

Rapid Application Development with App Studio



Course Summary

Modes of Delivery

- On-site
- Public
- Live online
- Trainer lead

Format

- 50% theory
- 50% lab work

Intended Audience

- Programmers / Software Engineers
- Web-Developers
- Web-Designers
- Product Managers
- Tech-Savvy Business Leaders, Founders & Entrepreneurs

Pricing

- Use contact below

Contacts

Order&Inquiry:

training@einnovator.org

In this course, you will learn how to use Einnovator **App Studio** for *Rapid Application Development* using the “*model-view-component*” paradigm, and the “*design-preview*” / “*develop-test-deploy*” practices.

You learn how quickly prototype **Views** using templates and a rich **widget** library. You you learn to define a **Data-model** suitable to capture applications domains. How will learn how to create **Components** of different kinds using templates and “*drag&drop*” *visual programming*.

You will use the multi-target functionality of App Studio, to generate multiple application deliverables for the same project.

You will learn how to deploy applications and supporting services to a cloud environment. The topics of application security and user notifications are also covered in detail.

Course Objectives

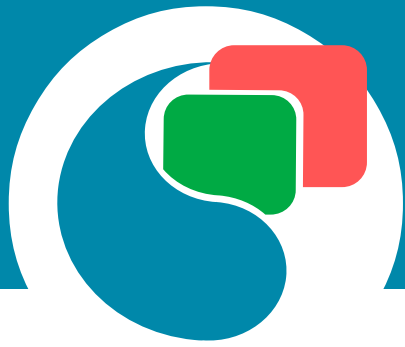
- Get familiar with App Studio concepts and UI
- Learn how to create Views using templates and widget library, and how to create custom styling
- Learn how to design data-model for applications
- Learn how to select suitable data persistence strategies
- Learn how to create Components for application logic, request-handling, and custom queries
- Learn how to secure your apps
- Learn how to notify and engage users
- Learn how to deploy application and support services to a cloud environment

Einnovator™

Email: training@einnovator.org; support@einnovator.org; Web: www.einnovator.org

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Course Modules

Day 1

Day 2

1 INTRODUCTION TO APP STUDIO

- RAD, the Cloud, and IT Landscape
- AppStudio Concepts and Workflows
- AppStudio UI Overview
- Creating a Static Web-Site

2 DATA MODELING & PERSISTENCE

- Defining Entities
- Associations
- Enums and DataSets
- Object Persistence Strategies
- Validation & Code/View Generation Hints

3 APP COMPONENTS & LOGIC

- Web-Controllers
- Web-Services
- Custom Queries
- Other Component Types

4 VISUAL PROGRAMMING

- Logic & Actions Overview
- Web Actions
- Logic Actions
- "Low-Level" Programming

5 VIEWS, WIDGETS & STYLE

- Creating Custom Views
- Advanced Widgets
- Styling
- Static Resources

6 CODE-GENERATION & CLOUD DEPLOYMENT

- GIT/VCS Integration
- WebApp Generation
- Deploying Databases
- App Building & Deployment
- App Configuration and Devops
- Generation of other Targets: Web-Services, Front-End/PWA, Client Libraries, Mobile Apps

7 SECURITY

- Introduction to App Security
- Roles and Access-Control
- Integration with SSO Gateways

8 NOTIFICATIONS

- Creating Notification Templates
- Notifying Users
- Integration with Notification Hub





Rapid Application Development with App Studio



Course Details

Rapid Application Development with App Studio, teaches you how to use EInnovator **App Studio** for *Rapid Application Development* using the “model-view-component” paradigm, and the “design-preview” / “develop-test-deploy” practices.

You will get familiar with all aspects of App Studio UI, how to design and implement applications data-model, components, and UI. You will generate source code for multiple targets, including web-applications, mobile apps, and client libraries. And you will learn how to build and package your applications and deploy them to the Cloud.

Some of the specific topics and techniques covered include: create quick UI prototypes using Views templates and a rich widget library; get proficient in creating data-models suitable to capture your application domains; understand available object persistence/data storage approaches; how to create Components and application logic, including endpoints for web apps and web-services, using a combination of pre-available templates and “drag&drop” visual programming; generate code for backends and front-ends in multiple runtimes; define a security and access-control policy for your application based on roles and user identity; notify users of key events via email or sms; deploy applications and supporting services to a cloud environment.

Structure & Labs: The course is structured in multiple sessions (modules), each with a trainer-lead presentation and a practical hand-on lab. You will be provided with a cloud-based App Studio environment to perform the labs, which you can continue to use after the course. In each lab, you explore and use different functionalities of **AppStudio** to create an application, as you go from concept-design to implementation to delivery.

Who can benefit from this course? All developers / programmers, software engineers, web-developers, and web-designer, looking to learn how to use App Studio to quickly build new applications, refactor or port existing applications. Product and project managers looking to learn how to accelerate *product life-cycle* from idea to delivery and fast-iteration. Hands-on tech-savvy founders and entrepreneurs, looking to learn how to go from business idea to IT product, and explore new ideas quickly enabled by App Studio.

Pre-requisites: None.

