Welcome!

Codolex
Simplify development

Announcing Codolex 2.0
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GDK software

Today's Presenters

Marco Geuze, GDK Netherlands

- Co-Founder of GDK Software
- Delphi MVP

Jim McKeeth, GDK USA

- Director of GDK USA
- Delphi MVP
- Former Embarcadero Dev Advocate
- Swipe to unlock patent

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Agenda

- What is Codolex

- What's new in Codolex 2.0

- Benefits of Codolex

- Codolex in Action

- Special Announcement

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What is Codolex?

- A low-code solution for Delphi development.

- Visually arrange Activities on Flows to capture business logic.

- Automatically generates code from the visual flows.

- Integrates with Delphi 10.3 and newer
  - Also standalone for non-programmers,
  - and command-line interface for build system.

- No runtime requirements.

- Works across platforms.

- Fully extensible – create your own activities.

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What's New in 2.0

- New Activities!
  - Math
  - Date & Time
  - System utils
  - RegEx

- Usability, navigation and help

- Quality improvement & fixes

- *New pricing model*

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More Than Developer Productivity

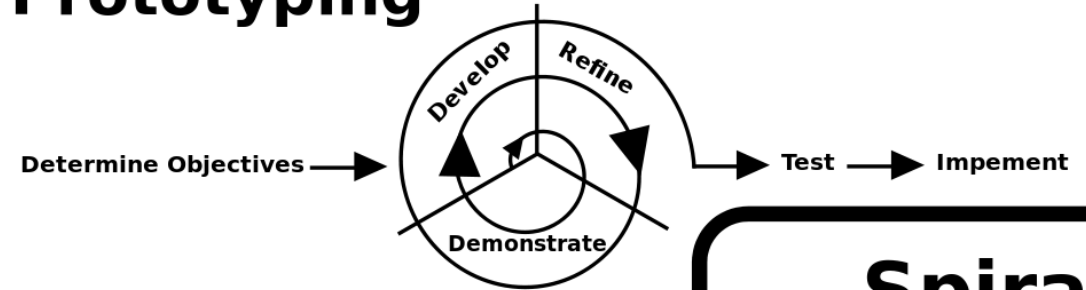Delphi makes us very productive, and while it is great to get more done,
there is a lot more to what we do than writing the initial code.
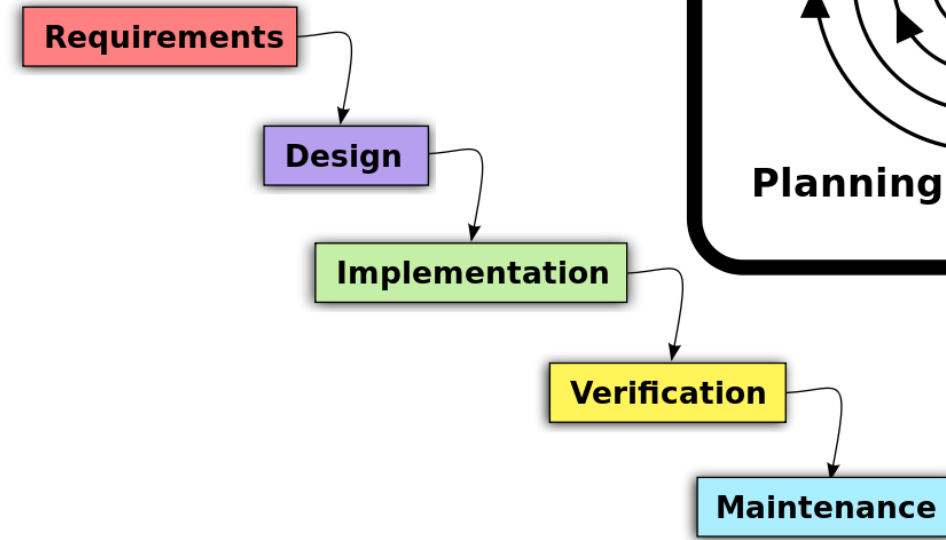
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SDLC Stages

- Requirements

- Design/Planning

- Development

- Testing/Verification

- Maintenance

There are many different software development processes and methodologies. Use whatever method works for you. The reality is they are all focused on more than just writing code, and so is Codolex.

Prototyping

Determine Objectives → Develop / Refine → Test → Impement

Demonstrate

Spiral

Analysis | Evaluation

Planning | Development

Waterfall

Requirements → Design → Implementation → Verification → Maintenance

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Benefits of Codolex

Best Practices	Developer Productivity	Visual Business Logic
Enhanced Collaboration	Direct Behavior Capture	Simplified Maintenance
Consistent Architecture	Quicker Updates	Better Testing

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Best Practices

- Codolex is built around best practices and helps encourage developers embrace these practices to make their code better.

