Gen Studio Developer

Agenda

- ▲ Background
- ▲ Introduction to Gen Studio Developer
- ▲ Demonstration
- ▲ Summary
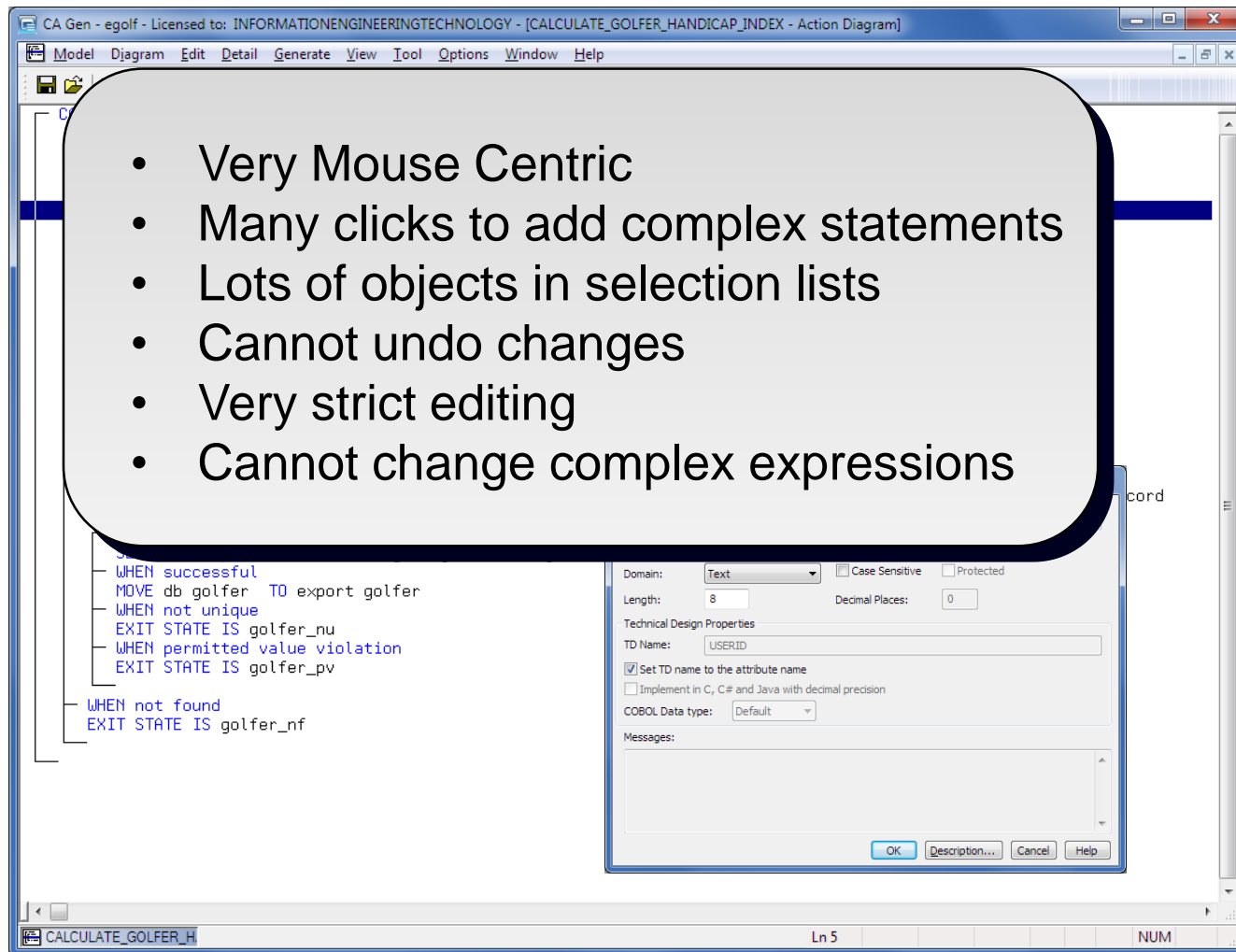- ▲ Next Steps
- ▲ Q&A

