goto; conference amsterdam

IT'S MORE THAN JUST THE LANGUAGE

Lúcio Ferrão
OutSystems

2001

Internet Bubble

Paulo Rosado

Select Location-Based Service:
*1 Find Nearest
*2 Directions
*3 Recieve Alert

out
systems

6 Months later

Funded from NeSBIC

2002

Manifesto for Agile Software Development

We are uncovering better ways of developing
software by doing it and helping others do it.
Through this work we have come to value:

Individuals and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

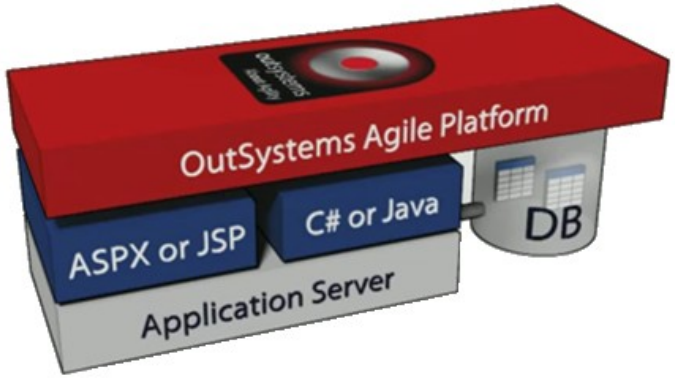
That is, while there is value in the items on
the right, we value the items on the left more.

- Working Software
- Human
- Simple

agileplatform

Development Tool
(service studio)

Operational Console
(service center)



Cloud-Ready Server

Deliver custom enterprise web apps, the better way.

Overview

Fast Development and Change

Enterprise Grade Platform

Standard Architecture

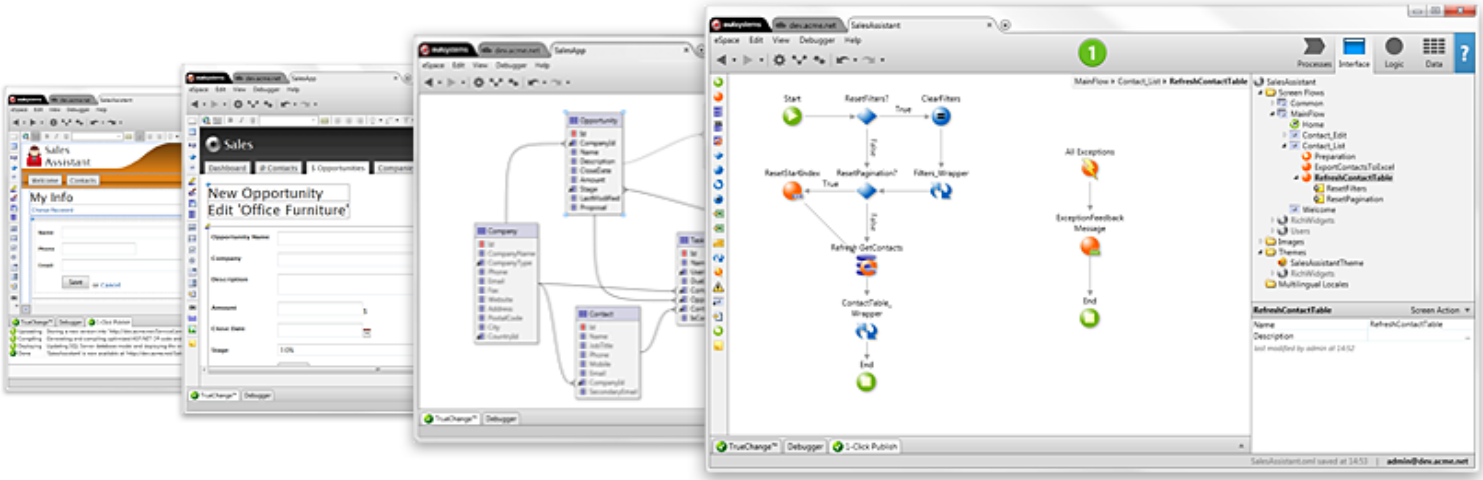
Fit to Your IT Process

Get Started!

Editions and Pricing

Free Download

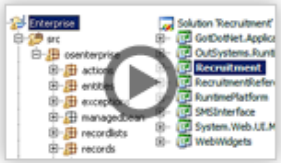
Tutorials and How-tos



The Agile Platform™ allows you to develop and change enterprise web apps faster, on a standard .Net or Java architecture, without locking you into proprietary technology.

Develop and change applications very fast with minimal training

Develop rock solid and secure apps easily, and deploy them in minutes



Integrate and extend your apps using your technology standards

Manage the entire life cycle of your apps using one unified environment

agileplatform

20.900 Installations Worldwide

6.100 Community Members

200 Customers

59 Partners

700 Projects

130 Employees

Demo

Expenses

Create, submit and approve expenses

Log in to your account

Username *

Password *

Remember login

Login

Click to log in as a sample user

Log in as Patricia P. Wesley
Approver

Log in as Eddie R. Riedel
Employee

Log in as Kelsie R. Ramirez
Employee

Log in as Clark G. Parsons
Financial Controller

Built with the OutSystems **agile**platform

Expenses to Approve

Kelsie R. Ramirez	Package decision Submitted: 20 Jun	$5.45
Clark G. Parsons	Startup meeting Submitted: 21 Jun	$11.50
Eddie R. Riedel	Meeting with integrator GlueIt Submitted: 28 Jun	$578.00

See All

New Expense Report

Expense Description

Create

Pending Expenses

No expense reports to show...

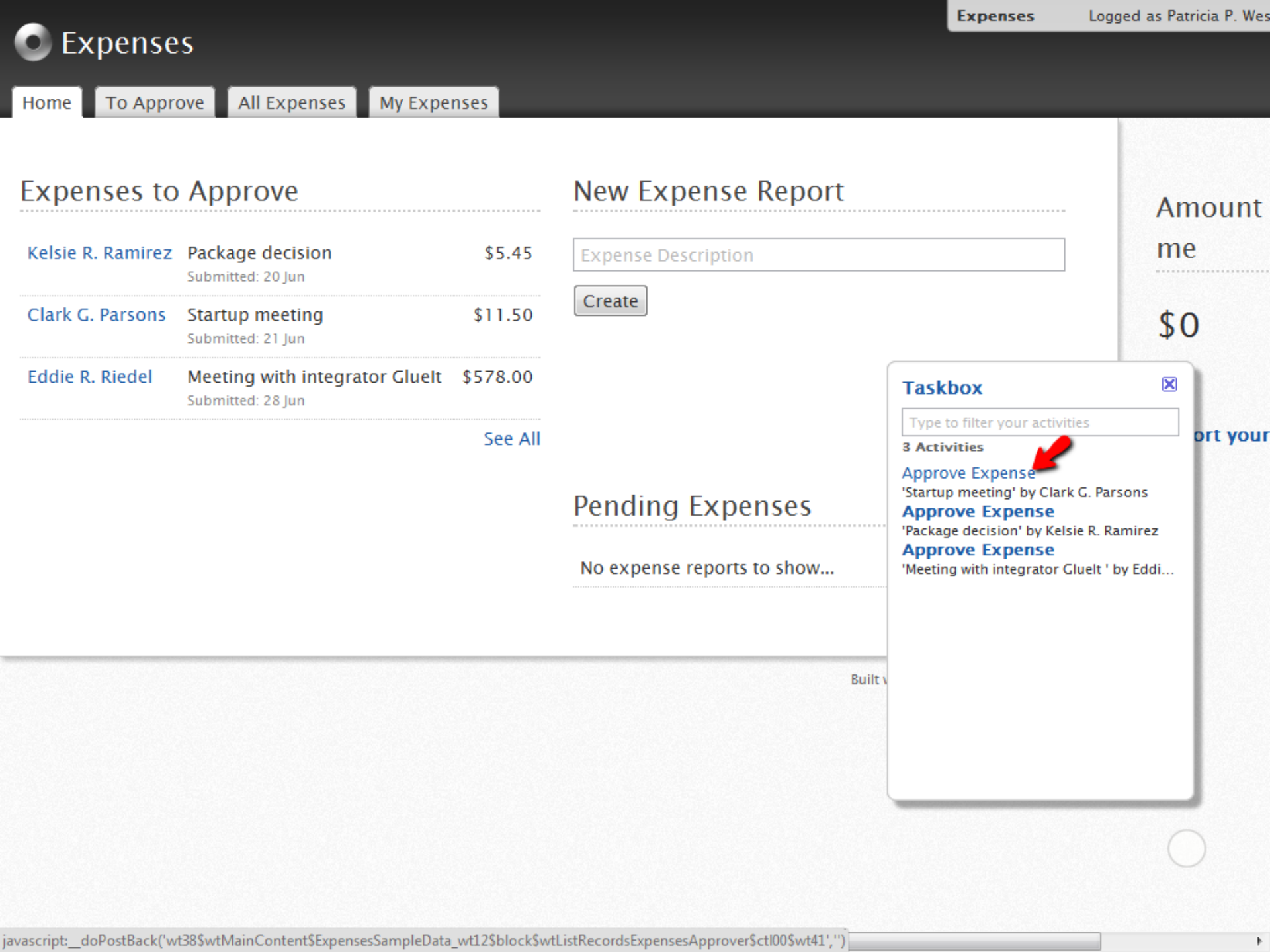
Amount
me

$0

Import your

Built with the OutSystems **agile**platform

3


Expenses
Logged as Patricia P. Wes
Expenses
Home
To Approve
All Expenses
My Expenses
Expenses to Approve
Kelsie R. Ramirez
Package decision
Submitted: 20 Jun
$5.45
Clark G. Parsons
Startup meeting
Submitted: 21 Jun
$11.50
Eddie R. Riedel
Meeting with integrator GlueIt
Submitted: 28 Jun
$578.00
See All
New Expense Report
Expense Description
Create
Pending Expenses
No expense reports to show...
Amount
me
$0
ort your
Taskbox
Type to filter your activities
3 Activities
Approve Expense
'Startup meeting' by Clark G. Parsons
Approve Expense
'Package decision' by Kelsie R. Ramirez
Approve Expense
'Meeting with integrator GlueIt ' by Eddi...
Built
javascript:__doPostBack('wt38$wtMainContent$ExpensesSampleData_wt12$block$wtListRecordsExpensesApprover$ctl00$wt41','')

Startup meeting [Submitted]

by Clark G. Parsons

Submitted on 2011-06-21

#	Date	Type	Amount	Project	Description	Total
1	19 Jun	Other	11.5		Train tickets	$11.50
						$11.50

Approve or Reject

Create New Expense Report

Print

Uploaded Receipts

Train tickets

Approve Expense

'Startup meeting' by Clark G. Parsons

"Review and approve expense report"

Release

Built with the OutSystems agile

javascript:__doPostBack('wt38$wtMainContent$ExpensesSampleData_wt12$block$wtListRecordsExpensesApprover$ctl00$wt41','')

Startup meeting [Submitted]

by Clark G. Parsons

Submitted on 2011-06-21

#	Date	Type	Amount	Total
1	19 Jun	Other	11.5	$11.50
				$11.50

Approve or Reject

Create New Expense Report
Print

Uploaded Receipts

Train tickets

Feedback

1. **Click** on the screen to mark the point you refer in your feedback, if any.
2. **Type** your feedback in the box below.

