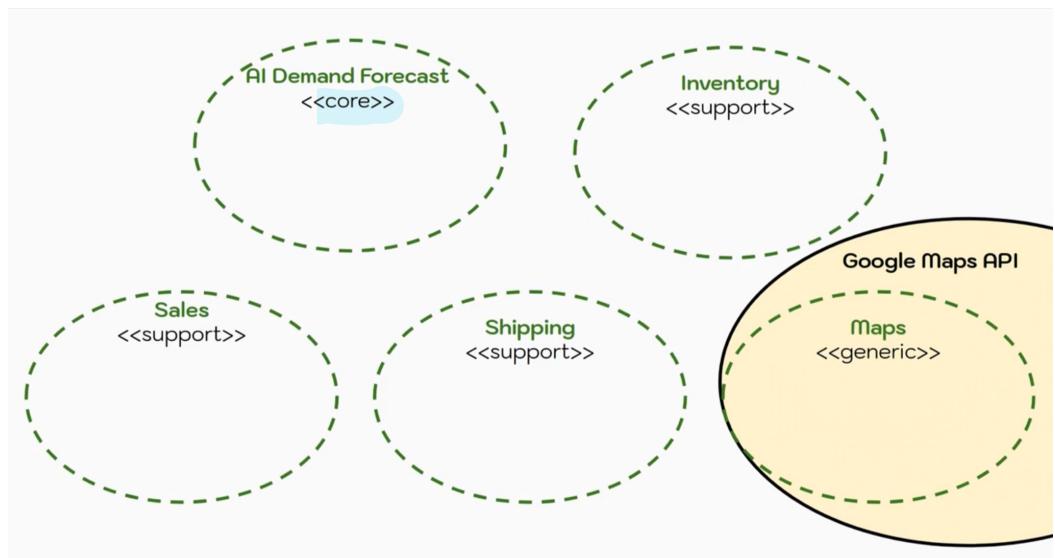


- Subdomain ส่วนของชื่อโดเมน

- ประเภท subdomain

- Core subdomain งานหลัก ต้องทุกที่
- Supporting " " " งานเสริม Core เนื่องจากนั้น
- Generic " " " หัวใจ ใช้สำหรับปกติ

### Ex E-commerce



# Models in Large Software Systems

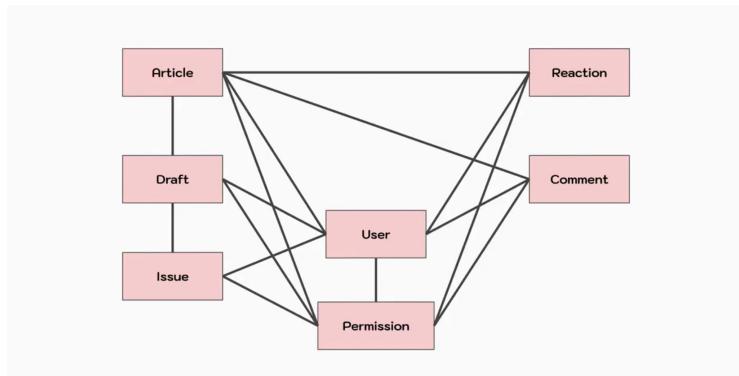
ទំនើប  
ការងារ

- ❖ The first requirement of a good model is to be consistent, with invariable terms and no contradictions. The internal consistency of a model is called *unification*.  
វិវត្ថមន្តរការ
- ❖ When the design of the model evolves partially independently, we should consciously divide it into several models.  
↑ ផែនាថ្មីដោយវិនិច្ឆ័យសំគាល់
- ❖ Several models well integrated can evolve independently as long as they obey the contract they are bound to.  
ការឱ្យការពារនេះខ្សោយការ ទំនើប នូវការសម្រាប់រាយការណ៍ model ។
- ❖ Each model should have a clearly delimited border, and the relationships between models should be defined with precision.
- ❖ On the next page, we will present a set of techniques used to maintain model integrity and relationships between them.

