

Course – Low-Code / No-Code Course Notes

Weekly – 20th Dec 2025 Sat / 21st Dec 2025 Sun – Notes

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Read slowly and slowly.

Read carefully and carefully.

Absorb and absorb deeply.

Let's discuss in class

All the best. Thanks.

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Related Course - Few Definition

What is WorkFlow? [In terms of Software]

A workflow is a system for managing repetitive processes and tasks which occur in a particular order. They are the mechanism by which people and enterprises accomplish their work, whether manufacturing a product, providing a service, processing information or any other value-generating activity.

References:

<https://www.ibm.com/think/topics/workflow>

<https://asana.com/resources/workflow-examples>

<https://www.geeksforgeeks.org/software-engineering/what-is-workflow/>

<https://www.techtarget.com/searchcio/definition/workflow>

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What is Integration? [In terms of Software]

Software integration is the process of connecting different software parts or applications to enable seamless data sharing without manual intervention. This process involves a central hub that collects and processes data, distributing it among the applications that need it to perform their tasks. Software integration can connect different parts of the same software or different system platforms to share metrics and data.

References:

<https://www.ibm.com/think/topics/application-integration>

<https://www.snaplogic.com/glossary/software-integration>

<https://www.workato.com/the-connector/software-integration/>

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What is Automation? [In terms of Software]

Automation is the application of technology, programs, robotics or processes to achieve outcomes with minimal human input.

The term "Automation" was first used in 1946 by General Motors to describe the automatic handling of parts in manufacturing. However, today, it has expanded far beyond manufacturing and is used across various fields, including finance, healthcare, and software development, to streamline processes and reduce human involvement.

References:

<https://www.ibm.com/think/topics/automation>

<https://www.spiceworks.com/tech/artificial-intelligence/articles/what-is-automation/>

<https://www.geeksforgeeks.org/software-engineering/what-is-automation/>

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Tools Covered in this course

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<https://zapier.com/>

<https://en.wikipedia.org/wiki/Zapier>

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<https://n8n.io/>

<https://en.wikipedia.org/wiki/N8n>

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<https://bubble.io/>

[https://en.wikipedia.org/wiki/Bubble_\(programming_language\)](https://en.wikipedia.org/wiki/Bubble_(programming_language))

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<https://webflow.com/>

<https://en.wikipedia.org/wiki/Webflow>

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Study - Partnership Eco-system

Our Course - Tech companies Partners Ecosystem

- 1) WebFlow Certified Partners listing:
<https://webflow.com/certified-partners/browse>
- 2) "Bubble.io" Certified Partners listing:
<https://bubble.io/experts-directory>
- 3) Zapier Certified Partners listing:
<https://zapier.com/partnerdirectory>
- 4) The "n8n" Certified Partners listing:
<https://experts.n8n.io/>

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Study – Partners Directory – Note , Company listing page with filters, See company detail page – note offering by that company , See external links – official web site – see social foot prints. Study a company online presence , is important. Studying a company social foot prints – is important. Study – at least on LinkedIn – see their CEO, See their executive team, See their employee listing, and see their locations. See their off-shore, near-shore, on-site and their remote model.

See:

<https://zapier.com/partnerdirectory/flow-digital>
<https://zapier.com/partnerdirectory/flowmondo>
<https://zapier.com/partnerdirectory/automation-ace>
<https://zapier.com/partnerdirectory/delightful-automations>
See above - all links - these are Zapier Partners Service provider Companies

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See their profiles
<https://flow.digital>
<https://www.flowmondo.com/zapier-experts>
<https://getuwired.com/getuwired-zapier-consultation>
<https://automationace.com>
<https://www.delightfulautomations.com>
See above - all links - these are "Official Web sites" - of - Zapier Partners Service provider Companies

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Upwork Dynamics – Notes

To Do: Note numbers, See Jobs-projects, See free-lance profile , see agency profile, Study slowly and slowly. Study carefully and carefully.

<https://www.upwork.com/services/search?nbs=1&q=zapier>
Upwork Zapier Service Provider Listing

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<https://www.upwork.com/nx/search/jobs/?nbs=1&q=Zapier>
Upwork Zapier Jobs/ Projects

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<https://www.upwork.com/nx/search/talent/?nbs=1&q=n8n>
Upwork n8n Service Provider Listing

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<https://www.upwork.com/nx/search/jobs/?nbs=1&q=n8n>
Upwork n8n Jobs/ Projects

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<https://www.upwork.com/nx/search/talent/?nbs=1&q=bubble.io>
Upwork bubble.io Service Provider Listing

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<https://www.upwork.com/nx/search/jobs/?nbs=1&q=bubble.io>
Upwork bubble.io Jobs/ Projects

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<https://www.upwork.com/nx/search/talent/?nbs=1&q=webflow>
Upwork webflow Service Provider Listing

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<https://www.upwork.com/nx/search/jobs/?nbs=1&q=webflow>
Upwork Webflow Jobs/ Projects

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SaaS & Ecosystem

What is SaaS?