I need a description for expenses

Send Screen Content

Send

Approve Expense

'Startup meeting' by Clark G. Parsons

"Review and approve expense report"

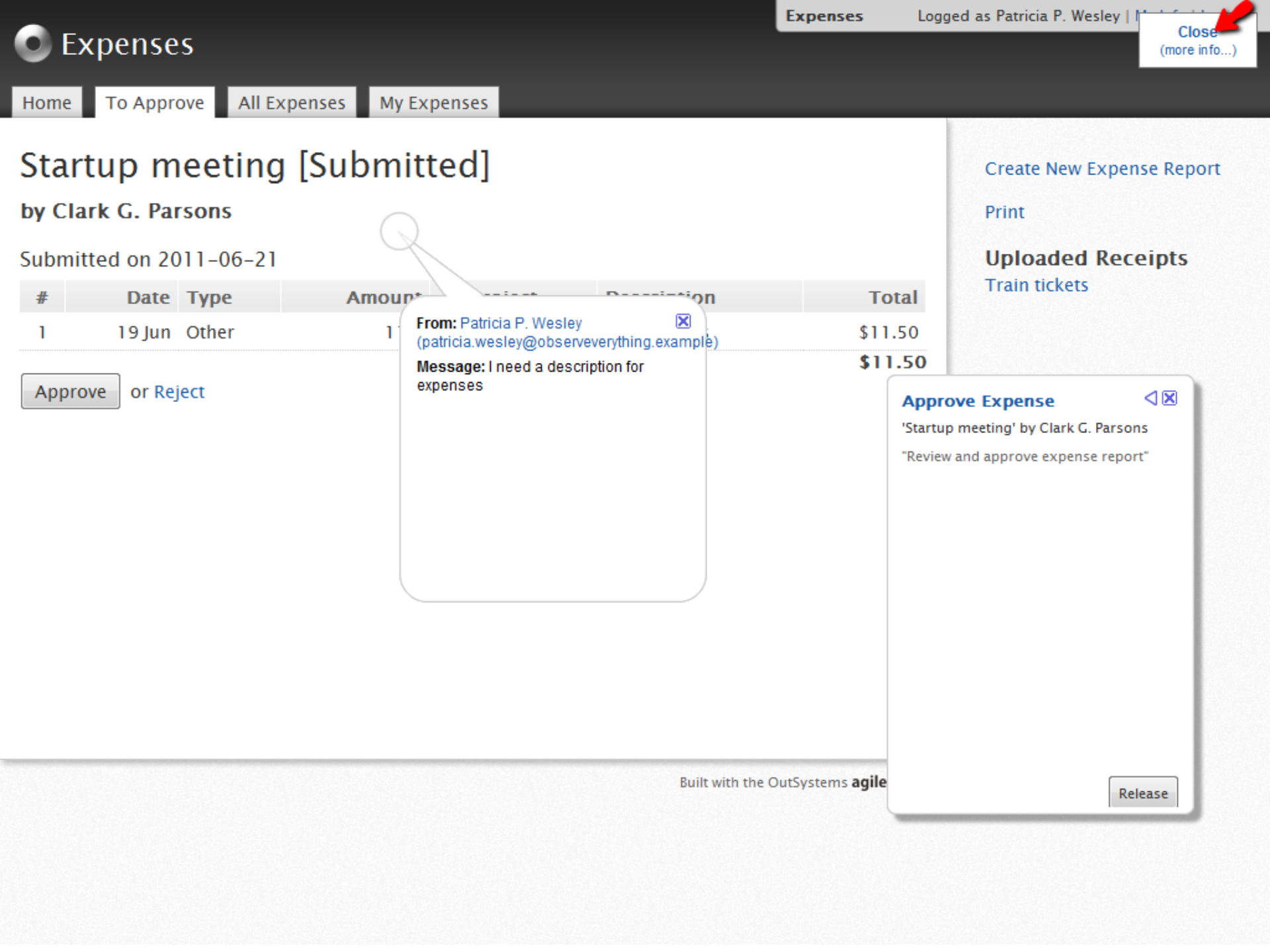
Release

Feedback List

Export to Excel

Search for... in (All fields) Show hidden Search Reset More options... [+]

	Id	Message	User's Name	Submitted at
+ OPEN << HIDE	3	I need a description for expen ... Expenses	Patricia P. Wesley patricia.wesley@observeverything.example	23:37 (just now)


Expenses
Expenses
Logged as Patricia P. Wesley |
Close
(more info...)
Home
To Approve
All Expenses
My Expenses
Startup meeting [Submitted]
by Clark G. Parsons
Submitted on 2011-06-21
Date Type Amount Total
1 19 Jun Other $11.50
$11.50
Approve or Reject
From: Patricia P. Wesley (patricia.wesley@observeverything.example)
Message: I need a description for expenses
Create New Expense Report
Print
Uploaded Receipts
Train tickets
Approve Expense
'Startup meeting' by Clark G. Parsons
"Review and approve expense report"
Release
Built with the OutSystems agile

Feedback List

Export to Ex

Search for... in (All fields) Show hidden Search Reset More options... [+]

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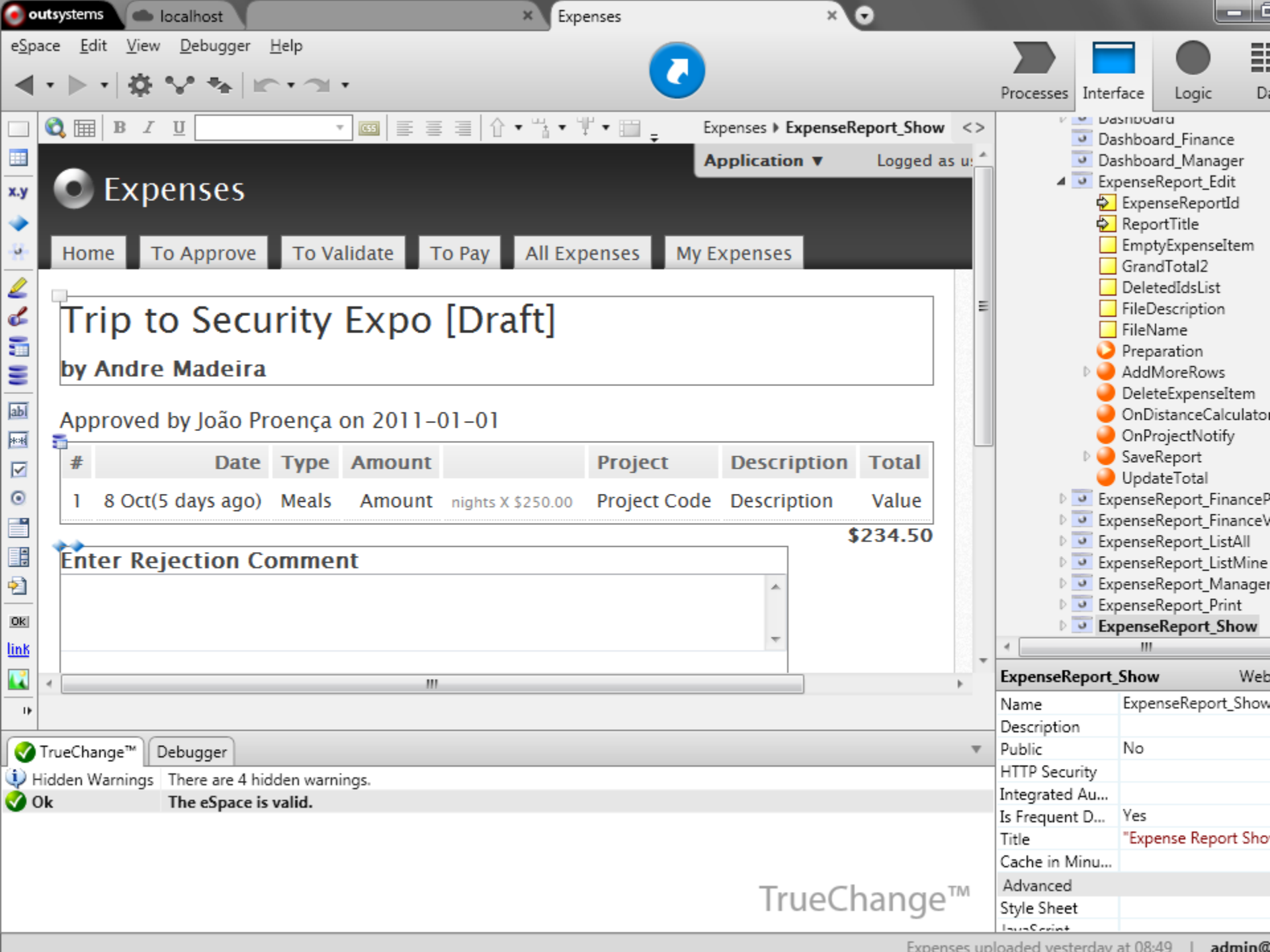
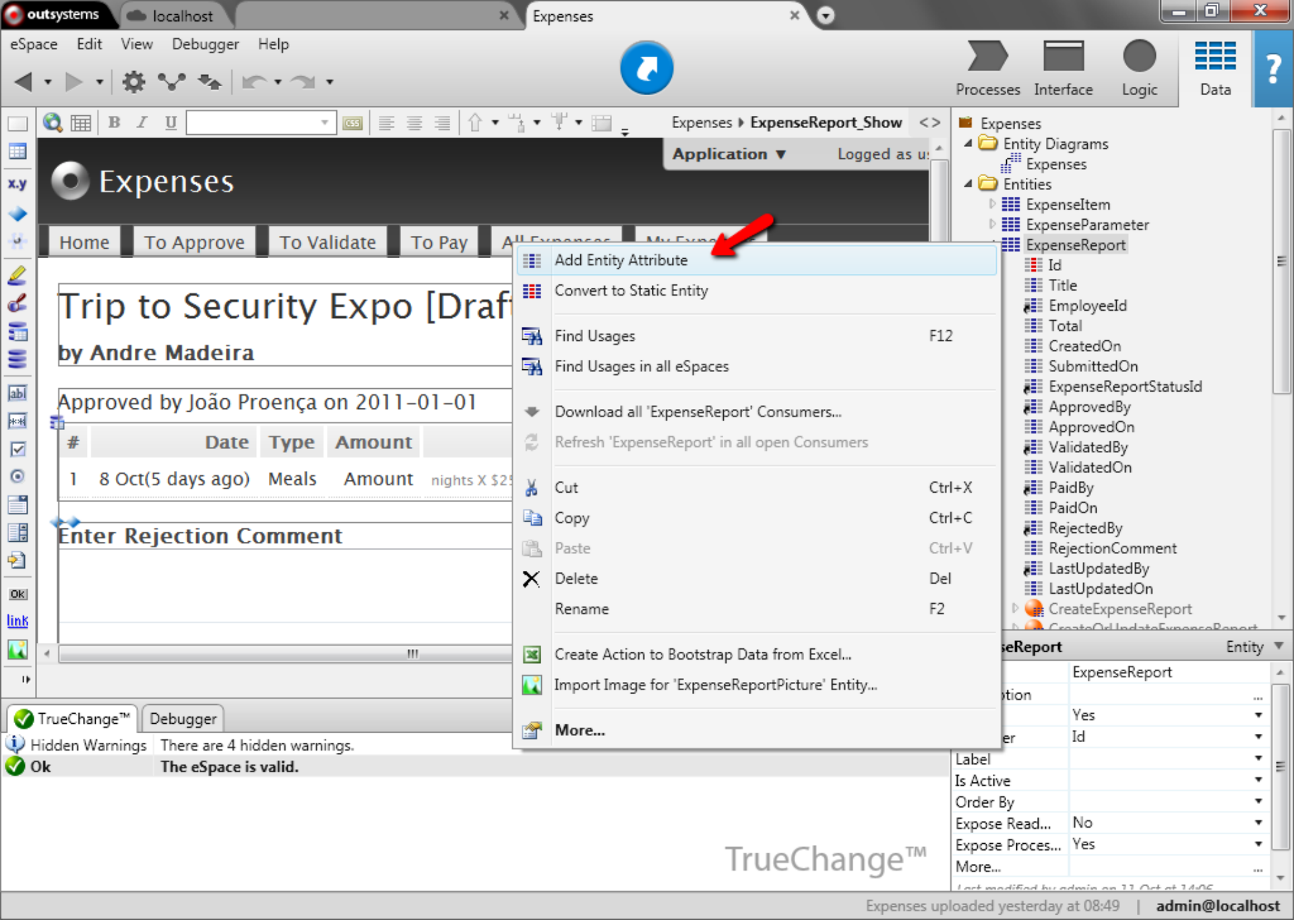
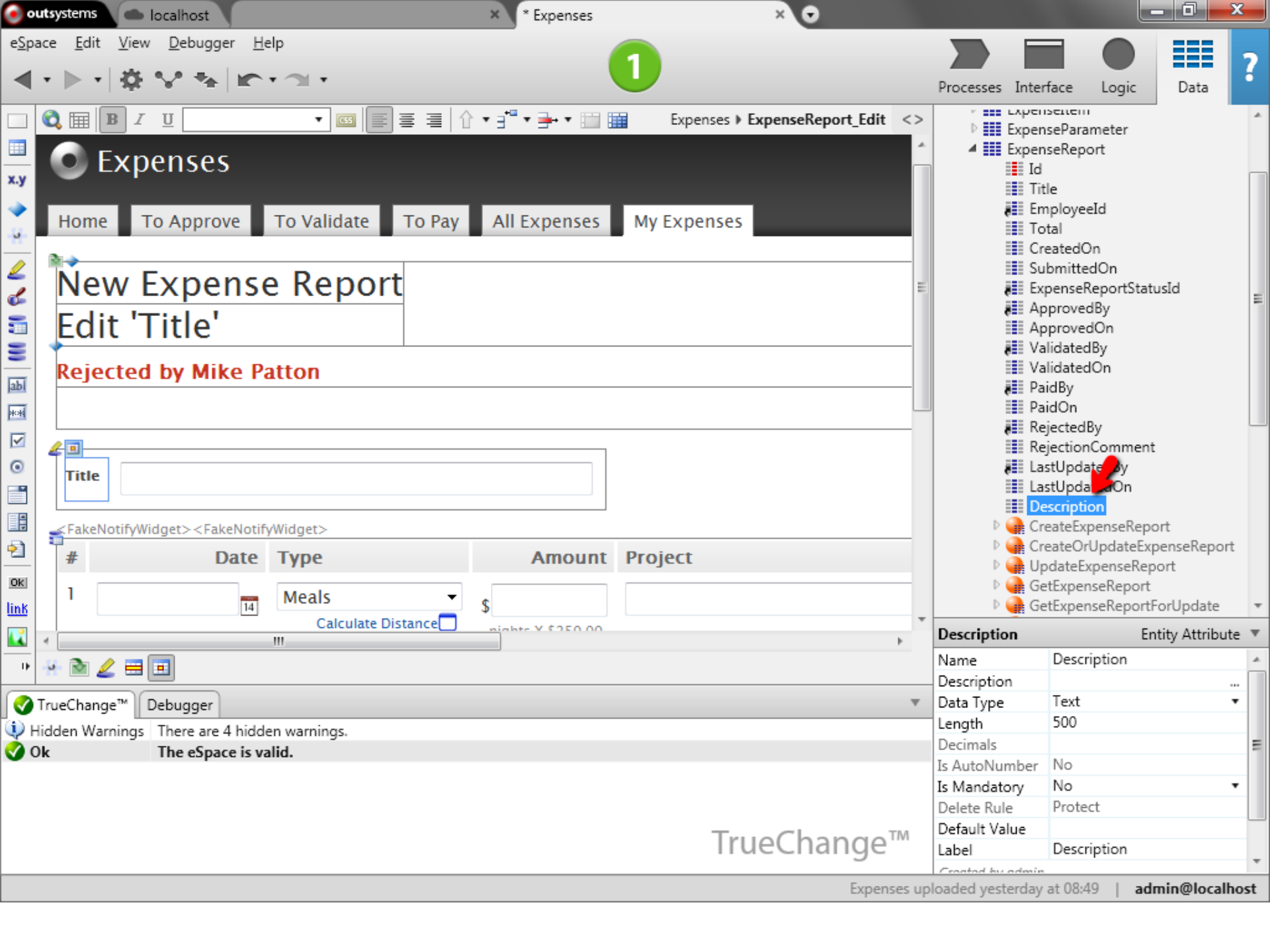
+ OPEN << HIDE	3	I need a description for expen ... Expenses	Patricia P. Wesley patricia.wesley@observeverything.example	23:37 (just now)