    - Use of Interfaces

    - Loose Coupling

    - Separation of Concerns

    - DRY – Don't Repeat Yourself

    - SOLID Principles

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SOLID Principles

The First 5 Principles of Object-Oriented Design

S — Single-responsibility Principle
A class should have only one job.

O — Open-closed Principle
Be open for extension but closed for modification.

L — Liskov Substitution Principle
Every derived class should be substitutable for their parent class.

I — Interface Segregation Principle
Only implement and depend on the interfaces used.

D — Dependency Inversion Principle
Entities must depend on abstractions, not on concretions.

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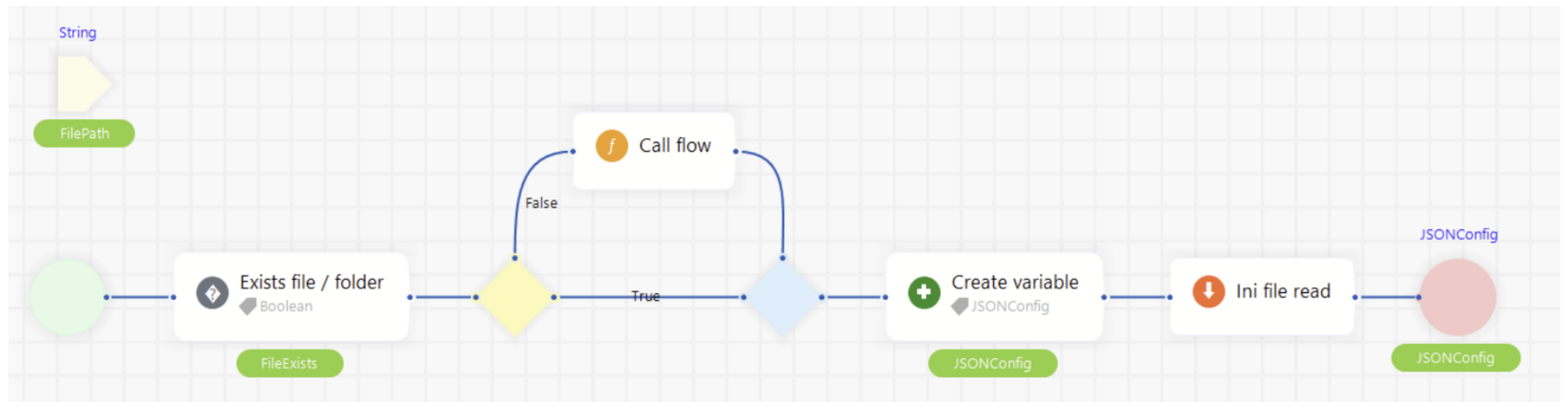
Developer Productivity

Less code and less time are required to accomplish the development process.

Developer productivity is a great place to start. We all want to be more productive.

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Visual Business Logic

Easier to understand and collaborate on the business logic when it is expressed visually. We've always used flow charts and white boards to discuss business logic in the past, the big difference now is the visual flow created in Codolex directly becomes the code that runs in the program.

Enhanced Collaboration

As developers we can read code, but a visual representation adds additional understanding. This is especially useful when collaborating with non-programmers.

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Direct Behavior Capture

When business logic and behaviors are defined by subject matter expects in other tools, they still need to be translated into functionality.

With Codolex the SMEs can create the flows visually without needing to understand the underlying code.

