OutSystems

Projects presentation for UMinho MFES 2012/2013

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Who is OutSystems?

- Founded in 2001
- HQ in Lisbon Portugal
  - OutSystems US, San Ramon & Atlanta
  - OutSystems Benelux, Maarssen Netherlands
- 150+ Employees and growing
- Profitable with cash on hand & a strong financial position
- Core capability is to enable rapid innovation via a solution that integrates and facilitates application development, delivery, management, and change
- This core capability is further enhanced by our solutions delivery teams and unique approach to Agile methods

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Who is OutSystems?

Maker of the Agile Platform

Since 2001

6,100+ Community Members

250+ Enterprise Customers

Across 22 Industries

In 15 Countries

59 Partners

800+ Agile Projects

agileplatform™

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Some of our Customers

22 Different Industries, Similar Challenges

outsystems
About Agility

Utilities	Electrabel GDF SUEZ, edp, e·on, REN, HE HOME ENERGY
Telecom	PT, UNITEL O próximo mais próximo, STRATOS, ZON MULTIMEDIA, cyta
Financial/ Insurance	VAN AMEYDE Group, BARCLAYS, Liberty Seguros, BPI
Life Sciences	IPSEN innovation for patient care, charles river, HOVIONE, sanofi aventis
Retail & Distribution	Refrige, Coca-Cola, JERÓNIMO MARTINS, ebay, WASCO
Transportation/ Travel	TRAVELZOO, sata The Atlantic and You, ana Aeroportos de Portugal SA, TAP, Brisa, TNT
High Tech	LusSpace, WPD, DIGITALREEF, TRUnet

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What Problems We Solve

The Need for a New 'Custom' Application

- Current Information System is hard to maintain or a new system is needed
- Available packages don't do exactly what the business needs plus they are costly and hard to customize
- IT does not have the resources to deliver a custom solution on-time and in-budget

OutSystems offers a complete turn-key solution that delivers your business requirements on-time, in-budget, and enables future adaptation to changing business needs.

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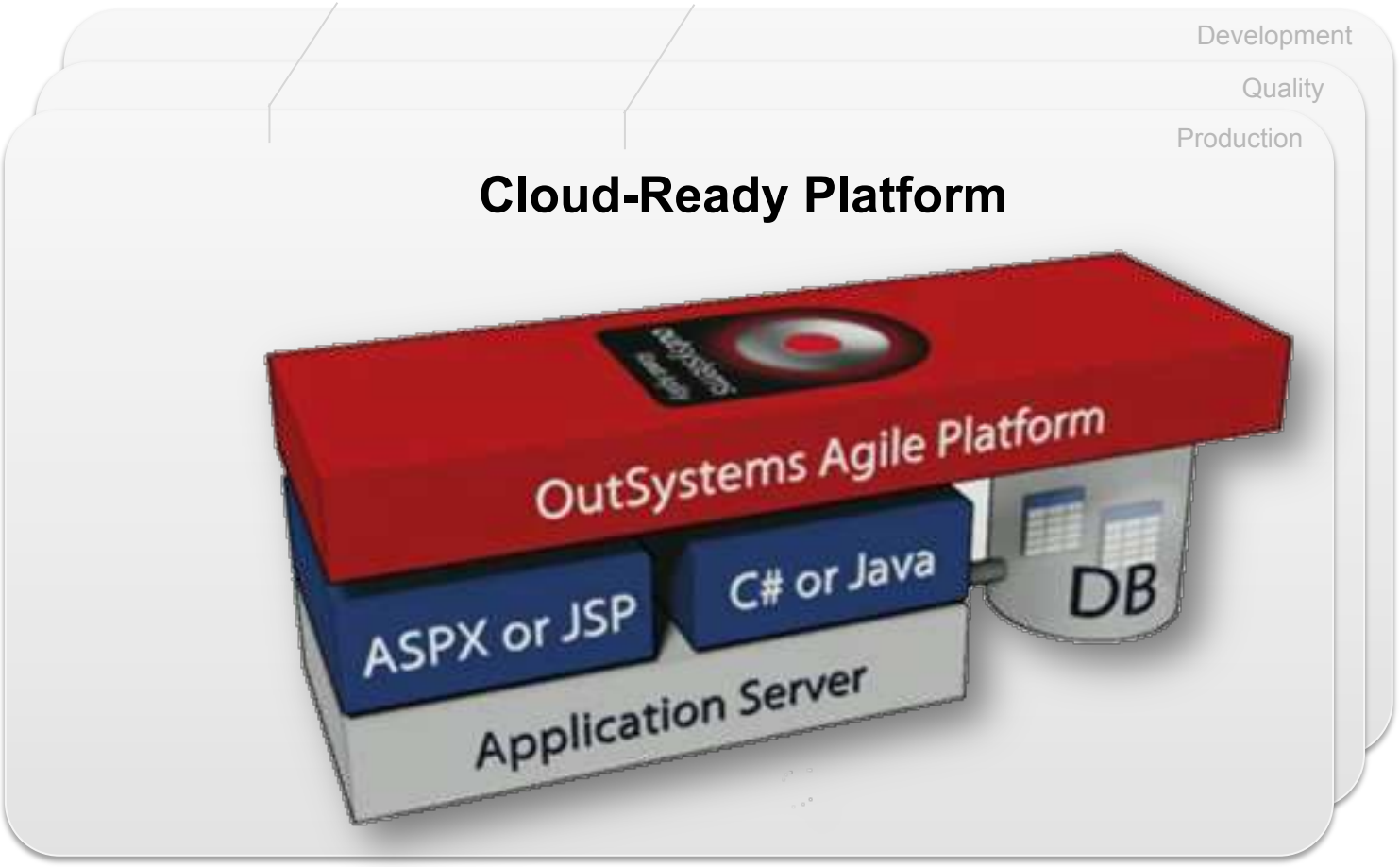
the **agile**platform