outsystems
localhost
Expenses
eSpace Edit View Debugger Help
Processes
Interface
Logic
Expenses ▸ ExpenseReport_Show
Application ▼
Logged as u
Expenses
Home
To Approve
To Validate
To Pay
All Expenses
My Expenses
Trip to Security Expo [Draft]
by Andre Madeira
Approved by João Proença on 2011-01-01
Date Type Amount Project Description Total
1 8 Oct(5 days ago) Meals Amount nights X $250.00 Project Code Description Value
$234.50
Enter Rejection Comment
Dashboard_Finance
Dashboard_Manager
ExpenseReport_Edit
ExpenseReportId
ReportTitle
EmptyExpenseItem
GrandTotal2
DeletedIdsList
FileDescription
FileName
Preparation
AddMoreRows
DeleteExpenseItem
OnDistanceCalculator
OnProjectNotify
SaveReport
UpdateTotal
ExpenseReport_ListAll
ExpenseReport_ListMine
ExpenseReport_Manager
ExpenseReport_Print
ExpenseReport_Show
ExpenseReport_Show
Name ExpenseReport_Show
Description
Public No
HTTP Security
Integrated Au...
Is Frequent D... Yes
Title "Expense Report Sho
Cache in Minu...
Advanced
Style Sheet
TrueChange™
Debugger
Hidden Warnings There are 4 hidden warnings.
Ok The eSpace is valid.
TrueChange™
admin@


outsystems
localhost
Expenses
eSpace Edit View Debugger Help
Processes Interface Logic Data
Expenses ▸ ExpenseReport_Show
Application ▼
Logged as u
Expenses
Home To Approve To Validate To Pay
Trip to Security Expo [Draf
by Andre Madeira
Approved by João Proença on 2011-01-01
Date Type Amount
1 8 Oct(5 days ago) Meals Amount
Enter Rejection Comment
Add Entity Attribute
Convert to Static Entity
Find Usages F12
Find Usages in all eSpaces
Download all 'ExpenseReport' Consumers...
Refresh 'ExpenseReport' in all open Consumers
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Delete Del
Rename F2
Create Action to Bootstrap Data from Excel...
Import Image for 'ExpenseReportPicture' Entity...
More...
Expenses
Entity Diagrams
Expenses
Entities
ExpenseItem
ExpenseParameter
ExpenseReport
Id
Title
EmployeeId
Total
CreatedOn
SubmittedOn
ExpenseReportStatusId
ApprovedBy
ApprovedOn
ValidatedBy
ValidatedOn
PaidBy
PaidOn
RejectedBy
RejectionComment
LastUpdatedBy
LastUpdatedOn
CreateExpenseReport
Entity
ExpenseReport
Yes
Id
Label
Is Active
Order By
Expose Read... No
Expose Proces... Yes
More...
TrueChange™
Debugger
Hidden Warnings There are 4 hidden warnings.
Ok The eSpace is valid.
TrueChange™
Expenses uploaded yesterday at 08:49 | admin@localhost