Background

- ▲ Key issues raised by some Gen customers
    - ▲ Hiring / retaining Gen developers
    - ▲ Training new developers
    - ▲ Developer dissatisfaction with Gen
        - ▲ Multiple tools with different UIs
            - ▲ Toolset / Studio / Trace / Build Tool / Ency Clients
        - ▲ Toolset Issues
        - ▲ Gen seen as 'legacy'
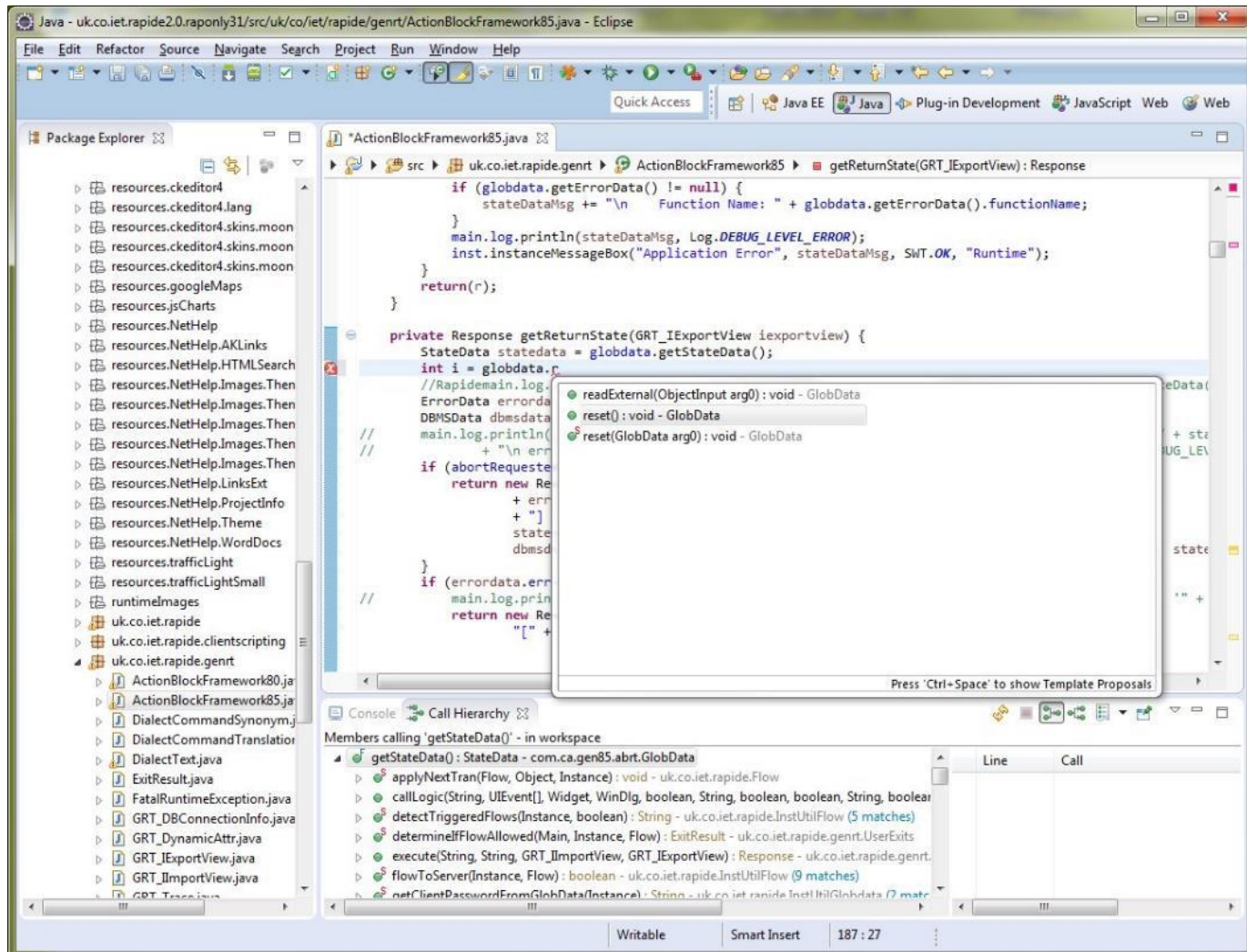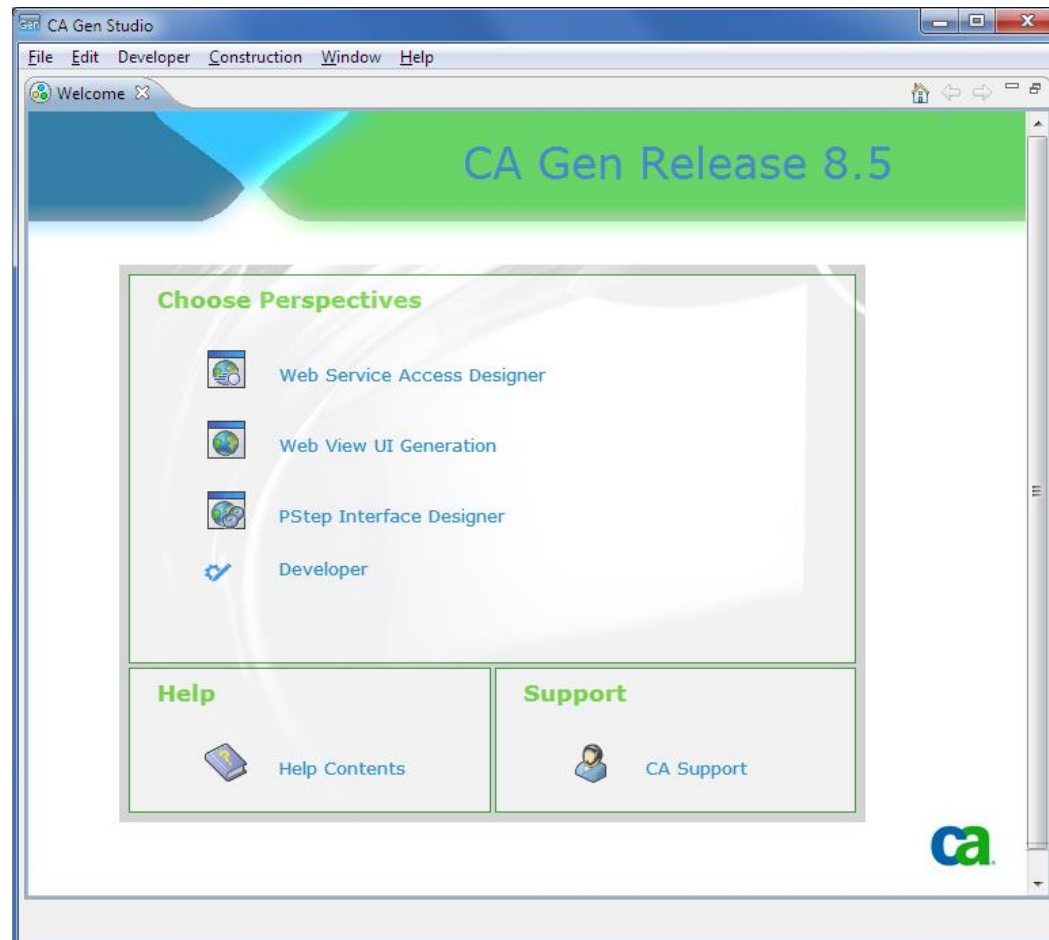   - ▲ Enhancements slow to deliver