End-to-end App Development and Deployment Platform



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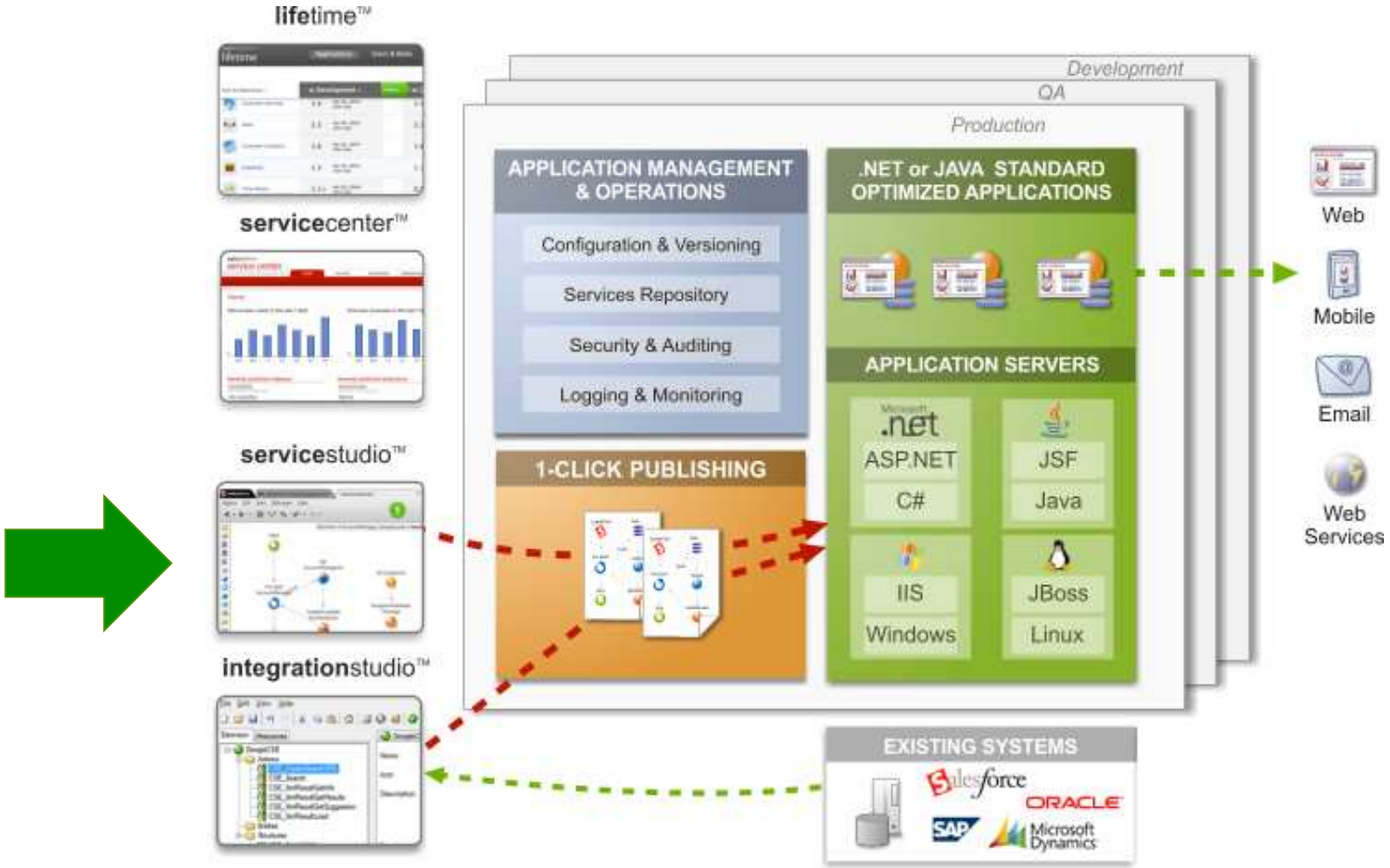
the **agile**platform