outsystems
localhost
* Expenses
eSpace Edit View Debugger Help
1
Processes Interface Logic Data
Expenses ▸ ExpenseReport_Edit
Expenses
Home To Approve To Validate To Pay All Expenses My Expenses
New Expense Report
Edit 'Title'
Rejected by Mike Patton
Title
Date Type Amount Project
1
Meals
$
Calculate Distance
ExpenseParameter
ExpenseReport
Id
Title
EmployeeId
Total
CreatedOn
SubmittedOn
ExpenseReportStatusId
ApprovedBy
ApprovedOn
ValidatedBy
ValidatedOn
PaidBy
PaidOn
RejectedBy
RejectionComment
Description
CreateExpenseReport
CreateOrUpdateExpenseReport
UpdateExpenseReport
GetExpenseReport
GetExpenseReportForUpdate
Description Entity Attribute
Name Description
Description
Data Type Text
Length 500
Decimals
Is AutoNumber No
Is Mandatory No
Delete Rule Protect
Default Value
Label Description
TrueChange™ Debugger
Hidden Warnings There are 4 hidden warnings.
Ok The eSpace is valid.
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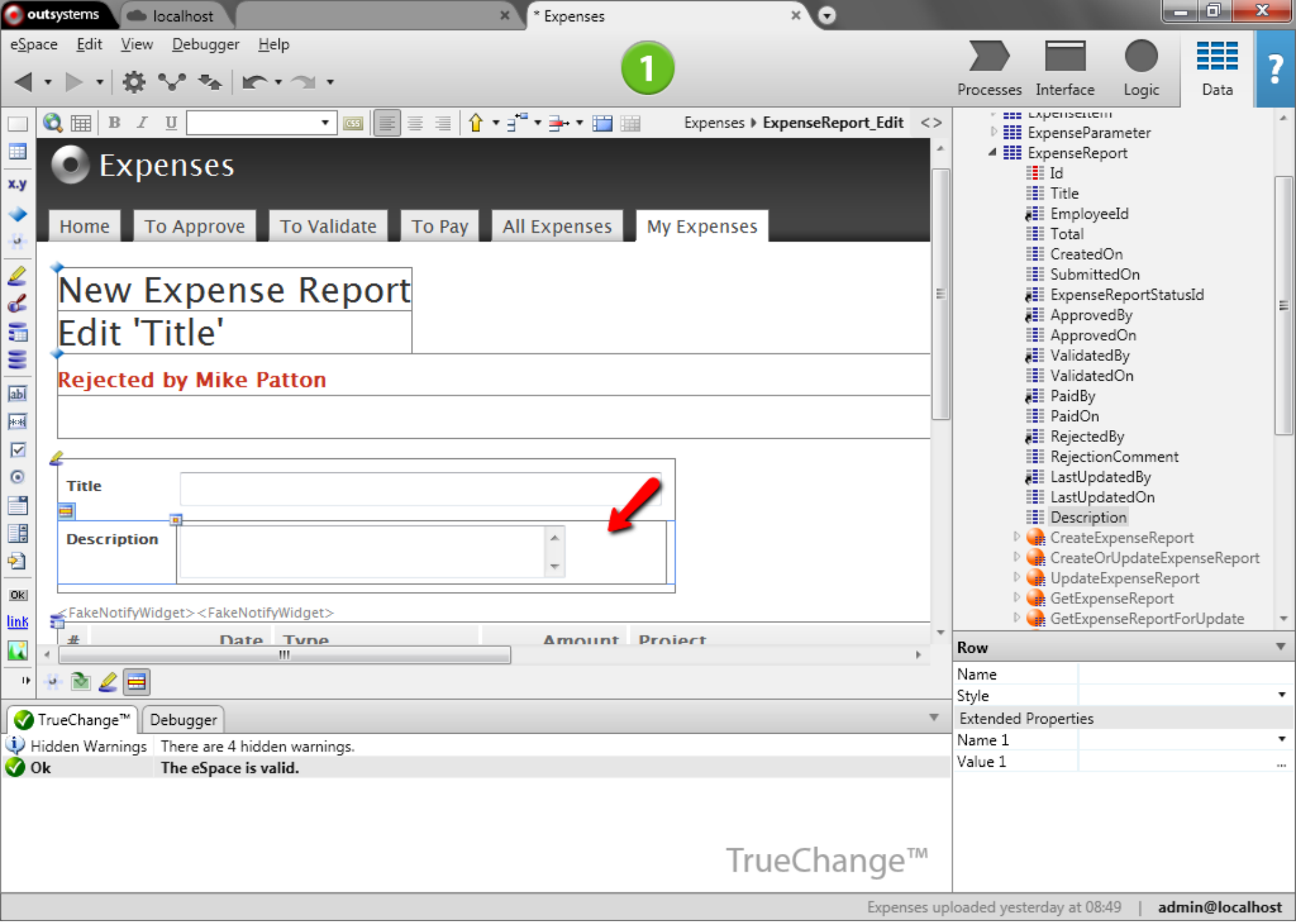
outsystems
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eSpace Edit View Debugger Help
1
Processes Interface Logic Data
Expenses ▸ ExpenseReport_Edit
Expenses
Home To Approve To Validate To Pay All Expenses My Expenses
New Expense Report
Edit 'Title'
Rejected by Mike Patton
Title
Description
ExpenseParameter
ExpenseReport
Id
Title
EmployeeId
Total
CreatedOn
SubmittedOn
ExpenseReportStatusId
ApprovedBy
ApprovedOn
ValidatedBy
ValidatedOn