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Consistent Architecture

When a team uses Codolex it creates a consistent architecture across the entire application. This makes it easier for developers to move between different areas.
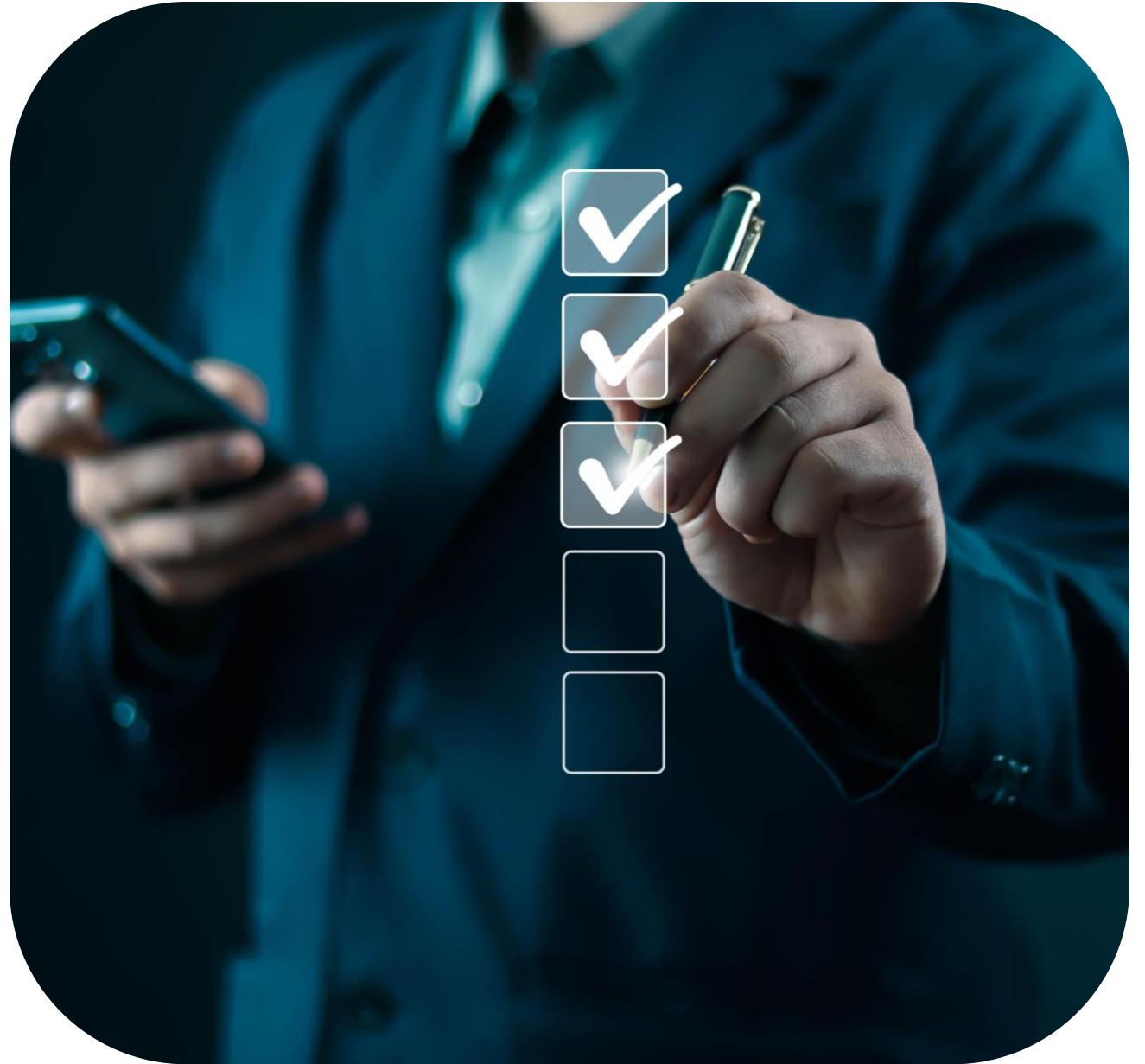
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Better Testing

- The Codolex architecture fosters better encapsulation and looser coupling, making the software easier to test.

- Internally, GDK Software uses Codolex flows to test Codolex.

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Quicker Updates

Updates to the visual representation of the business logic and application behavior by SMEs are immediately incorporated into the next build of the application.

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Codolex Demonstrations

Testing Flows

Connecting to REST

Working with LLM

Extending Legacy Projects

Stand Alone UI

Delphi Integration

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New 2.0 Pricing

- Codolex 2.0 is now **FREE**!

- All 1.x features included

- No runtime fees

- No deployment costs

- No vendor lock-in

- You keep all your code

Please spread the word, share your feedback and contribute Activities. You help make Codolex better!

codolex.com

Codolex isn't opensource, but it is fully extensible, and you own the code you create.

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Service Options

Personal Onboarding Call

€ 299,-

Jump start with Codolex, and get the following

- Accelerate your projects with a personal onboarding call

- Let us guide you through a swift setup process

- Gain direct assistance from our experts

- Minimize setup time and maximize project focus

- We walk you through building and running your first flow

The Full Package

€ 1495,-

Everything from the Personal Onboarding Call +

- Receive a full day of dedicated development and support

- Building more complex flows and integrating into existing applications

- Create your first custom Activity

- Tailor Codolex perfectly to your environment

Sign up today **codolex.com**

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Other custom support and training available

Download Codolex 2.0 Today!

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- Enhanced documentation

- Includes new 80-page eBook

- Many videos on YouTube
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- More demos coming soon

- All *free!*

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