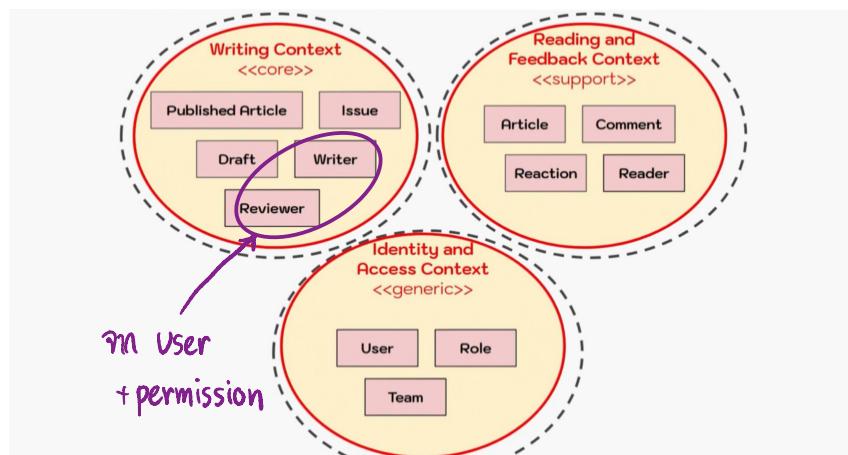
## • Bounded Context

Ex เว็บนักความ (Medium)