PaidBy
PaidOn
RejectedBy
RejectionComment
LastUpdatedBy
LastUpdatedOn
Description
CreateExpenseReport
CreateOrUpdateExpenseReport
UpdateExpenseReport
GetExpenseReport
GetExpenseReportForUpdate
Row
Name
Style
Extended Properties
Name 1
Value 1
TrueChange™
Debugger
Hidden Warnings
There are 4 hidden warnings.
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The eSpace is valid.
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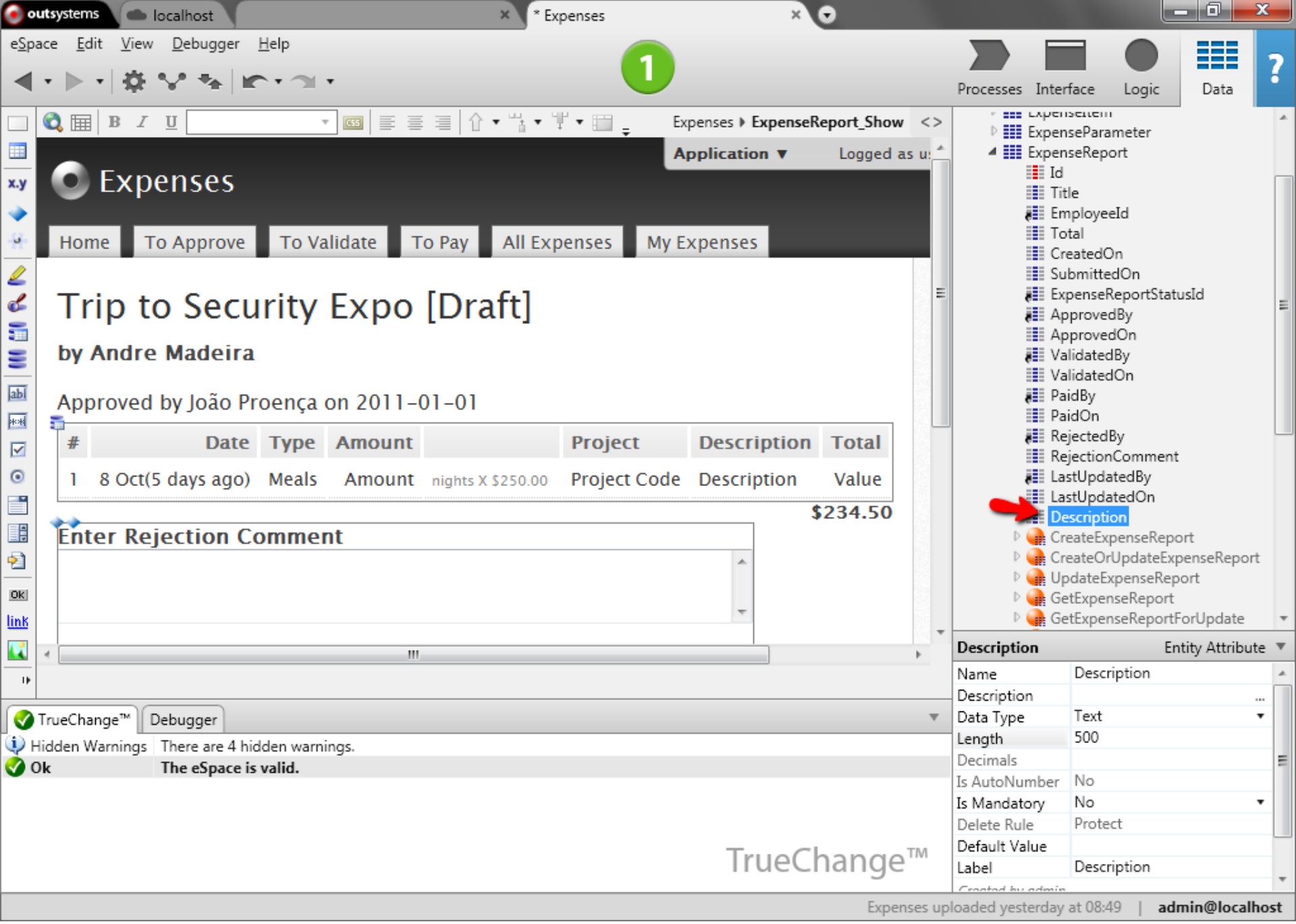
outsystems
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eSpace Edit View Debugger Help
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Expenses ▸ ExpenseReport_Show
Application ▼
Expenses
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ExpenseParameter
ExpenseReport
Id
Title
EmployeeId
Total
CreatedOn
SubmittedOn
ExpenseReportStatusId
ApprovedBy
ApprovedOn
ValidatedBy
ValidatedOn
PaidBy
PaidOn
RejectedBy
RejectionComment
LastUpdatedBy
LastUpdatedOn
Description
CreateExpenseReport
CreateOrUpdateExpenseReport
UpdateExpenseReport
GetExpenseReport
GetExpenseReportForUpdate
Description Entity Attribute
Name Description
Description
Data Type Text
Length 500
Decimals
Is AutoNumber No
Is Mandatory No
Delete Rule Protect
Default Value
Label Description
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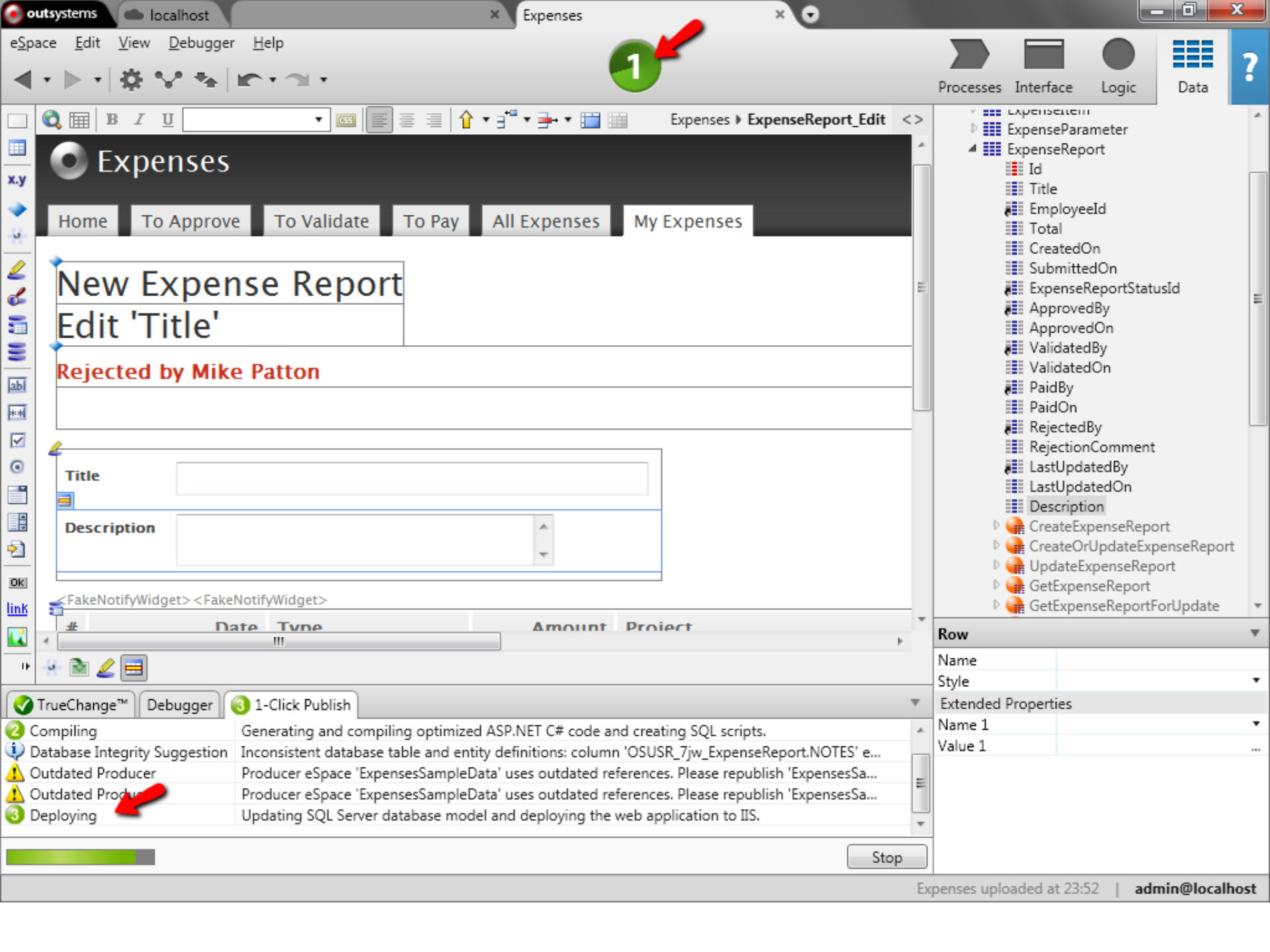
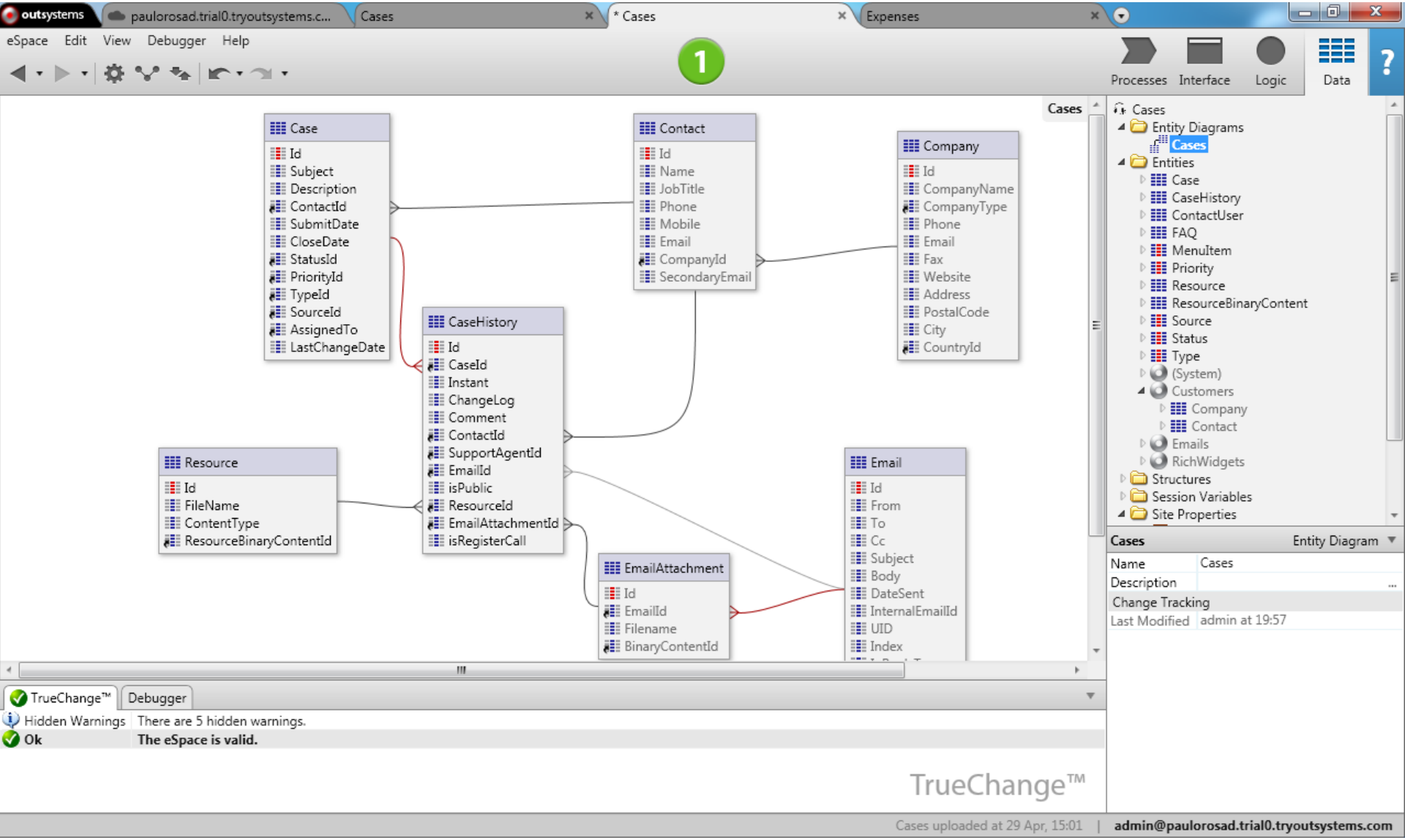
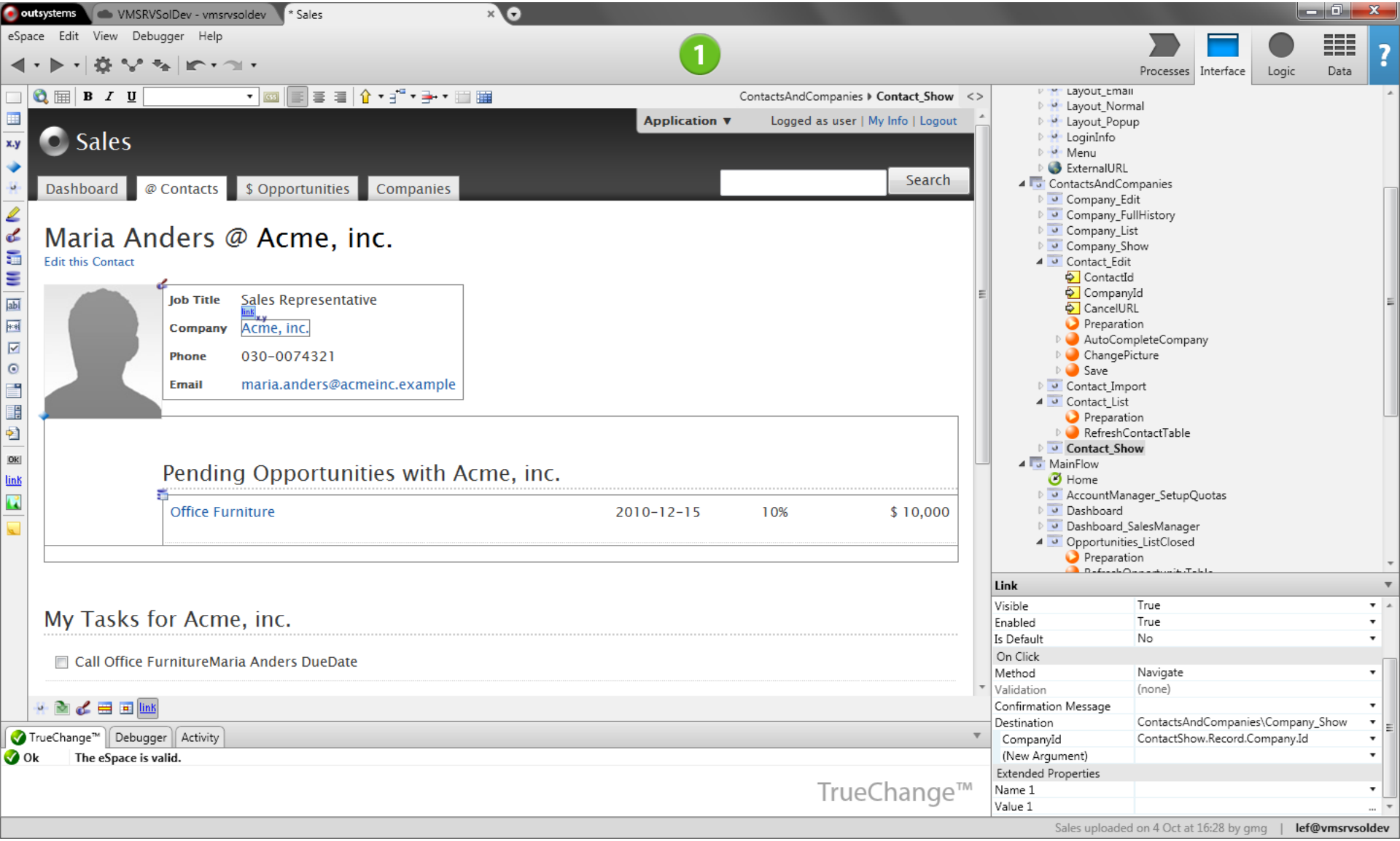