SaaS (Software as a Service) is a cloud-based model where providers host applications and make them available to users over the internet, typically via a web browser, on a subscription basis. Instead of buying, installing, and managing software on local devices, users pay a recurring fee (monthly/annual) to access it, while the provider handles all maintenance, updates, and infrastructure. Popular examples include Google Docs, Salesforce, and Slack, offering easy, scalable access from anywhere.

Key Characteristics

- 1) Cloud-Based: Software runs on the provider's servers, not yours.
- 2) Internet Access: Users log in via web browser or app from any device.
- 3) Subscription Model: Pay-as-you-go, monthly, or annually, rather than a large upfront purchase.
- 4) Managed by Provider: The vendor manages hardware, security, updates, and maintenance.
- 5) Scalable & Flexible: Easily adjust users and features as needed.

References:

<https://www.salesforce.com/ap/saas/>
<https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/what-is-saas>
<https://www.ibm.com/think/topics/saas>
<https://www.mckinsey.com/featured-insights/mckinsey-explainers/what-is-saas>

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Differentiate between - saas vs paas vs iaas

References:

<https://www.ibm.com/think/topics/iaas-paas-saas>
<https://www.bmc.com/blogs/saas-vs-paas-vs-iaas-whats-the-difference-and-how-to-choose/>
<https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/what-are-iaas-paas-and-saas>
<https://www.salesforce.com/in/blog/what-is-iaas-paas-saas/>
<https://www.bigcommerce.com/articles/ecommerce/saas-vs-paas-vs-iaas/>

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AI & Ecosystem

What is AI?

Artificial Intelligence (AI) refers to the development of computer systems capable of performing tasks that typically require human intelligence, such as reasoning, learning, decision-making, and perception.

References:

<https://www.ibm.com/think/topics/artificial-intelligence>

<https://cloud.google.com/learn/what-is-artificial-intelligence?hl=en>

<https://www.mtu.edu/computing/ai/>

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What is ML?

Machine learning (ML) is a branch of artificial intelligence (AI) that enables computers to learn from data and improve their performance without explicit programming. It involves using algorithms to identify patterns in data and make predictions or decisions based on those patterns.

At its core, machine learning follows a structured process:

- 1) **Data Collection:** The process begins with gathering data from various sources such as databases, sensors, or user inputs. The quality and quantity of this data significantly impact the model's performance.
- 2) **Data Preprocessing:** The collected data is cleaned and prepared to ensure it is suitable for training. This involves removing duplicates, handling missing values, normalizing features, and engineering new ones.
- 3) **Model Training:** A machine learning algorithm is applied to the prepared data to identify patterns and relationships. The data is typically split into training and validation sets to optimize the model's performance through techniques like hyperparameter tuning.
- 4) **Model Evaluation:** The trained model is tested using metrics such as accuracy, precision, and recall to ensure its reliability. Techniques like cross-validation are used to validate the model's robustness.
- 5) **Model Deployment:** Once evaluated, the model is integrated into real-world systems to make predictions or decisions. Continuous monitoring ensures the model remains accurate as new data becomes available.

<https://www.ibm.com/think/topics/machine-learning>

<https://developers.google.com/machine-learning/intro-to-ml/what-is-ml>

<https://www.oracle.com/in/artificial-intelligence/machine-learning/what-is-machine-learning/>

<https://www.geeksforgeeks.org/machine-learning/ml-machine-learning/>

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What is Gen-AI?

Generative AI refers to a branch of artificial intelligence capable of creating original content such as text, images, audio, video, or even software code based on user prompts. It leverages deep learning models, particularly transformers, to simulate human-like creativity by identifying patterns in vast datasets and generating coherent outputs.

References;

<https://www.ibm.com/think/topics/generative-ai>

<https://aws.amazon.com/what-is/generative-ai/>

<https://www.sap.com/mena/products/artificial-intelligence/what-is-generative-ai.html>

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What is LLM?

Large Language Models (LLMs) are advanced deep learning systems trained on massive datasets—often billions or trillions of words—enabling them to understand, generate, and manipulate human language at scale. They are typically built on transformer architectures, which excel at processing sequences of tokens and capturing long-range dependencies in text.

At their core, LLMs function as statistical prediction engines, generating text by predicting the next token based on context. This capability allows them to perform diverse tasks such as summarization, translation, code generation, sentiment analysis, and reasoning without task-specific programming.

<https://www.ibm.com/think/topics/large-language-models>

<https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/what-are-large-language-models-llms>

<https://www.oracle.com/uk/artificial-intelligence/large-language-model/>

<https://www.sap.com/resources/what-is-large-language-model>

<https://www.redhat.com/en/topics/ai/what-are-large-language-models>

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Apps Ecosystem

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Customer Relationship Management - CRM & ecosystem

Top CRM Players : Salesforce, HubSpot, Zoho, Dynamics 365, Pipdrive , Freshworks, Monday.com , Keap , Insightly

Reference:

What is CRM?