End-to-end App Development and Deployment Platform



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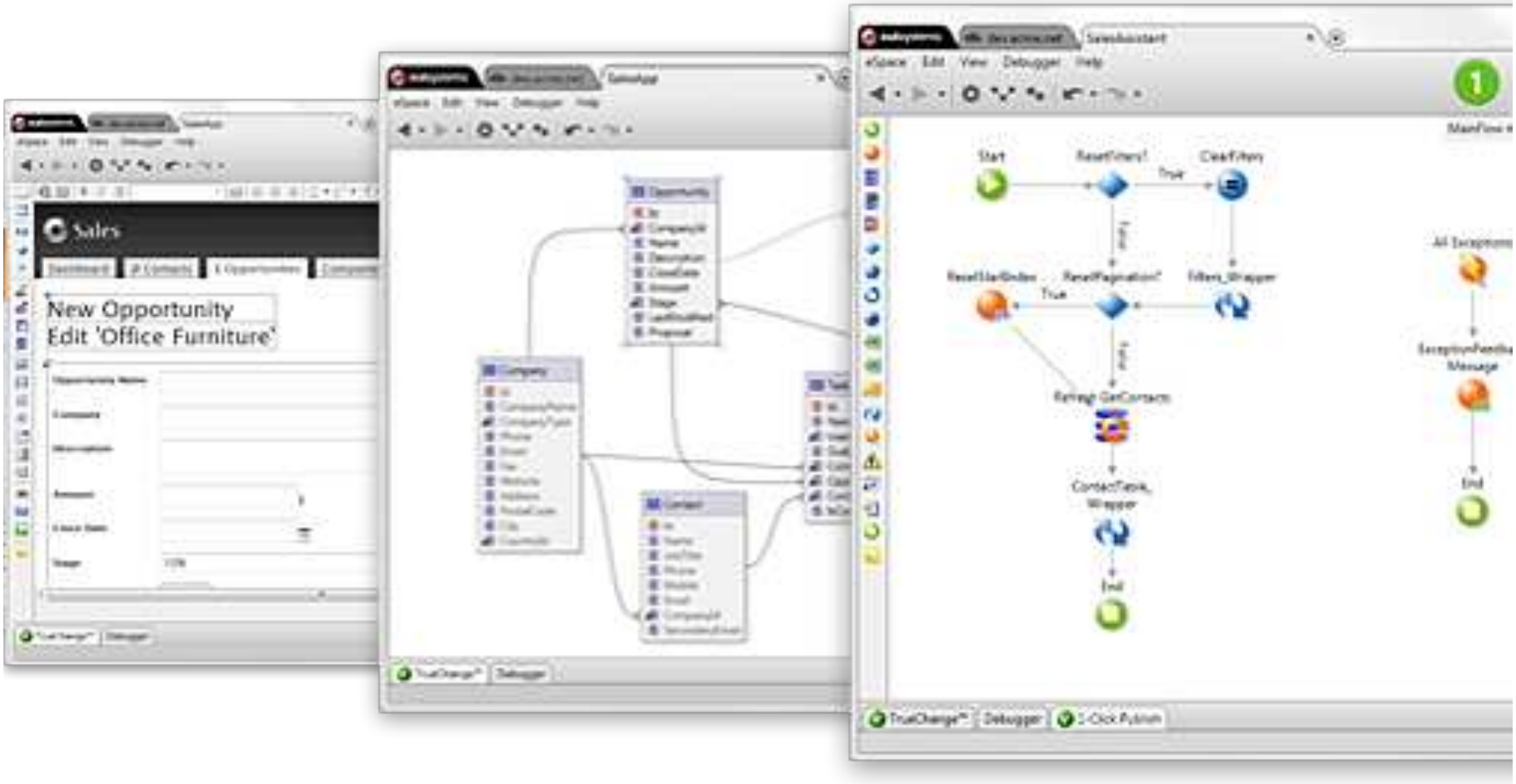
Service Studio



UI **Data** **Logic**

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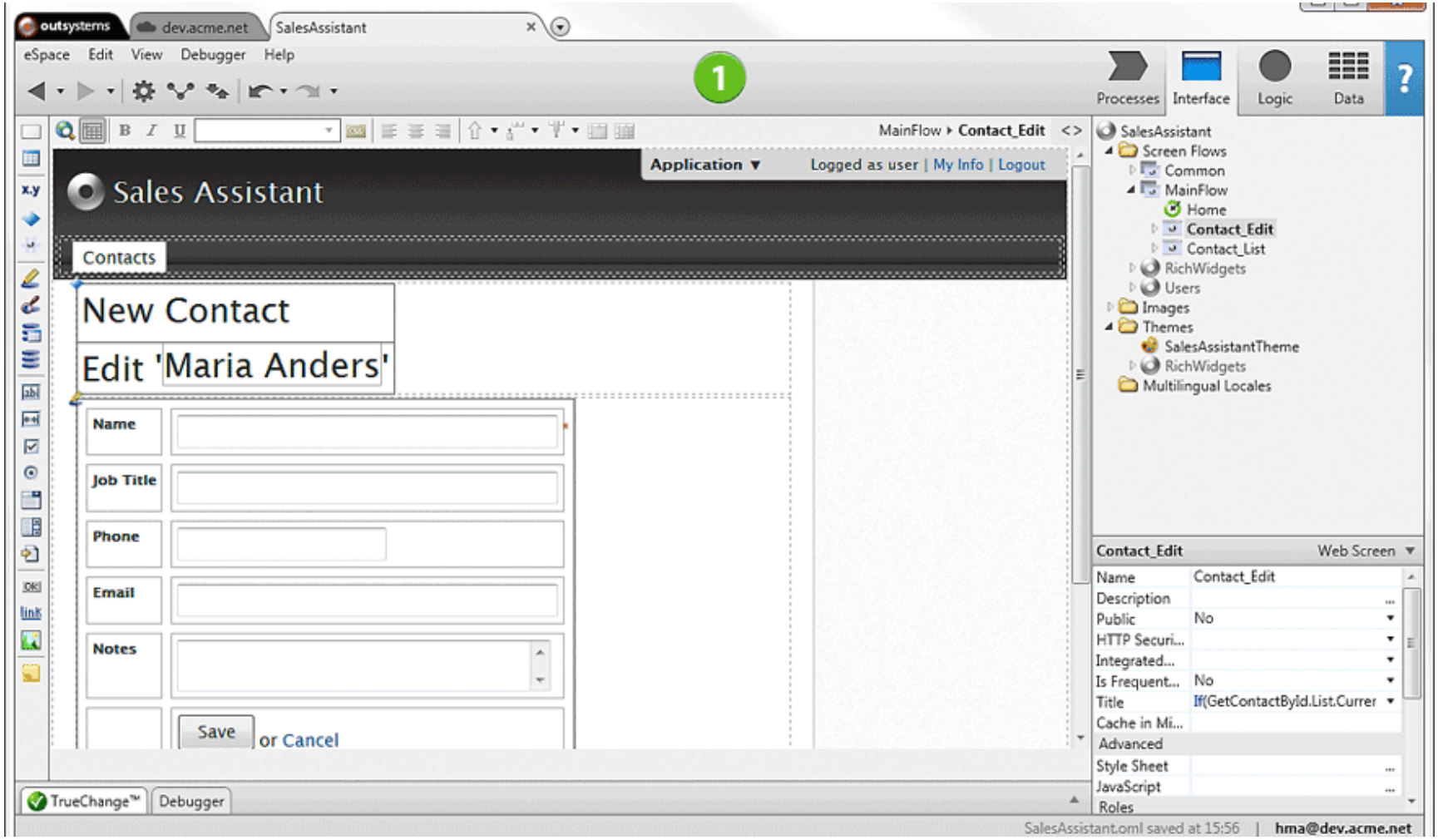
Service Studio: UI