outsystems
localhost
Expenses
eSpace Edit View Debugger Help
1
Processes Interface Logic Data
Expenses ▸ ExpenseReport_Edit
Expenses
Home To Approve To Validate To Pay All Expenses My Expenses
New Expense Report
Edit 'Title'
Rejected by Mike Patton
Title
Description
ExpenseParameter
ExpenseReport
Id
Title
EmployeeId
Total
CreatedOn
SubmittedOn
ExpenseReportStatusId
ApprovedBy
ApprovedOn
ValidatedBy
ValidatedOn
PaidBy
PaidOn
RejectedBy
RejectionComment
LastUpdatedBy
LastUpdatedOn
Description
CreateExpenseReport
CreateOrUpdateExpenseReport
UpdateExpenseReport
GetExpenseReport
GetExpenseReportForUpdate
Row
Name
Style
Extended Properties
Name 1
Value 1
TrueChange™
Debugger
1-Click Publish
Compiling
Generating and compiling optimized ASP.NET C# code and creating SQL scripts.
Database Integrity Suggestion
Inconsistent database table and entity definitions: column 'OSUSR_7jw_ExpenseReport.NOTES' e...
Outdated Producer
Producer eSpace 'ExpensesSampleData' uses outdated references. Please republish 'ExpensesSa...
Outdated Produ
Producer eSpace 'ExpensesSampleData' uses outdated references. Please republish 'ExpensesSa...
Deploying
Updating SQL Server database model and deploying the web application to IIS.
Stop
Expenses uploaded at 23:52
admin@localhost

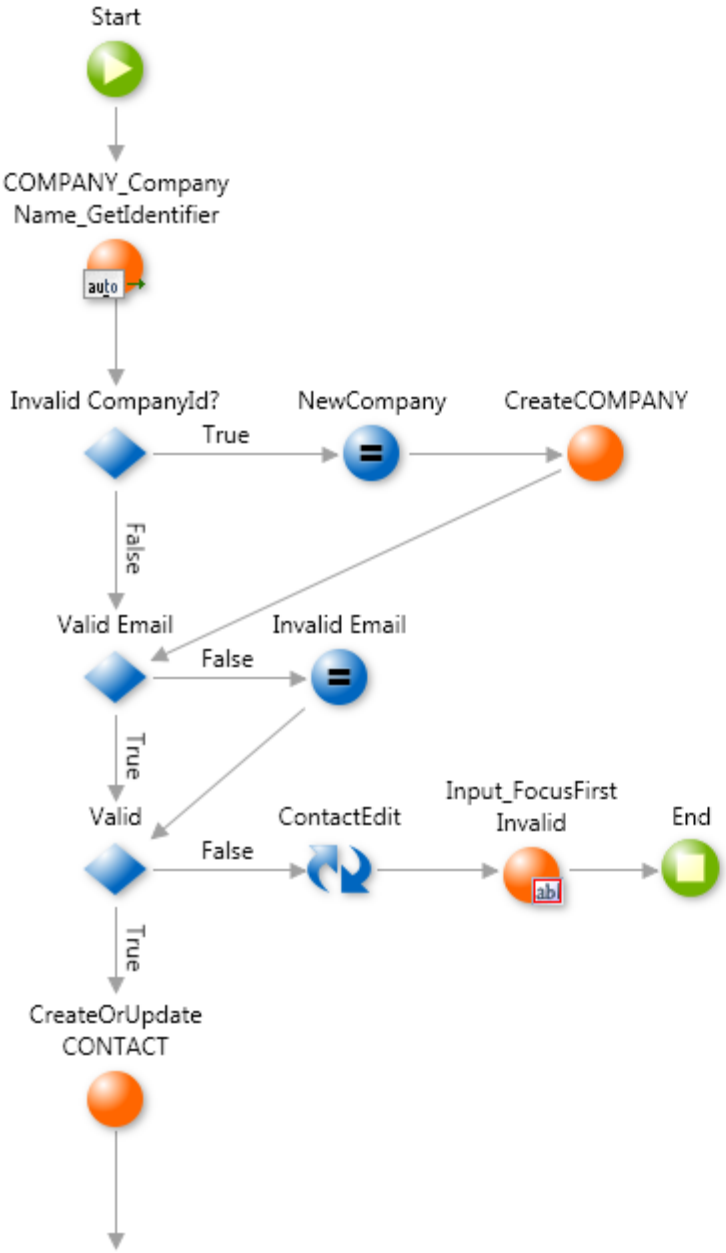
Visual Database Model

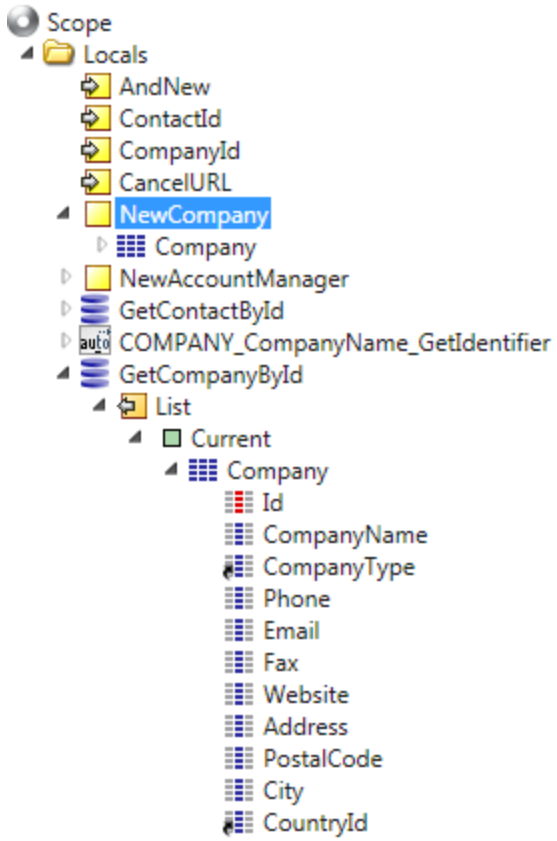


Visual User Interface Editor

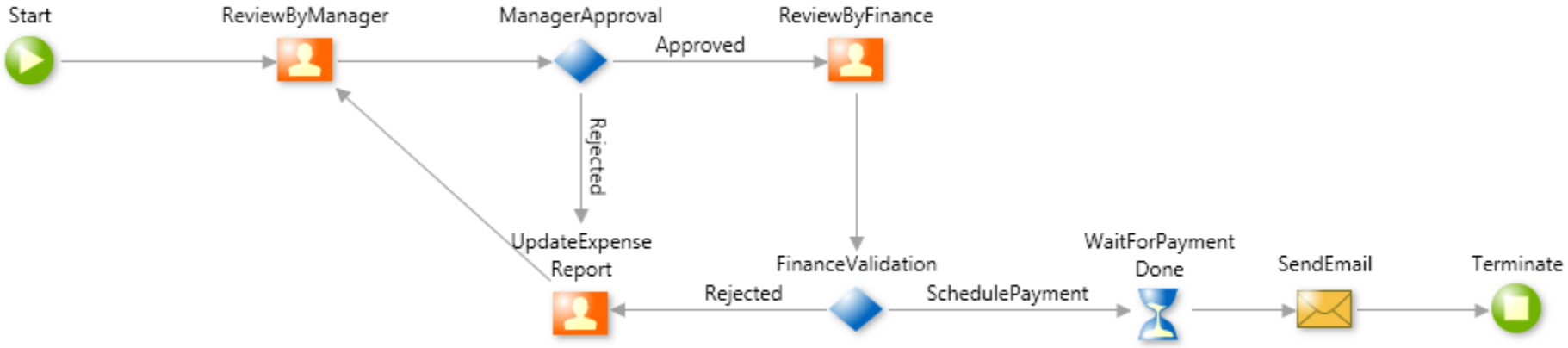


Visual Business Logic (Code)