<https://www.salesforce.com/ap/crm/what-is-crm/>

<https://www.ibm.com/think/topics/crm>

<https://www.oracle.com/asean/cx/what-is-crm/>

Top CRM Listing

<https://zapier.com/blog/best-crm-app/>

<https://www.clarity-ventures.com/ecommerce-integrations/crm-enterprise-solutions-software>

<https://technologymagazine.com/top10/top-10-crm-platforms>

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*Enterprise Resource Planning - ERP & ecosystem *

Top ERP name :. Oracle NetSuite ERP , SAP S/4HANA, Odoo ERP, Oracle ERP Cloud, Microsoft Dynamics 365 Business Central , Dynamics 365 ERP , Acumatica Cloud ERP, Infor CloudSuite Industrial, Plex ERP, CPro / Cispro

References:

What is ERP?

<https://www.oracle.com/erp/what-is-erp/>

<https://www.sap.com/mena/products/erp/what-is-erp.html>

<https://www.ibm.com/think/topics/enterprise-resource-planning>

<https://www.microsoft.com/en-us/dynamics-365/resources/what-is-erp>

Top ERP Listing

<https://zapier.com/blog/best-erp-software/>

<https://msdynamicsworld.com/blog/top-11-erp-vendors-all-time>

<https://www.forbes.com/advisor/business/software/best-erp-systems/>

<https://www.linkedin.com/pulse/top-10-erp-systems-2025-software-connect-mv0oc/>

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Project and Portfolio Management - PPM & ecosystem

References:

What is PPM?

<https://www.sciforma.com/blog/what-is-ppm-software/>

<https://planisware.com/glossary/strategic-planning-alignment/project-portfolio-management-ppm>

<https://www.fluid.work/blog/why-you-should-use-ppm-solutions>

Top PPM Solutions:

<https://zapier.com/blog/ppm-software/>

<https://thedigitalprojectmanager.com/tools/ppm-tools/>

<https://triskellsoftware.com/blog/best-project-portfolio-management-software/>

<https://www.cloudnuro.ai/blog/top-10-project-portfolio-management-ppm-solutions-for-it-projects-2025>

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Productivity app & ecosystem

Slack, EverNote, Trello, Miro , Microsoft team, JotForm, Wrike, Airtable

References:

Top Productivity Apps

<https://zapier.com/blog/best-productivity-apps/>

<https://francescod.medium.com/10-hot-productivity-apps-for-2024-e45e68f2ee22>

<https://thedigitalprojectmanager.com/tools/best-productivity-apps-tools/>

<https://www.pcmag.com/picks/best-productivity-apps>

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E-Commerce/Shopping cart solutions & ecosystem

BigCommerce , Woocommerce, Shopify, Adobe Commerce,

Reference:

Top E-commerce developing platform

<https://zapier.com/blog/best-ecommerce-shopping-cart-software/>

<https://www.clarity-ventures.com/ecommerce/enterprise-ecommerce-solutions-guide>

<https://www.forbes.com/advisor/business/software/best-ecommerce-platform/>

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Content Management System-CMS & ecosystem

Wordpress, Drupal , Joomla, HubSpot CMS, SquareSpace

What is CMS?

<https://www.ibm.com/think/topics/content-management-system>

<https://mailchimp.com/resources/what-is-a-cms/>

<https://www.oracle.com/europe/content-management/what-is-cms/>

Top CMS System

<https://www.forbes.com/advisor/business/software/best-content-management-software/>

<https://www.wpbeginner.com/showcase/best-cms-platforms-compared/>

<https://www.geeksforgeeks.org/blogs/best-content-management-systems/>

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Marketing automation solutions & ecosystem

MailChamp, ActiveCampaign, HubSpot, Marketo, Klaviyo , Zoho

What Marketing automation solutions:

<https://www.oracle.com/asean/cx/marketing/automation/what-is-marketing-automation/>

<https://www.ibm.com/think/topics/marketing-automation>

<https://www.salesforce.com/ap/marketing/automation/guide/>

List top Marketing automation solutions

<https://zapier.com/blog/best-marketing-automation-software/>

<https://www.munro.agency/marketing-automation-software/>

<https://www.emailtooltester.com/en/blog/email-automation-software/>

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IT Operations solutions & ecosystem

ServiceNow , Jira , ManageEngine , IBM Maximo, Zendesk, FreshWork

List top IT Operations solutions

<https://www.zluri.com/blog/it-operations-management-tools>

<https://www.rippling.com/blog/it-management-solutions>

<https://ezo.io/assetsonar/blog/14-best-it-asset-management-solutions-for-your-it-operations-in-2025/>

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