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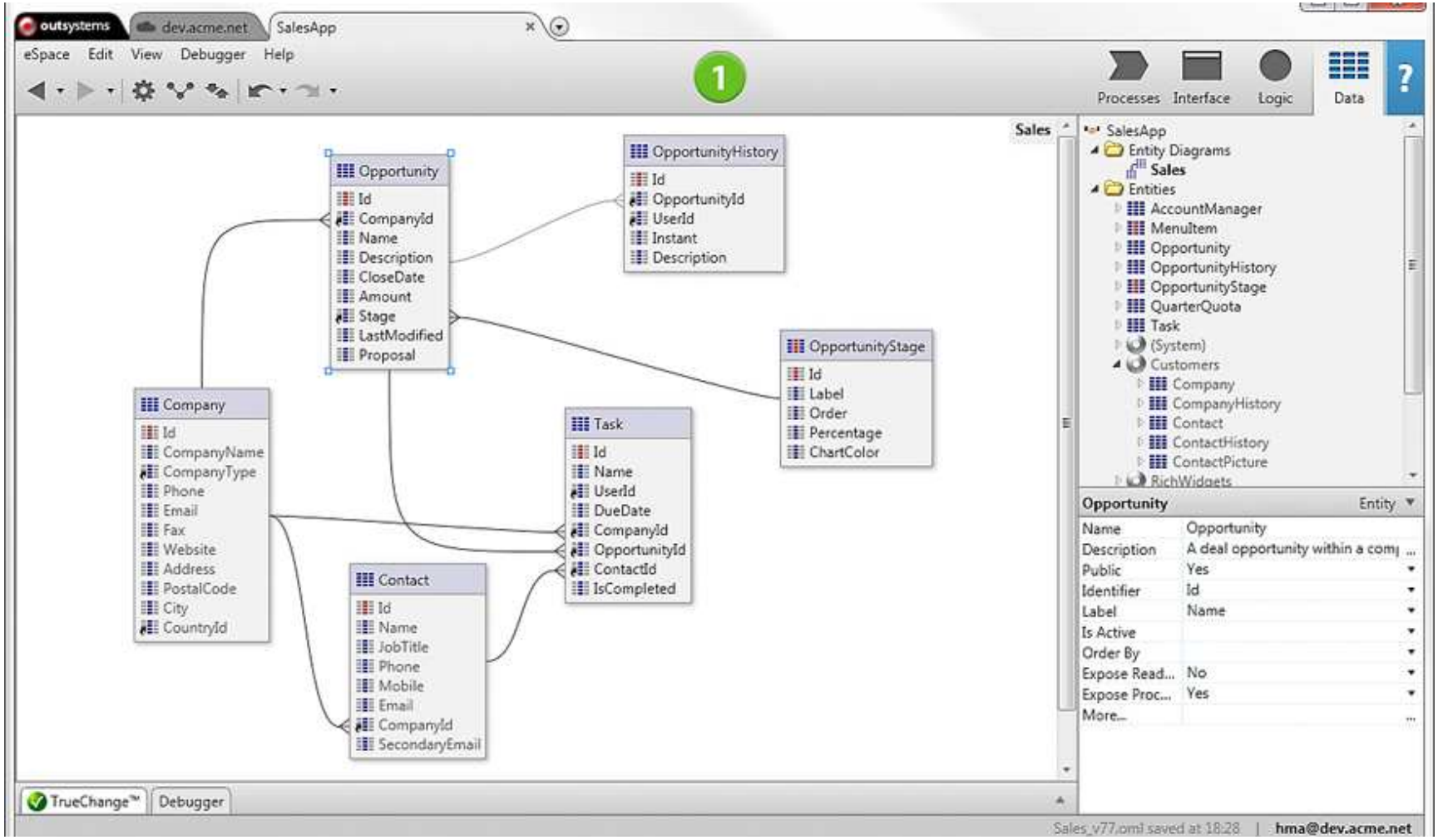
Service Studio: Data