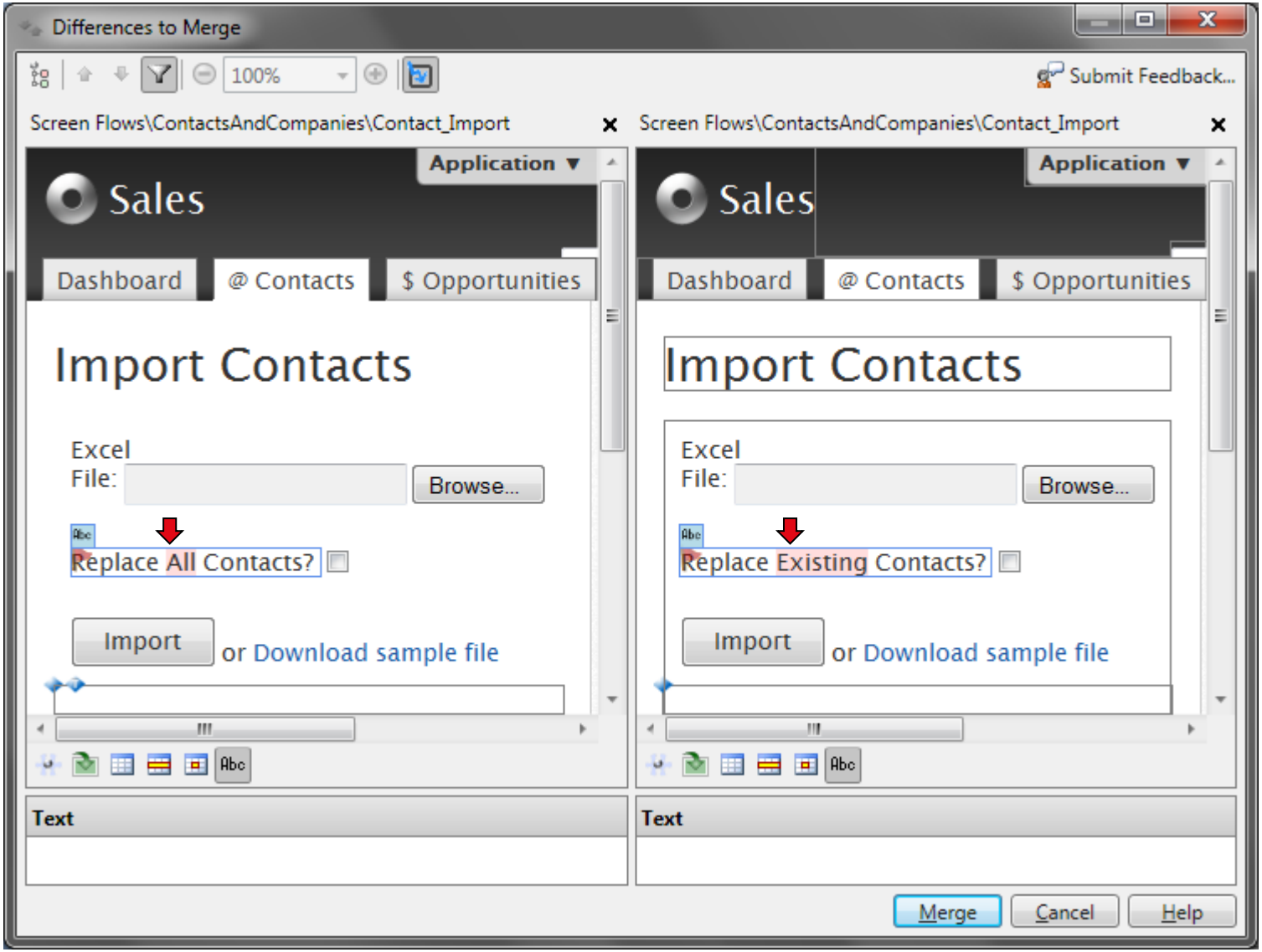




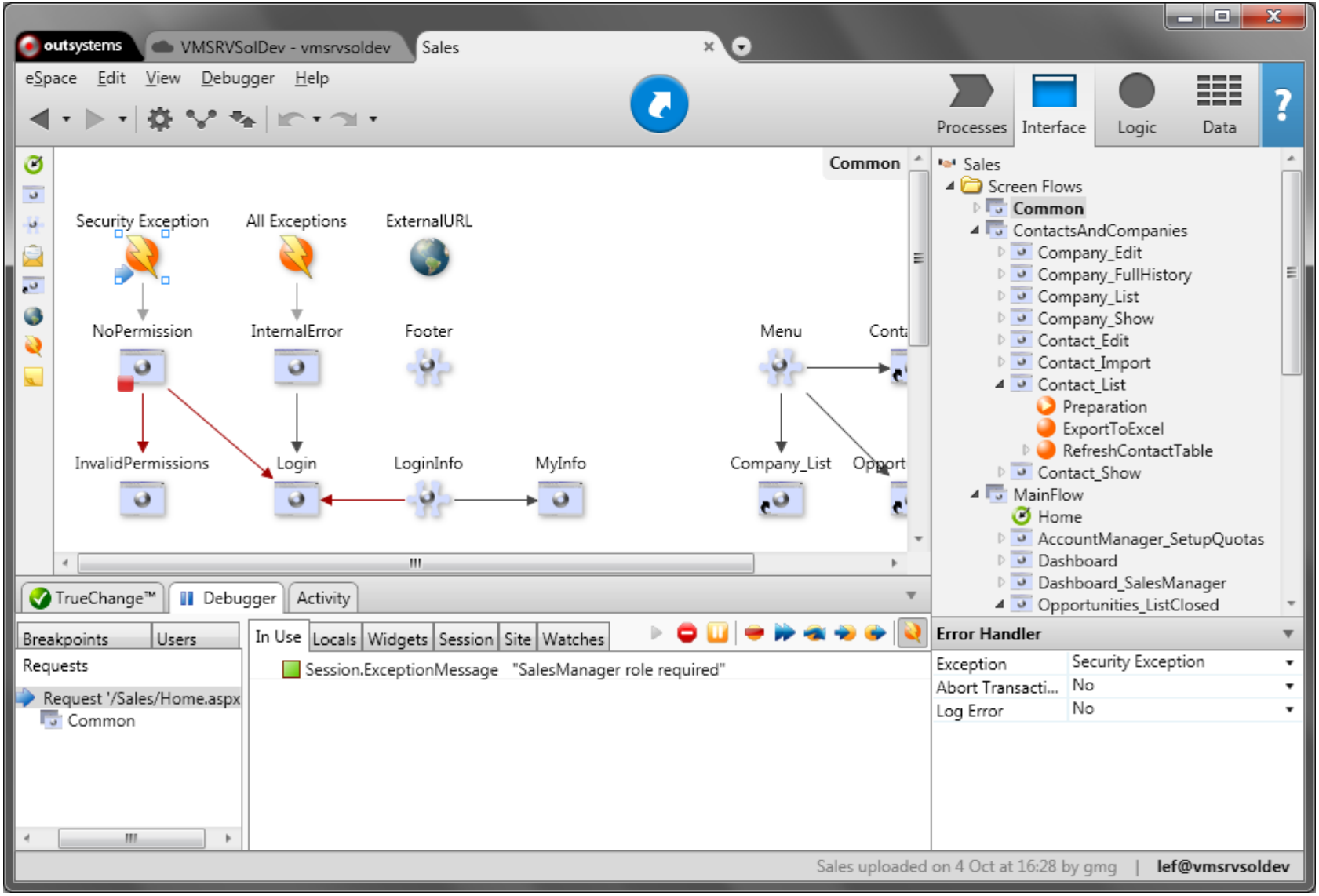
Visual Process Workflow Editor



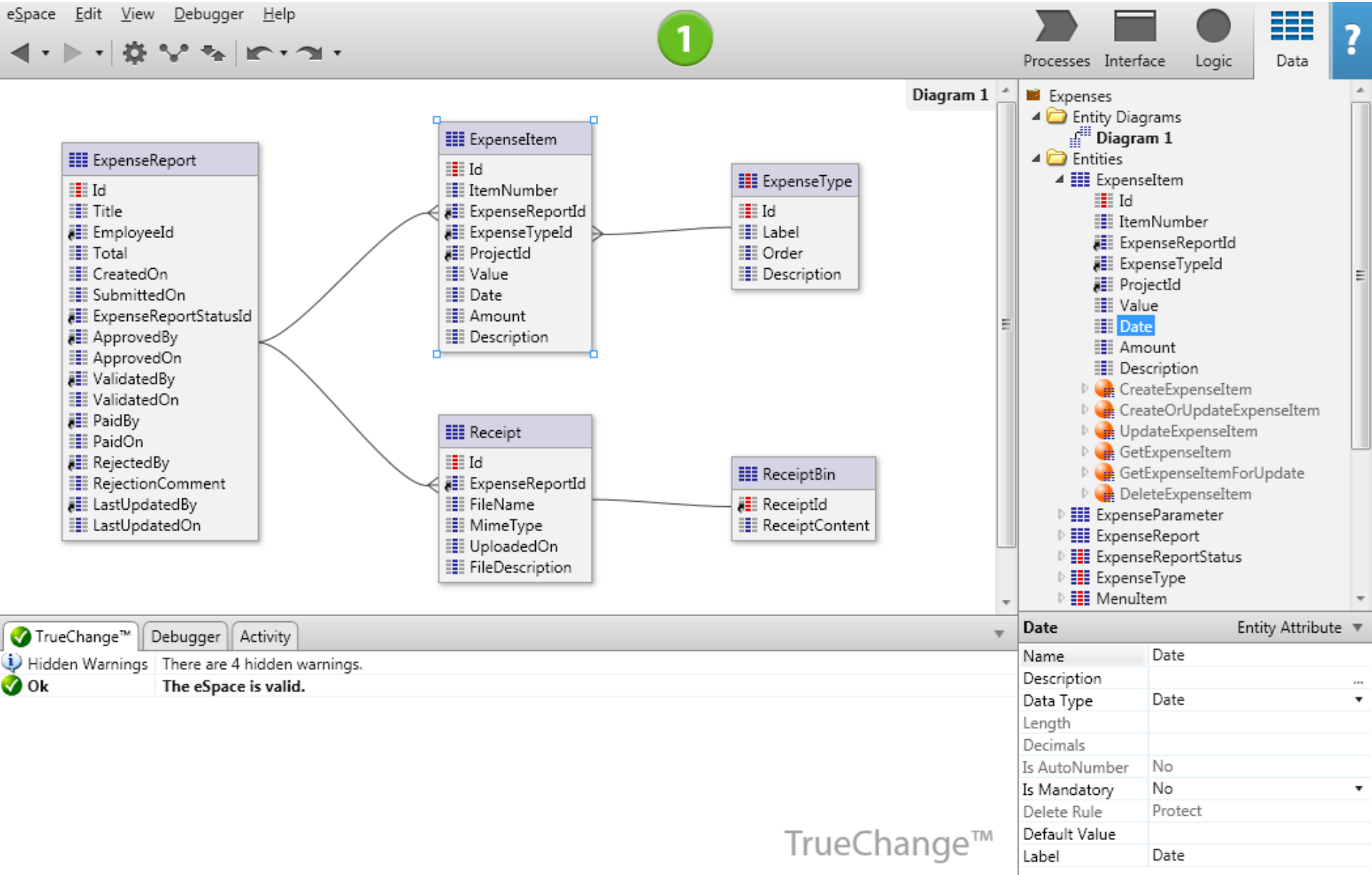
Visual Diff & Merge



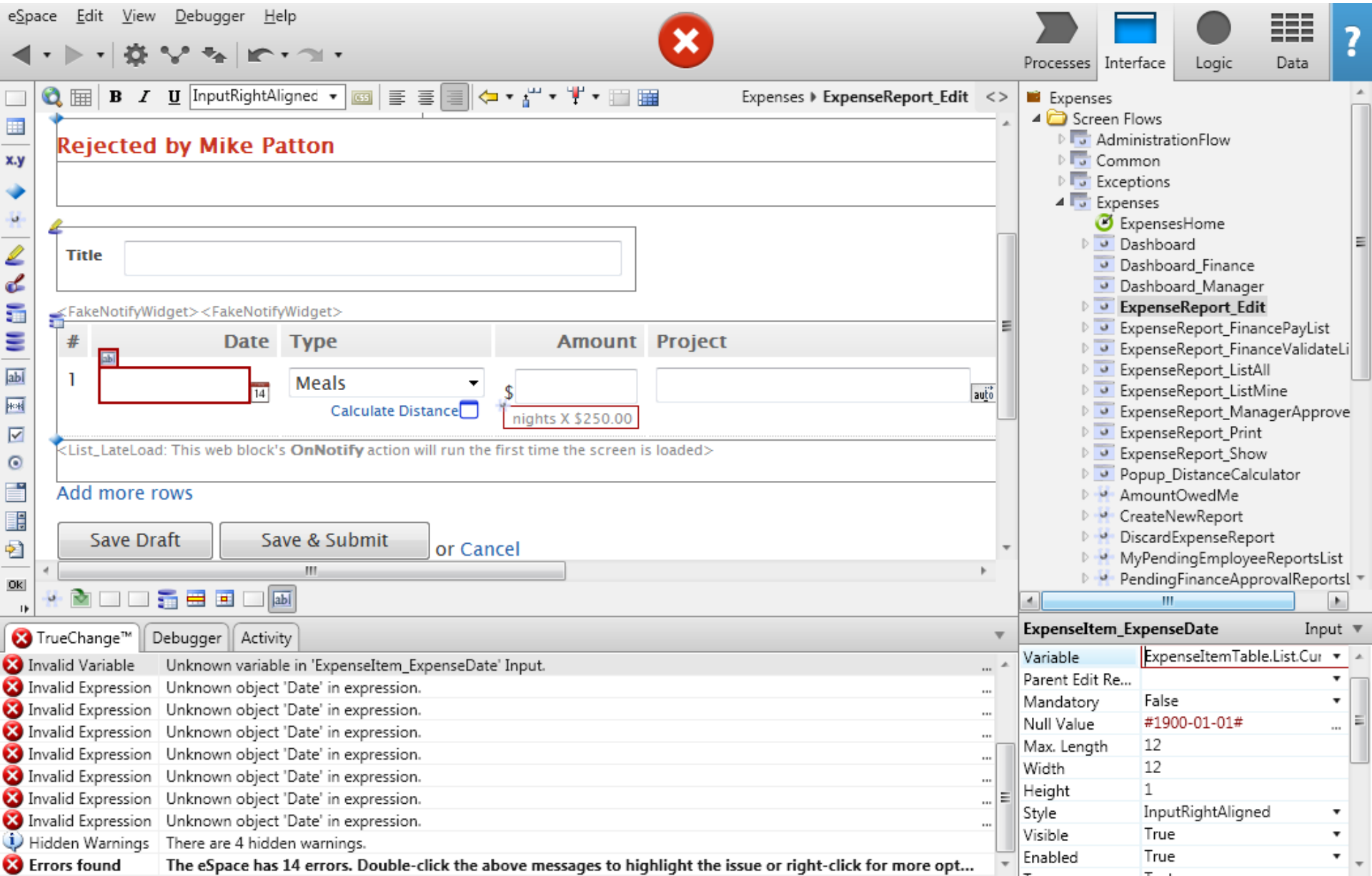
Visual Debugger



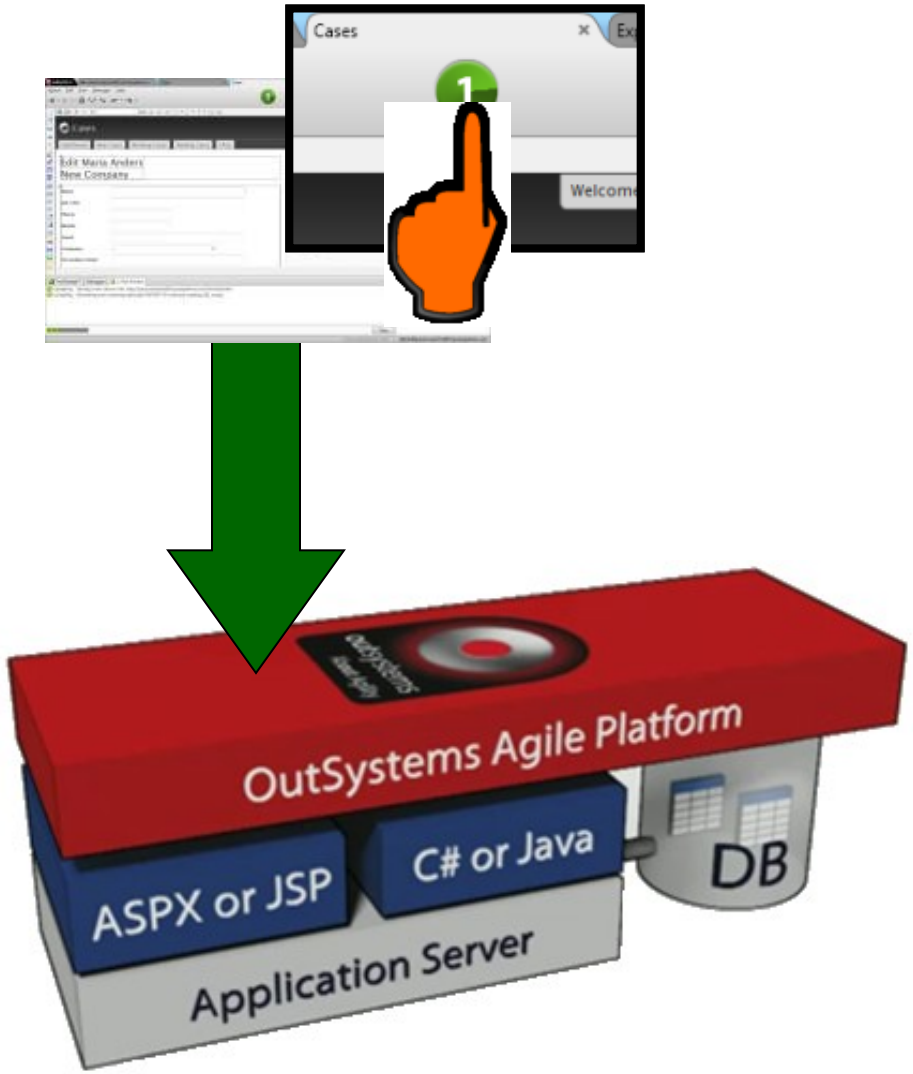
Model Consistency



Model Consistency



“1-Click Publish”



Why Visual?

- Describe Dependencies/Sequences/Parallelism
- Easy to capture and memorize
- Easy to spot complexity
- Simplify Knowledge Transfer

Why All-In-One?

- Minimize context switch
- Model Consistency
- Decrease “Technical Debt”

Why use a compiler?

- Optimize queries & code using dataflow analysis
- Strong static type validation
- Minimum runtime errors
- Runtime Scalability

Some Customers

200+ Enterprises Across 22 Industries

TURISMO DE PORTUGAL,I.P.

About Us
Tourism Teams Abroad
International Cooperation
Subsidiary Companies
Contacts

AREAS OF ACTIVITY

Comments & Suggestions

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General Info

+351 211 140 330
Business Support

english > Turismo de Portugal,I.P.

Turismo de Portugal, I.P.

Turismo de Portugal, I.P. is the central public authority responsible for promotion, enhancement and sustainability of Tourism activities. Learn more about the Institute's structure and the main strategic guidelines underlying Tourism policy

About Us
Mission, structure and organisation of the Institute

Tourism Teams Abroad
Representation in tourism markets

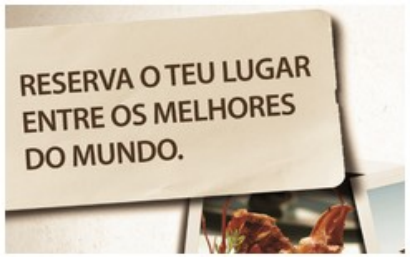
International Cooperation
International organisations and bilateral relations

Subsidiary Companies
Financial companies supporting strategic investment and SMEs

Contacts
To communicate with Turismo de Portugal, I.P.

www.visitportugal.co

pent PLANO ESTRATÉGICO NACIONAL TURISMO



O Turismo é um dos sectores mais sólidos da economia Portuguesa.

Nas **Escolas do Turismo de Portugal** vais encontrar formação de qualidade e preparação profissional de excelência.

Se ainda não te candidataste, está atento para os cursos que abrem em Março de 2012! Sabe mais aqui sobre o curso e a escola da tua preferência.

Na Escola do Porto foi onde aprendi técnicas e conhecimentos fundamentais para exercer na arte de bem receber. A sua formação teórica e pratica facilitou-me decisivamente a en...

Mariana Lacerda
Directora Geral da Pousada do Freixo

A REDE ESCOLAR

Seleccione...

MAIS NOTÍCIAS

- XII Encontro Nacional de Juventude na EHT Estoril
- Cerimónia de Entrega de Diplomas no 54º Aniversário da Escola de Hotelar...
- Rotary Club de Caldas da Rainha entrega prémio a aluna da Escola de Hote...

