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Sign Up

Advanced Bubble Training

3 days (21 hours)

Overview

Bubble is a no-code platform for developing web applications. This visual environment allows you to design interfaces, workflows, and databases without writing code, while offering professional-level control over every layer of the application.

Our Advanced Bubble Training is designed for participants who are already familiar with the fundamentals of Bubble and wish to enhance the functionality of their applications, making them more robust, high-performing, and ready for a demanding operational environment.

You'll learn to leverage Bubble's AI features, such as the AI App Generator and Bubble AI Agent, with the critical perspective needed to accelerate development without compromising application quality.

By the end of this course, you'll be able to design back-end workflows, scheduled tasks, and database triggers, as well as integrate AI services, external APIs, plugins, and online payments with Stripe.

This course will also teach you how to optimize SEO, internationalize an app, secure access, test, optimize, and deploy a professional-grade Bubble app.

Like all our courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Use the AI App Generator and Bubble AI Agent to accelerate development
- Design back-end workflows, scheduled tasks, recursive processes, and database triggers

- Integrate AI services, external APIs, plugins, and Stripe payments
- Expose and secure application data using the Data API and Workflow API
- Optimize SEO, performance, capacity, and Workload Units
- Internationalize, secure, test, and deploy a professional Bubble application

Target Audience

- Entrepreneurs, project leaders, and startup founders looking to improve an MVP
- Project managers, product owners, and product managers looking to gain more autonomy
- Consultants, freelancers, and independent professionals looking to expand their no-code offerings
- Business professionals looking to automate and streamline their internal processes
- Developers looking to add no-code to their toolkit to accelerate project delivery

Prerequisites

- Proficiency in the fundamentals of Bubble: database modeling, responsive visual interface design, front-end workflows, and authentication
- General understanding of how a REST API and the JSON format work
- Basic experience using LLMs

Technical Prerequisites

- A computer with a recent web browser
- Have access to a Bubble account
- A stable internet connection

Agenda for our Advanced Bubble Training Course

[Day 1 - Morning]

AI-Assisted Development with Bubble

- Discover Bubble's AI features
- Using the AI App Generator and Bubble AI Agent
- Generate workflows, data types, and test data
- Use AI to speed up development and debugging
- Apply best practices: effective prompts, critical review, controlled iteration, limitations, and pitfalls
- Hands-on workshop: Generate a basic version of the CRM with the AI Agent, improve the reliability of an , then revert to the template version

[Day 1 - Afternoon]

Back-end Workflows and Automated Processing

- Understanding the differences between front-end and back-end workflows
- Create and call workflow APIs
- Distinguish between synchronous and asynchronous processing
- Schedule processing using the simple Schedule API or list-based Schedule API
- Using recursive workflows, database triggers, and front-end vs. back-end design choices
- Hands-on Workshop: Setting Up a Back-End API Workflow, a Database Trigger, and a Bulk Data Update

[Day 2 - Morning]

API Connector, External APIs, and AI Services

- Review the fundamentals of APIs in Bubble
- Connecting a REST API with API Connector
- Manage authentication via API key or OAuth
- Distinguish between Data and Action calls
- Work with JSON Responses in a Bubble App
- Hands-on workshop: Calling a public external API and connecting to an AI service via API, such as OpenAI or Claude

[Day 2 - Afternoon]

Data exposure, Stripe, SEO, and performance

- Exposing and receiving data with the Data API, Workflow API, keys, security, and webhooks
- Installing and configuring plugins from the Bubble Marketplace
- Setting up Stripe: test/live mode, Checkout, payments, subscriptions, payment actions, and webhooks
- Optimizing SEO: meta tags, title, description, clean URLs, sitemap, robots.txt, Open Graph, and indexable pages
- Optimize performance: “Do a search for,” capacity, Workload Units, and heavy searches
- Hands-on workshop: Securing a CRM workflow API, integrating Stripe Checkout, creating an SEO-optimized public page, and optimizing a resource-intensive search

[Day 3 - Morning]

Internationalization and Advanced Security

- Configuring languages in a Bubble app
- Using App Text to manage multilingual content
- Add a language selector and manage multilingual content
- Conduct a thorough review of privacy rules
- Secure APIs, server-side keys, roles, and permissions
- Hands-on workshop: Make the CRM bilingual (French/English), audit privacy rules, secure APIs, and configure roles

[Day 3 - Afternoon]

Collaboration, acceptance testing, debugging, and deployment

- Understand versioning, branches, teamwork, history, and restoration
- Using Bubble's debugging features
- Analyzing front-end and server logs
- Perform end-to-end testing of the CRM and fix issues
- Preparing for production deployment: advanced configuration, custom domain, emails, plan, capacity, monitoring, and backups
- Hands-on workshop: testing the CRM, fixing issues, and deploying the final version to production

Target Audience

This training is intended for both individuals and companies—large or small—that wish to train their teams in new, advanced IT technologies or to acquire specific business knowledge or modern methodologies.

Assessment at the Start of Training

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency with various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

Teaching Methods

Hands-On Training: 60% Hands-On, 40% Theory. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the instructor—supported by examples and reflection sessions—and group work.

Assessment

At the end of the session, a multiple-choice quiz is administered to verify that participants have successfully acquired the skills.

Certification

A certificate will be issued to each trainee who has completed the entire training program.