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CA Gen Toolset

- Very Mouse Centric
- Many clicks to add complex statements
- Lots of objects in selection lists
- Cannot undo changes
- Very strict editing
- Cannot change complex expressions

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Developer Expectations
- A Modern IDE

Gen Studio

Gen Studio Developer

Gen Studio Developer

- ▲ Provides a complete application development capability within Eclipse using Gen Studio

- ▲ Objectives
  - ▲ Improve developer satisfaction
  - ▲ Make Gen easier to learn & use
  - ▲ Enable faster enhancements to Gen
  - ▲ Improve developer productivity

Approach

- ▲ Maximise compatibility with current toolset
  - ▲ Ease of transition
- ▲ Respect the strengths of the current Gen toolset
  - ▲ It does a lot of things very well
- ▲ Simplification
  - ▲ Remove unnecessary features
- ▲ Focus on key areas for improvement
  - ▲ Usability
  - ▲ Functionality

Phase 1 Scope

- ▲ Data Model
- ▲ Activity Hierarchy
- ▲ Work Sets
- ▲ Business Systems
- ▲ Commands / Dialects / Exit States
- ▲ Dialog Flow Diagram
- ▲ Procedure / Procedure Steps
- ▲ Action Diagrammer
- ▲ GUI Designer
- ▲ Screen Designer
- ▲ Data Structure & Technical Design
- ▲ Packaging
- ▲ Rapide Generator

Subsequent Phases

▲ Direct Editing

    ▲ Initially CSE only

▲ Integrated IET Products

Current Status

▲ Beta Test
  - ▲ Started Feb 2017
  - ▲ Initially restricted to 3 sites

▲ Customer Reaction
  - ▲ A longer life for CA Gen
  - ▲ We will still dare to invest in CA Gen

▲ Very Positive Developer Response
  - ▲ It is more intuitive to use (it reminds of RDz, Visual Studio, Eclipse)
  - ▲ It takes a long time to get used to the old toolset; Gen Studio is easier to "get used to"
  - ▲ It is not so "restricted" when you code (if you have forgotten how to do something, you get much more help)
  - ▲ More manageable, and easy to find out where to do what
  - ▲ Search is much easier
  - ▲ It is faster to code programs, because you get a lot of help: e.g. auto suggest
▲ Keep up to date at www.iet.uk/StudioDeveloper

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