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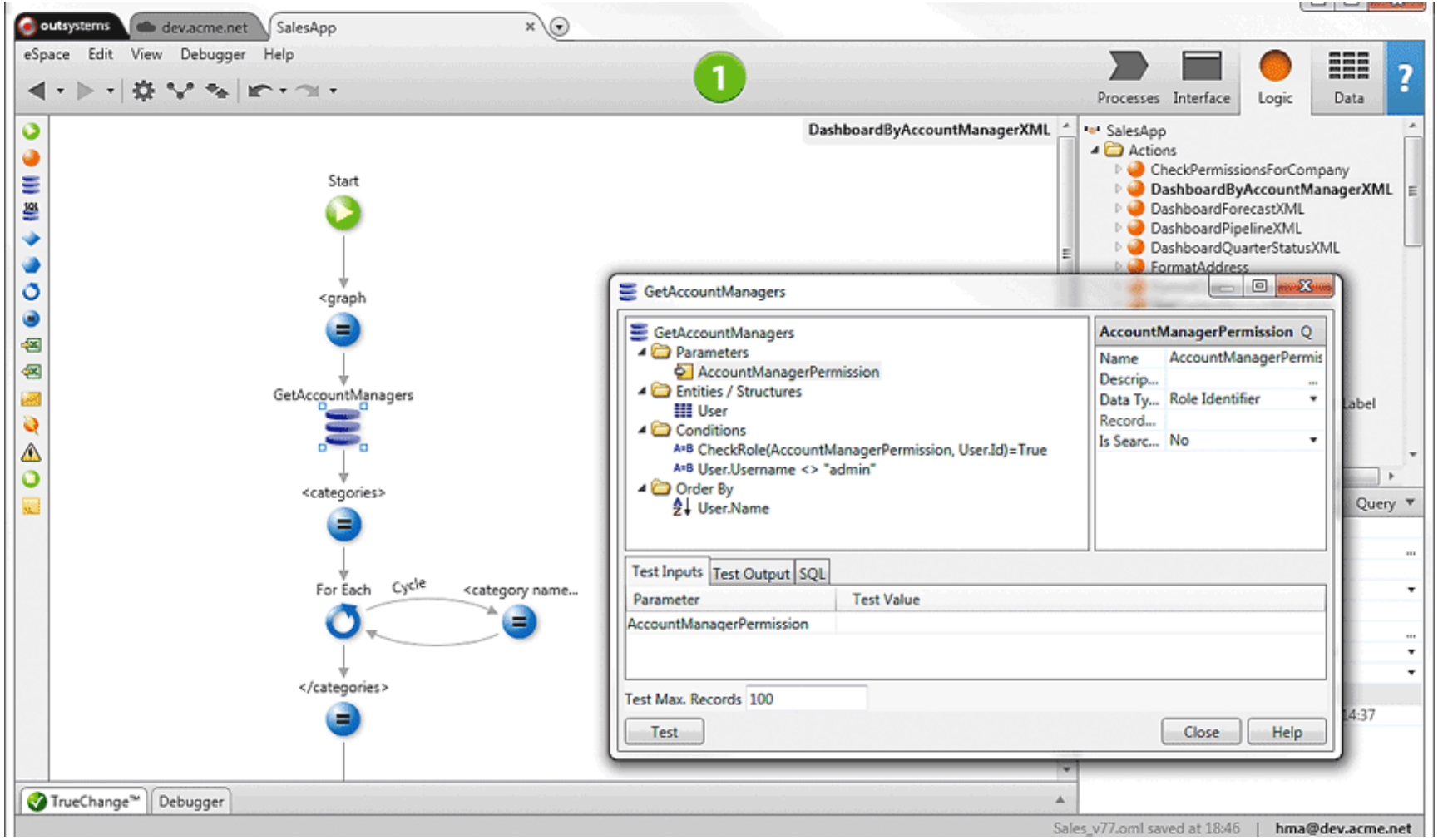
Service Studio: Data #2



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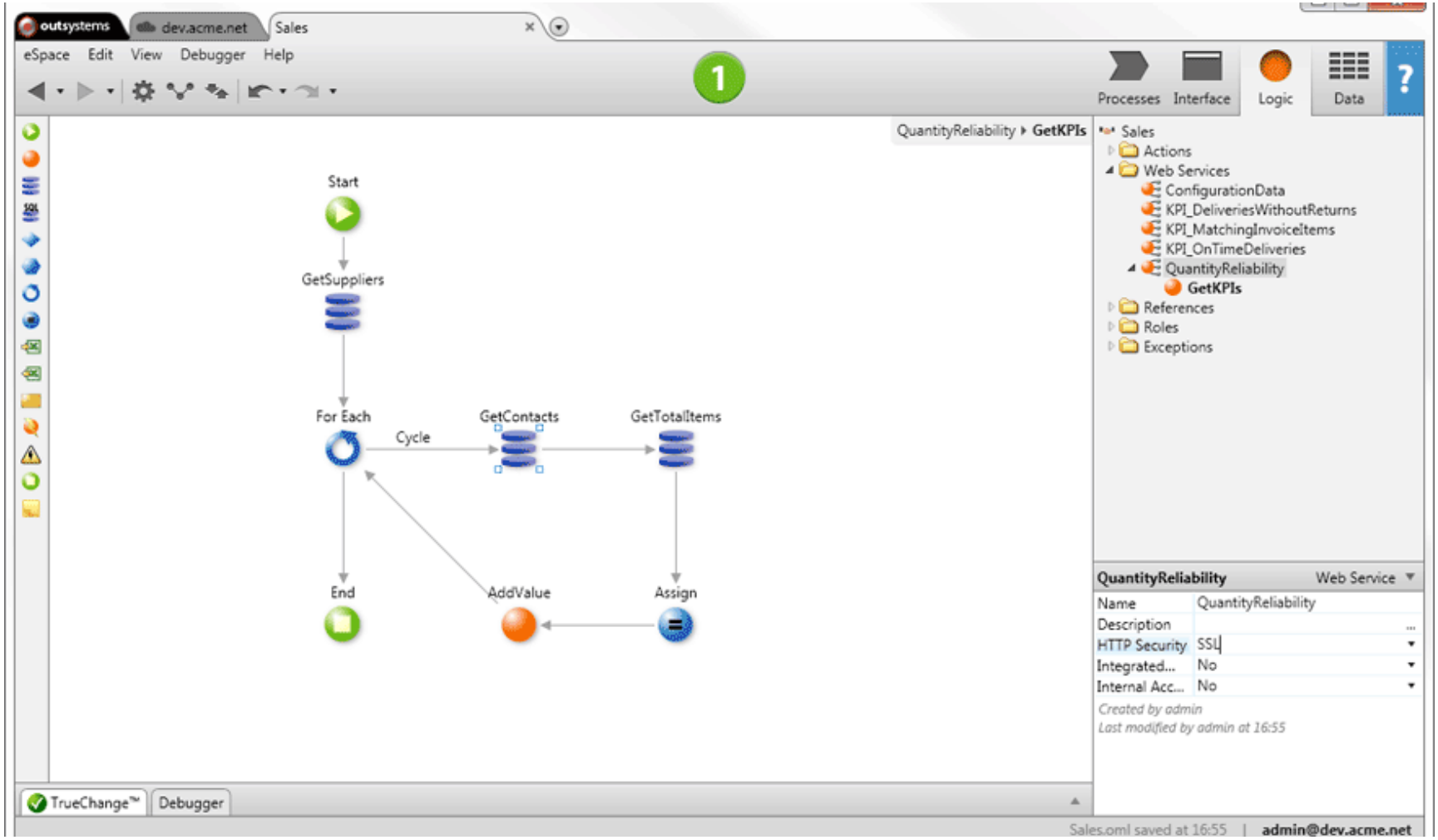
Service Studio: Logic