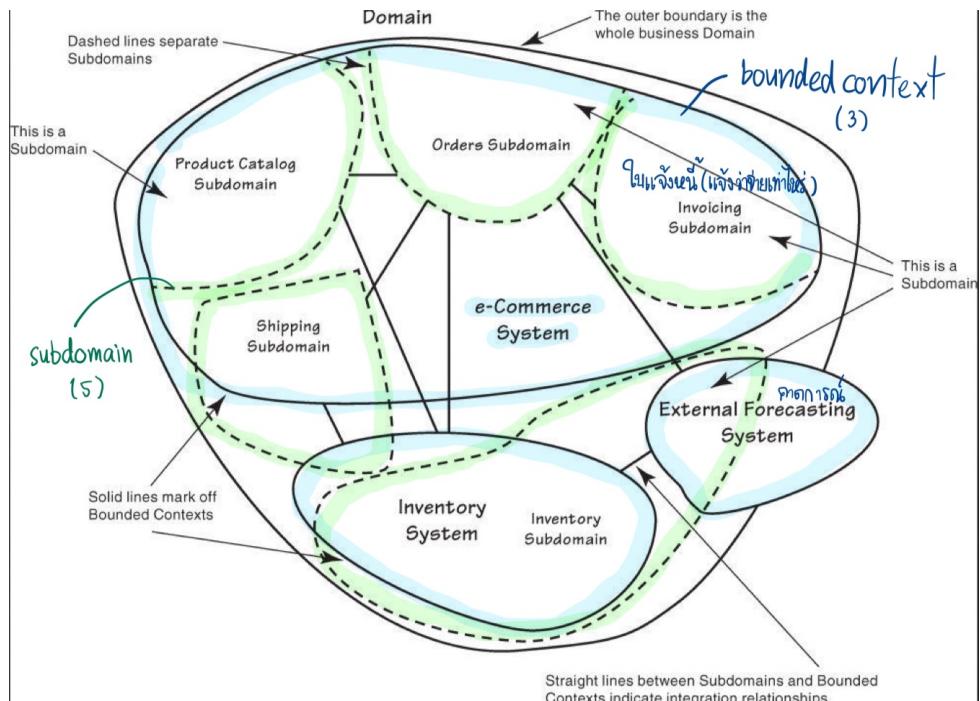
- เก็ง



- 123 bounded context



# Ex Bounded Context ของ E-Commerce App



- Bounded Context vs Subdomain

Subdomain space of problem

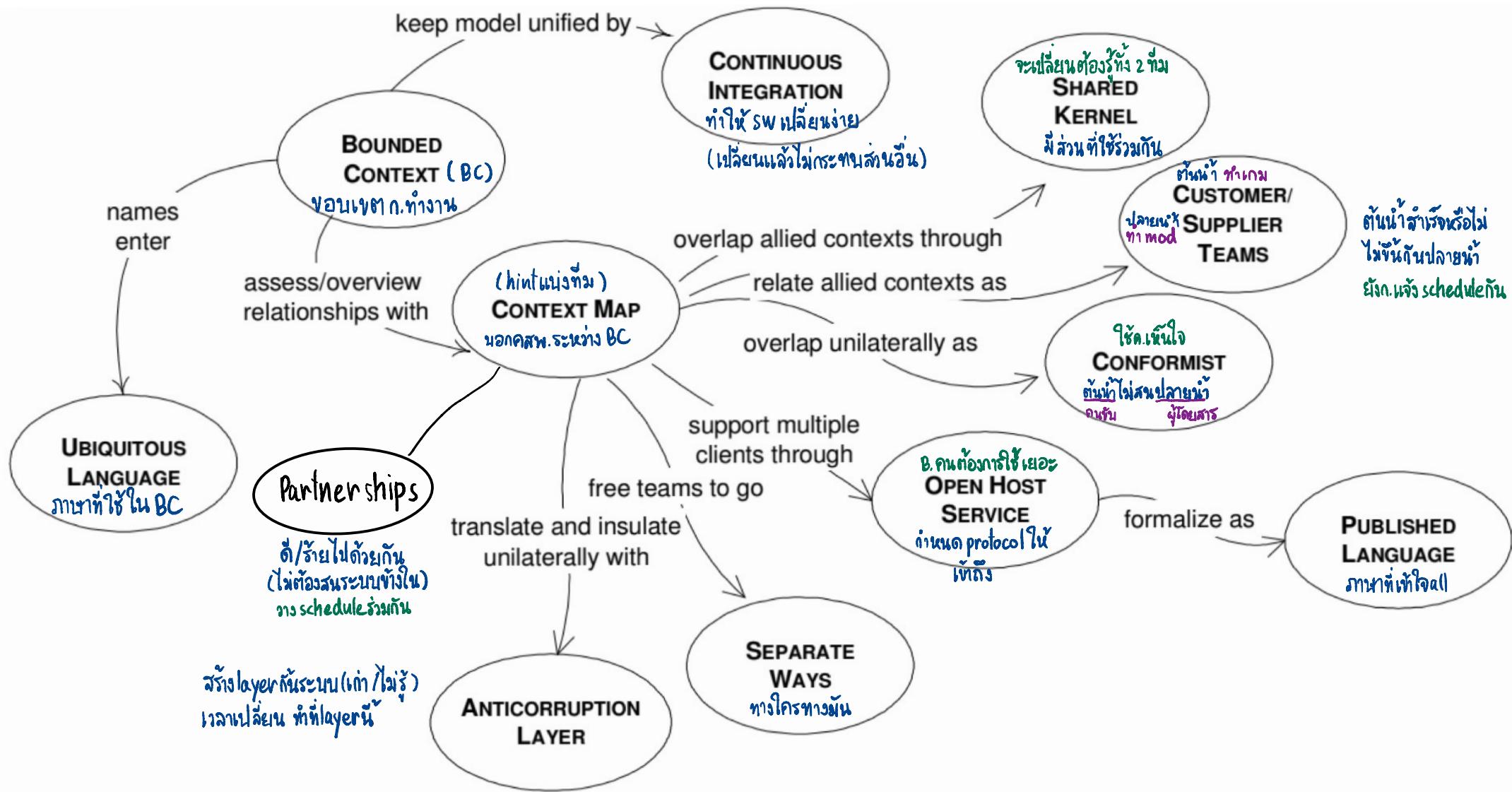
Bounded Context solution space

- สร้างขอบเขตค. เท่านั้น

Ex customer ของฝ่ายขาย, หน่วยงานต่างกัน

ฝ่ายขาย - customer มีข้อมูลต. ชื่อ, อายุ, etc.

" หน่วย - n ————— " ที่อยู่



+ Big Ball of Mud สร้างกรอบล้อมล้วนดีอยู่ไม่ได้