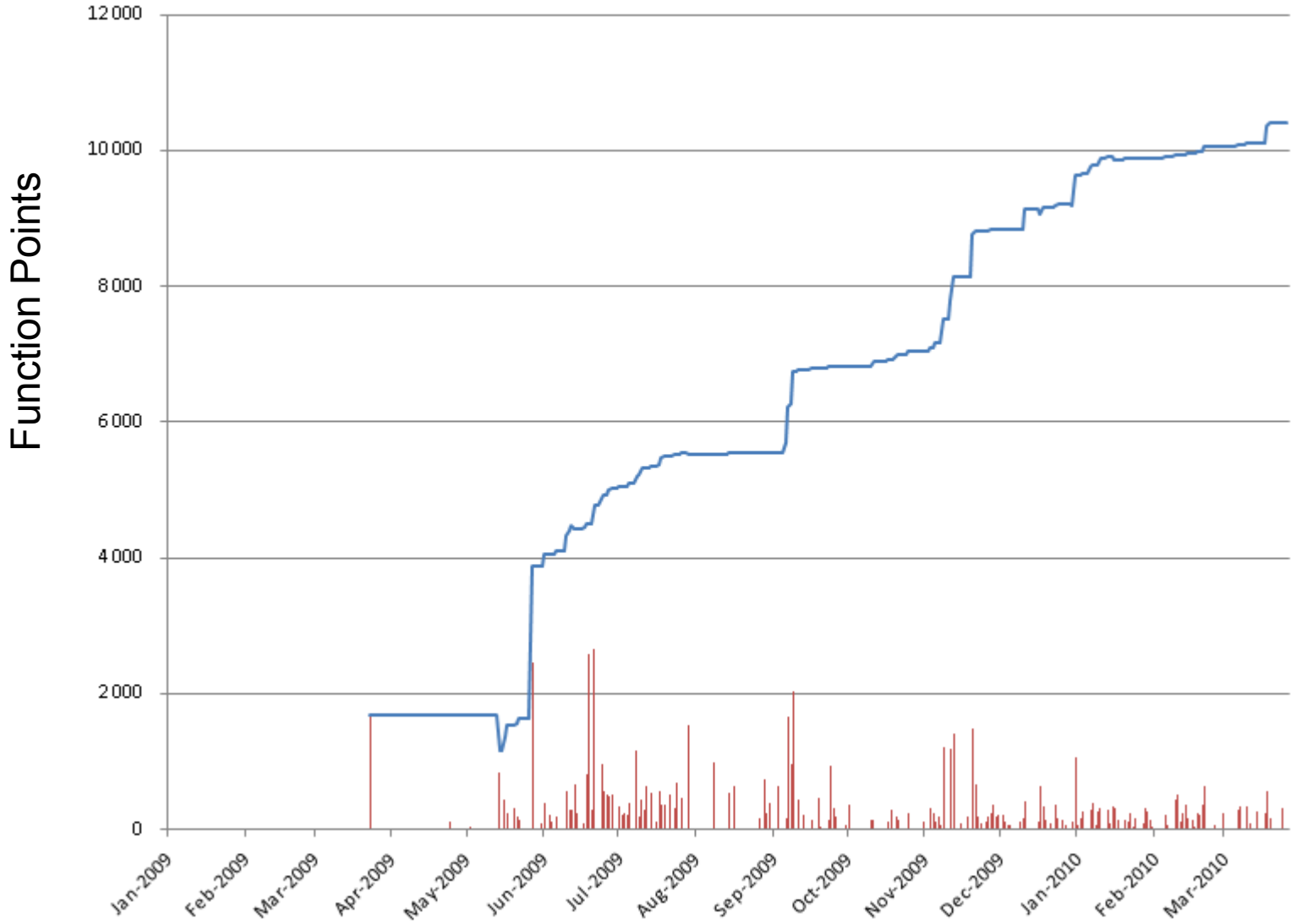
AGENDA

- 27/09 18:30 - 31/12 20:30 : "Vamos receber à moda d...
- 03/10 19:00 - 16/01 22:00 : Curso de Cozinha - pós-labor...
- 08/10 10:00 - 10/12 14:00 : Sábados Vínicos da EHT Estor...

VER TODOS

FORMAÇÃO CONTÍNUA/PROFISSIONAL

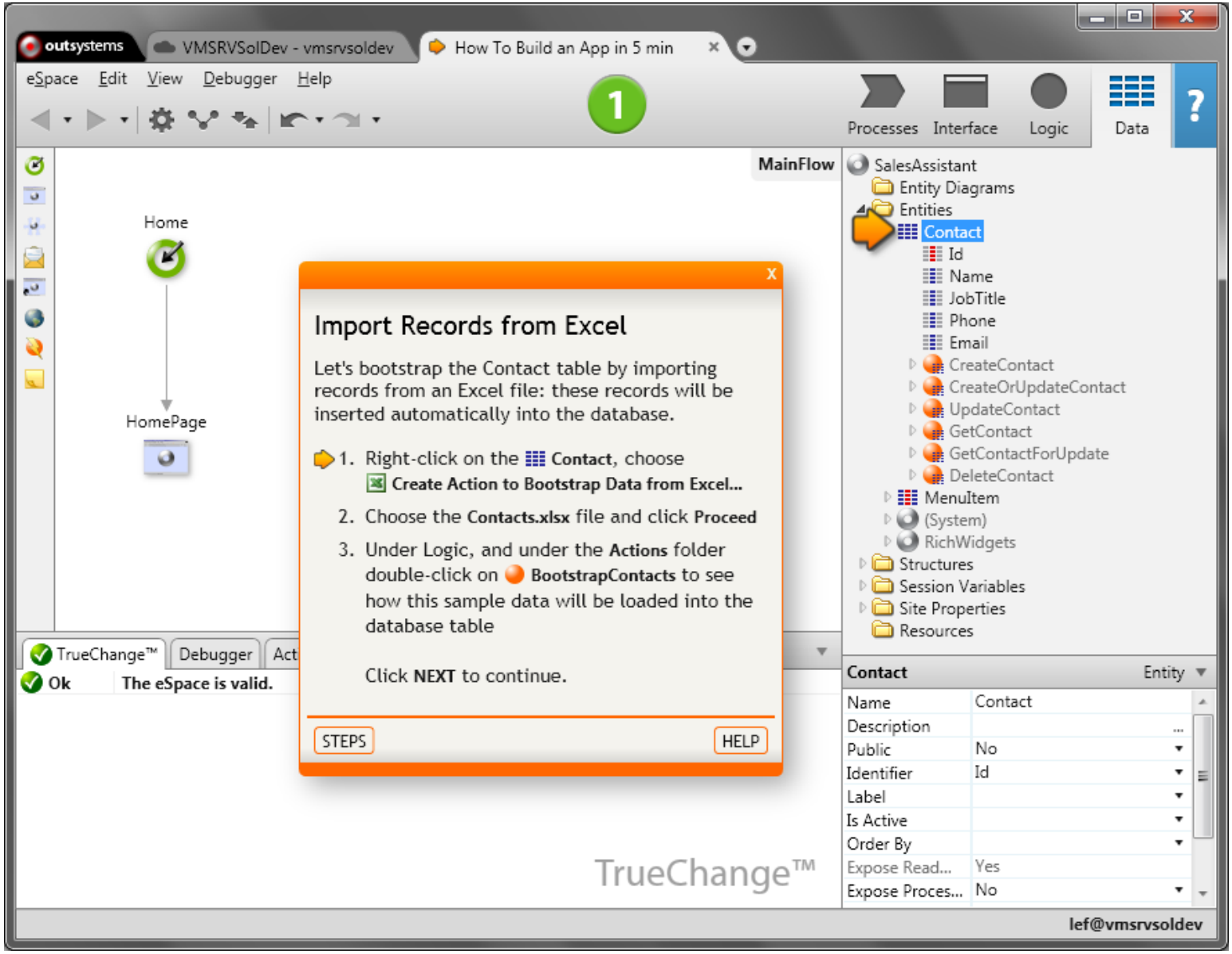
TURISMO DE PORTUGAL



Developers

- Tech Savvy Business Users
- Developers of Outdated Technologies
- Developers more focused on business
- Developers who prefer copy/paste

Embedded Tutorials



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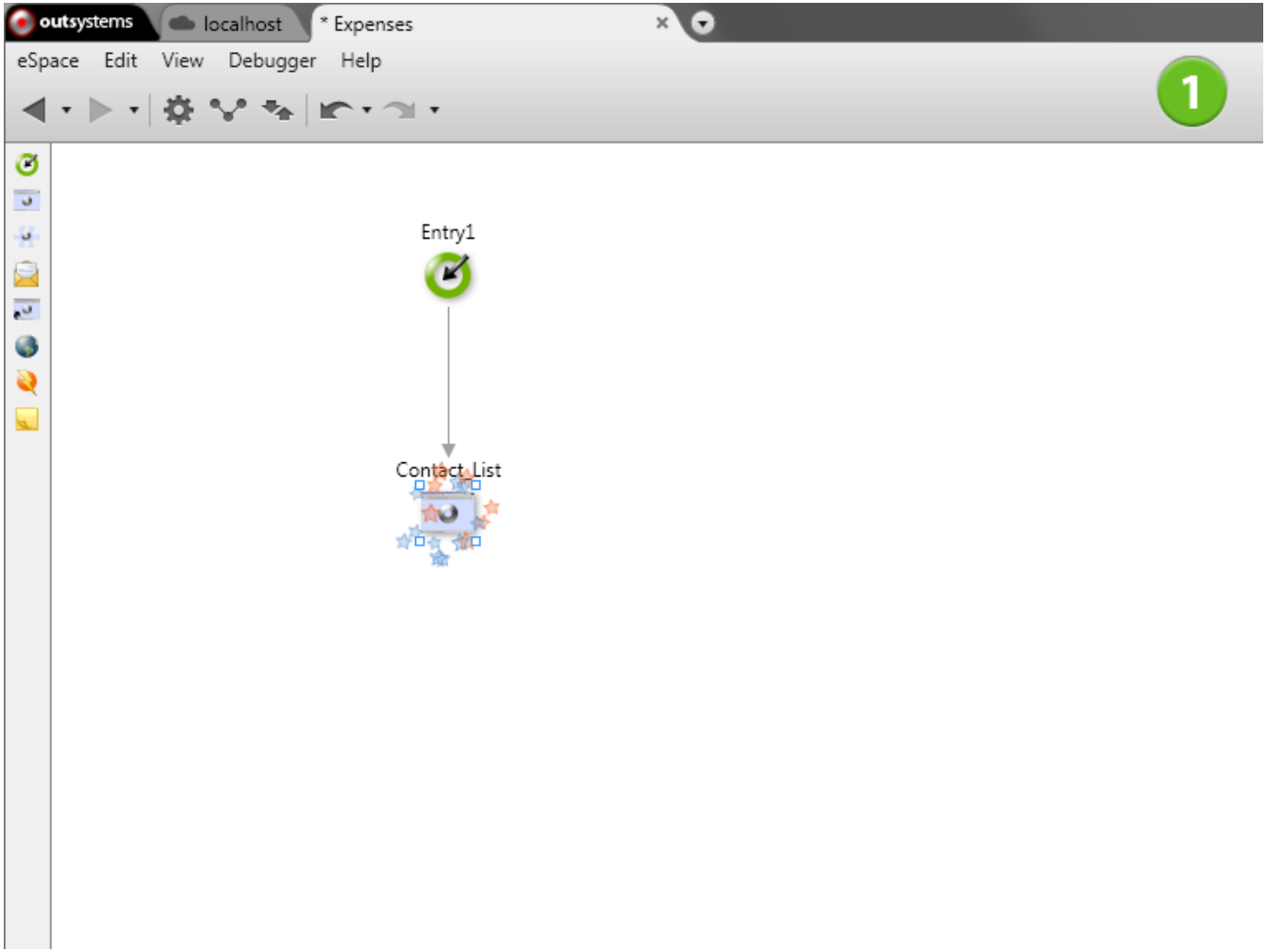

max items in Combo box?

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NEW **max items in Combo box?** 0

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by Frits Frederiks on 2011-10-07 13:06

Hi everybody,

Does somebody know how many items a combobox can handle? I have 700 articles which i select from a SQL query.

Thank you in advance

250 Posts

Certifications

NEW **Re : max items in Combo box?** 0

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by Ricardo Araújo on 2011-10-07 13:50

DON'T do that !!!!! Don't even think about it. :)

Frits,

Before you continue that question please read this presentation on UIs

The right answers in on page 14. "For a Finitive and large domain, use autocomplete".

Cheers,
RNA

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