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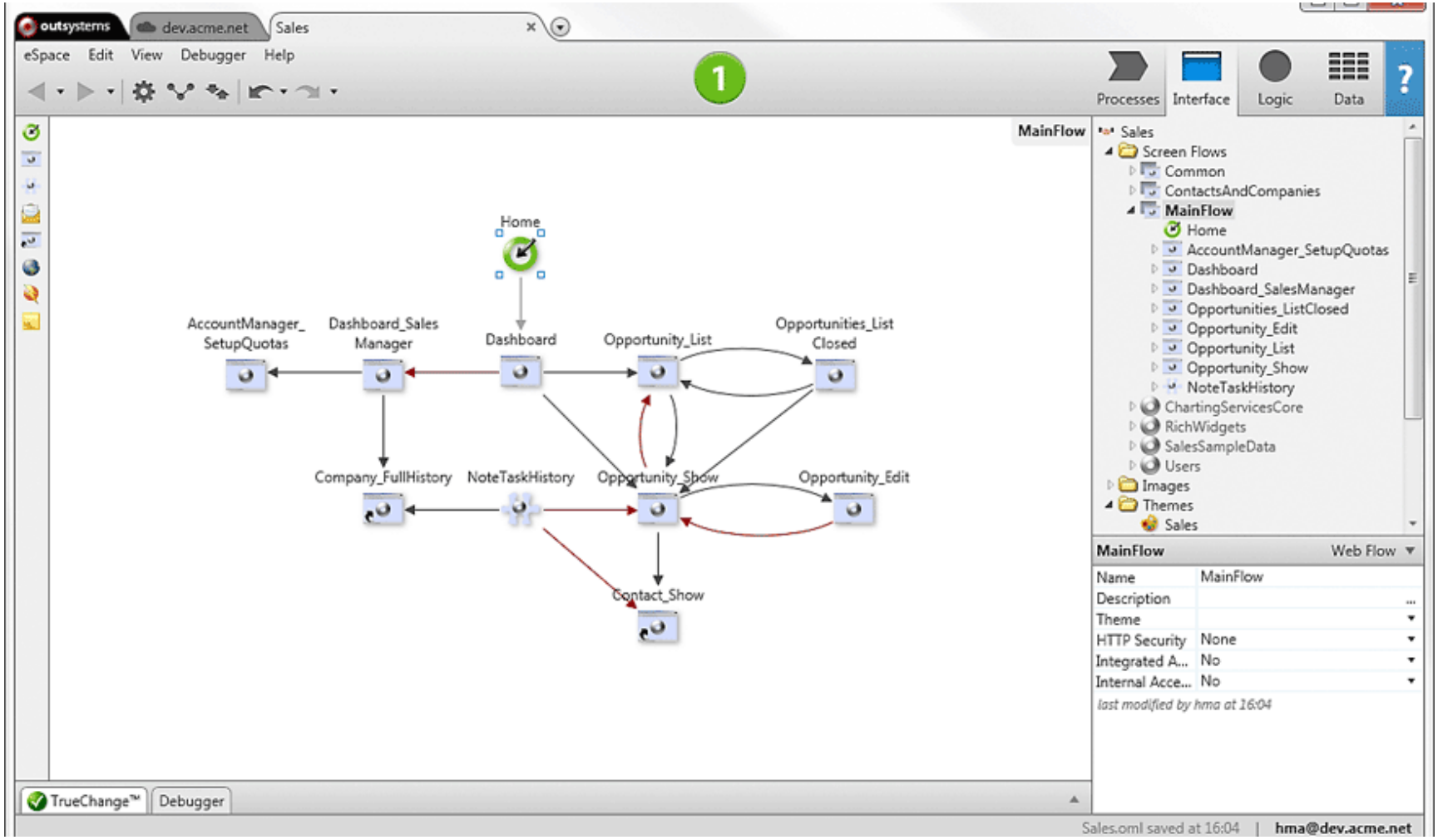
Service Studio: Logic #2



