

# **Information Technology for Logistics**

# **Part 3: ERPNext**

# What is ERP?

- Stands for *Enterprise Resource Planning*.
- Software that collects information from various departments in a common database
  - Unify critical business functions together.
  - Provide organization-wide visibility.

| Really complicated software

# Modules



# Standalone Software



# Standalone Software



## ERP vs Standalone Software

- ERP acts as a unified platform integrating multiple business processes
  - Specialized software addresses only a single function or department.
- | ERP enforces *process flows* across business functions.

# Benefits of ERP



# Implementation Challenges

- Budget
  - License, operation cost, upgrade cost
- High learning curve
  - Need training, resistances to change
- Complex system
  - Need dedicated IT resource, capable vendor to maintain
- Non-standard processes / localization
  - Need a lot of customization (e.g. tax)

# ERP Products

Product	Cost (Monthly)
Oracle NetSuite	\$100 / user + \$1000
SAP Business One	\$200 / user (min 4 users)
Microsoft Dynamics 365	\$200 / user
Sage Intacct	\$1200 (1 user)
Odoo	\$25 / user
Odoo (Open Source)	Free
ERPNext	\$50 (unlimited user)
ERPNext (Open Source)	Free

# Odoo

	<b>Enterprise</b>	<b>Community</b>
Price	<i>\$25 / user / mo</i>	<i>Free</i>
Functionality	<i>Full</i>	<i>Limited</i>
Service	<i>On Cloud</i>	<i>On Premise</i>

# ERPNext

	<b>Cloud</b>	<b>Open Source</b>
Price	\$50 / mo <i>(unlimited user)</i>	<i>Free</i>
Functionality	<b>Full</b>	<b>Full</b>
Service	<i>On Cloud</i>	<i>On Premise</i>

# Why ERPNext?

- 100% open source
- Extensive functionality
  - All areas covered (more or less)
  - Low Code / No Code
- Allow for easy customization

# Why ERPN**e**x?

- Built on general-purpose framework
  - Frappe framework
  - Rapid development / customization
    - Active development
  - Update every week

# Frappeverse

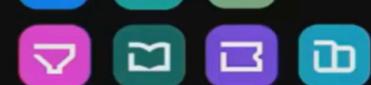
- Ecosystem of open-source products, frameworks, and community built around the Frappe Framework,
  - ERPNext as its flagship application.
- Checkout [Frappeverse Conference 2025](#).

## Full Stack

Enterprise apps



Business apps



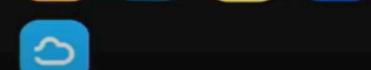
Developer tools



Productivity suite



Cloud platform



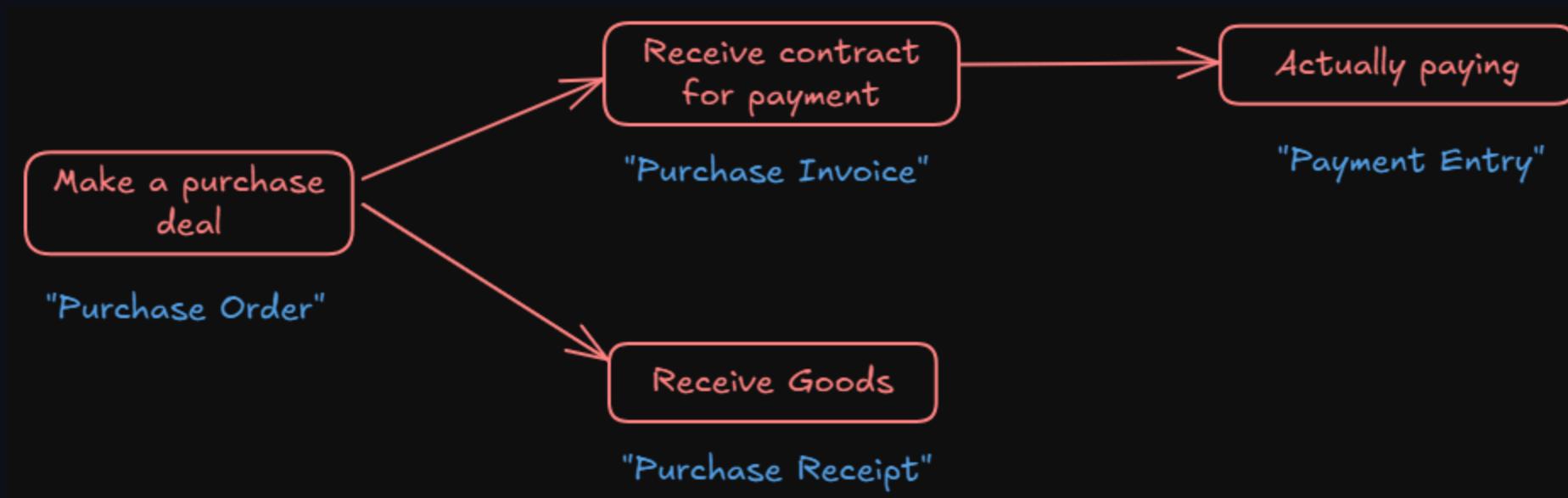
# Installation

- Guide

# Setup

- Create item
- Create customer
- Create supplier

# Purchase



# Sale