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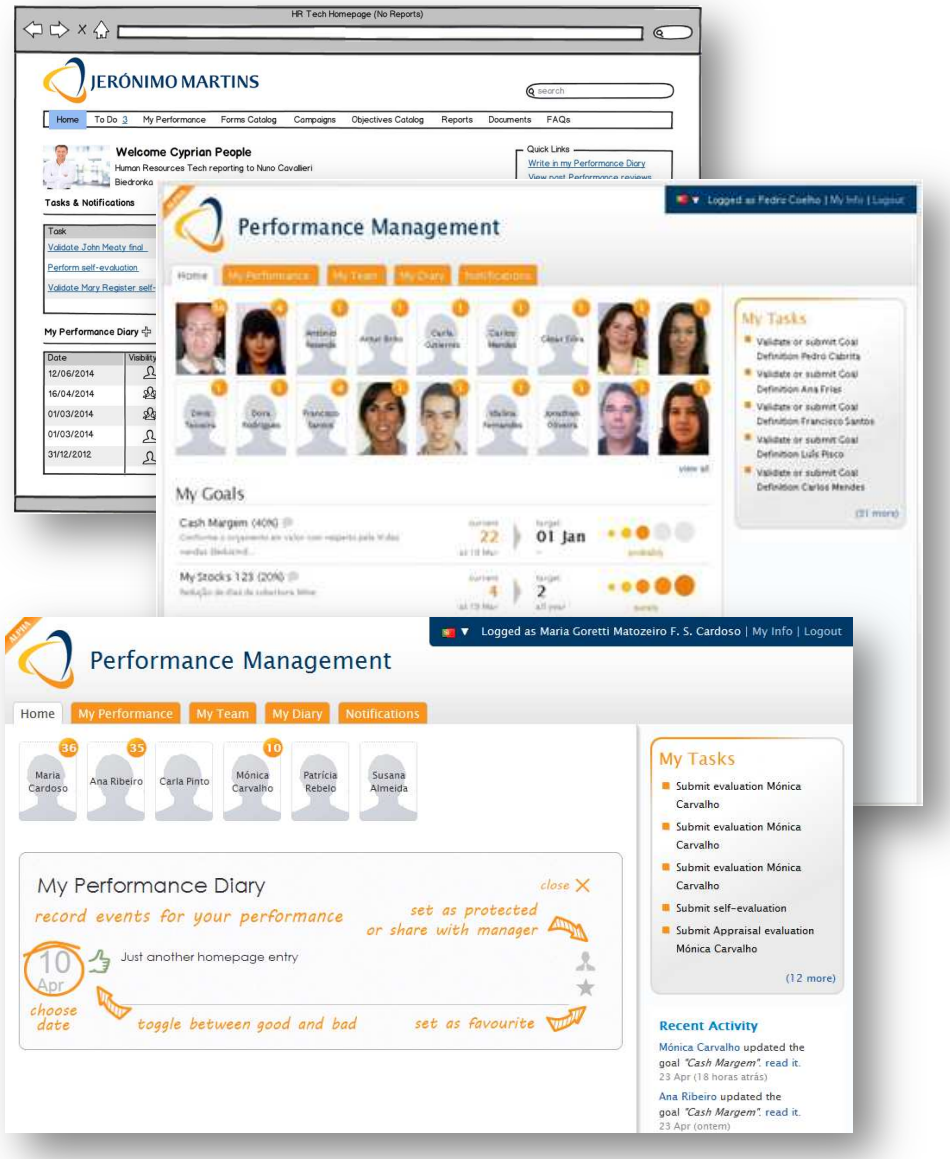
Employee Performance Mgmt.

Agile + Usability Focus = Success



- Wanted to facilitate a cultural shift in employee performance management
- Needed an application that was easy to use and reinforced the desired behavior
- The new application had to support a diverse multi-country user base with different backgrounds
- Strong focus on usability with more than 30 user tests

JERÓNIMO MARTINS

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R&D @ OutSystems

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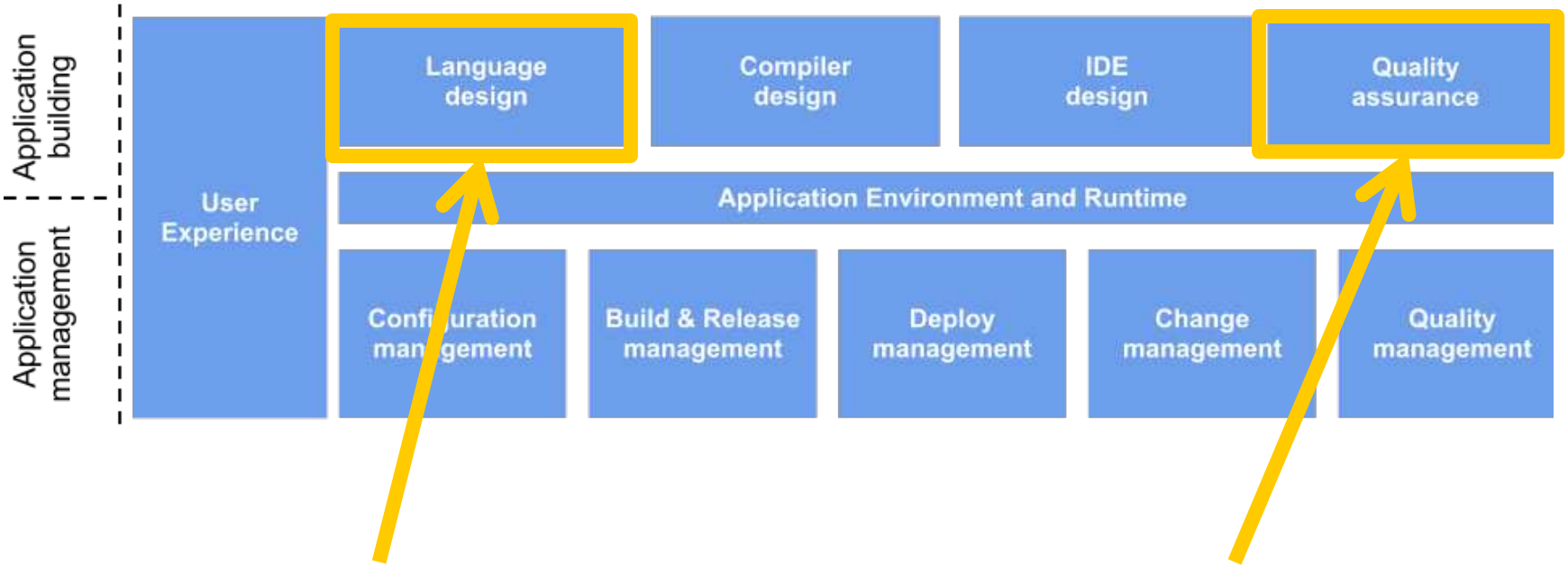
R&D areas



Project #1: Formalization of the OutSystems Visual Language

Project #2: Quality Indicators for Agile Platform Applications

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Project #1: Motivation

Formalization of the OutSystems Visual Language

Visual Language model

- near 500 generated classes
- 150 generated interfaces
- 70 manually-written interfaces

- Model created “organically” as features necessary
- Likely to have redundancy

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Project #1: Tasks

Formalization of the OutSystems Visual Language

- Specification of the language & semantic rules
- Validation of the specification against the IDE
- Contribution with language improvements

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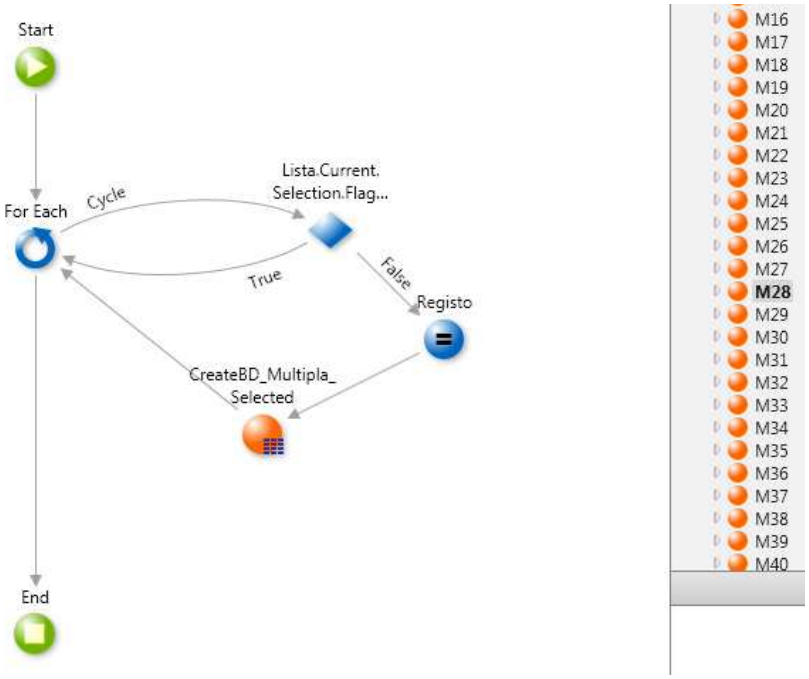
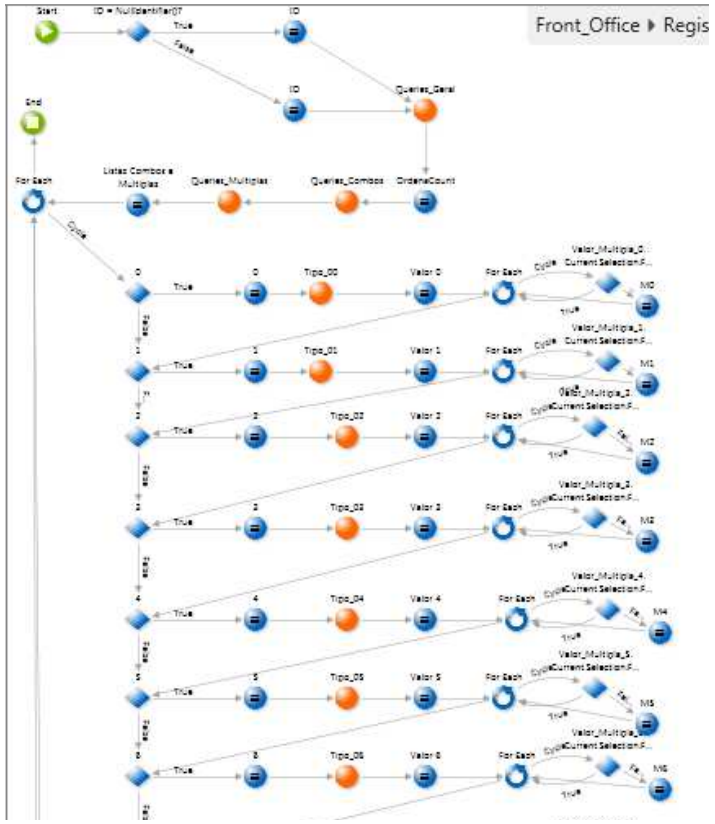
Project #2: Motivation

Quality Indicators for Agile Platform Applications



Simple diagram but there are 50 other exactly the same



Unreadable diagram (image shows 1/5 of overall size)

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Project #2: Tasks

Quality Indicators for Agile Platform Applications

- Selection of software product metrics
- Implementation of prototype tool to collect measurements
- Analysis of metric references

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