



Управляем требованиями в HP ALM 11

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Несоответствие между заданием...



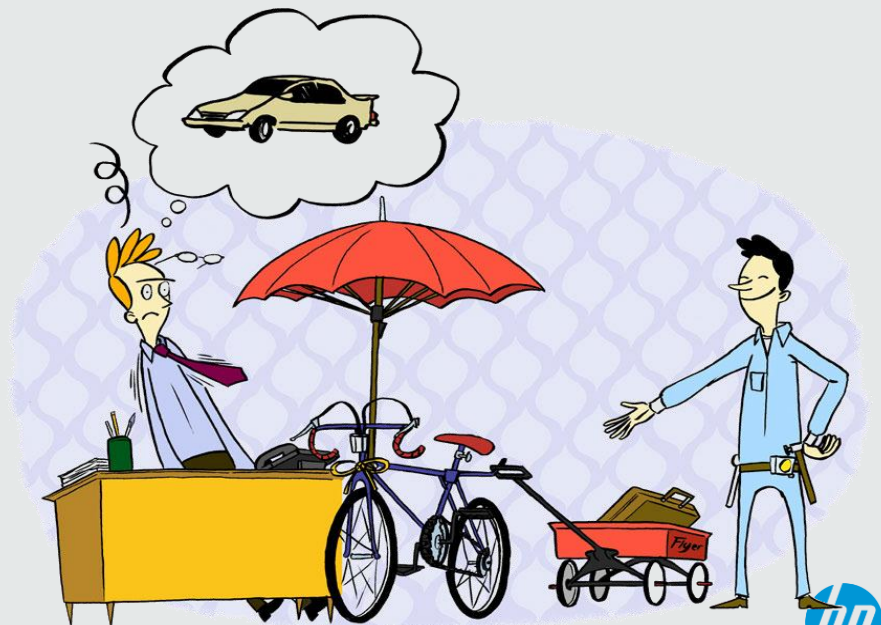
I WANT SOMETHING TO GET ME ACROSS
TOWN IN THE SHORTEST TIME.

...и результатом



BUT I DON'T WANT TO GET WET!
AND HOW AM I GOING TO CARRY MY BRIEFCASE?

Попытка исправить...



Где вы храните требования?



Основные проблемы



Уточнение и детализация требований



«Мы используем Word для работы с требованиями, детализация идет в почте с маркировками изменений в файле»



Представление требования

Requirement Details

Req ID: 364 * Name: Logout * Requirement Type: Testing

Details

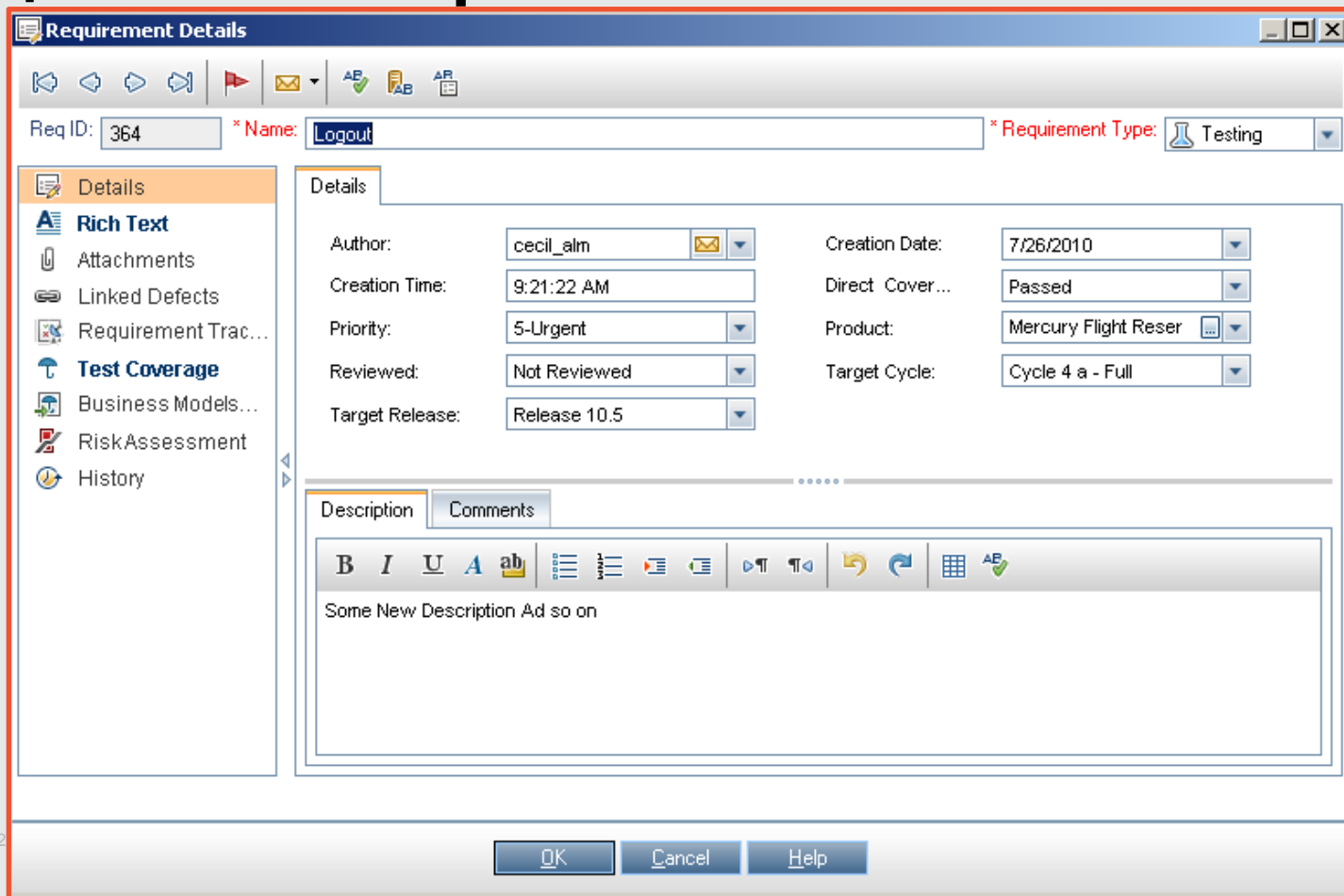
Author:	cecil_alm	Creation Date:	7/26/2010
Creation Time:	9:21:22 AM	Direct Cover...:	Passed
Priority:	5-Urgent	Product:	Mercury Flight Reser
Reviewed:	Not Reviewed	Target Cycle:	Cycle 4 a - Full
Target Release:	Release 10.5		

Description | Comments

B I U A ab [List Icons] [Undo] [Redo] [Grid] [AB]

Some New Description Ad so on

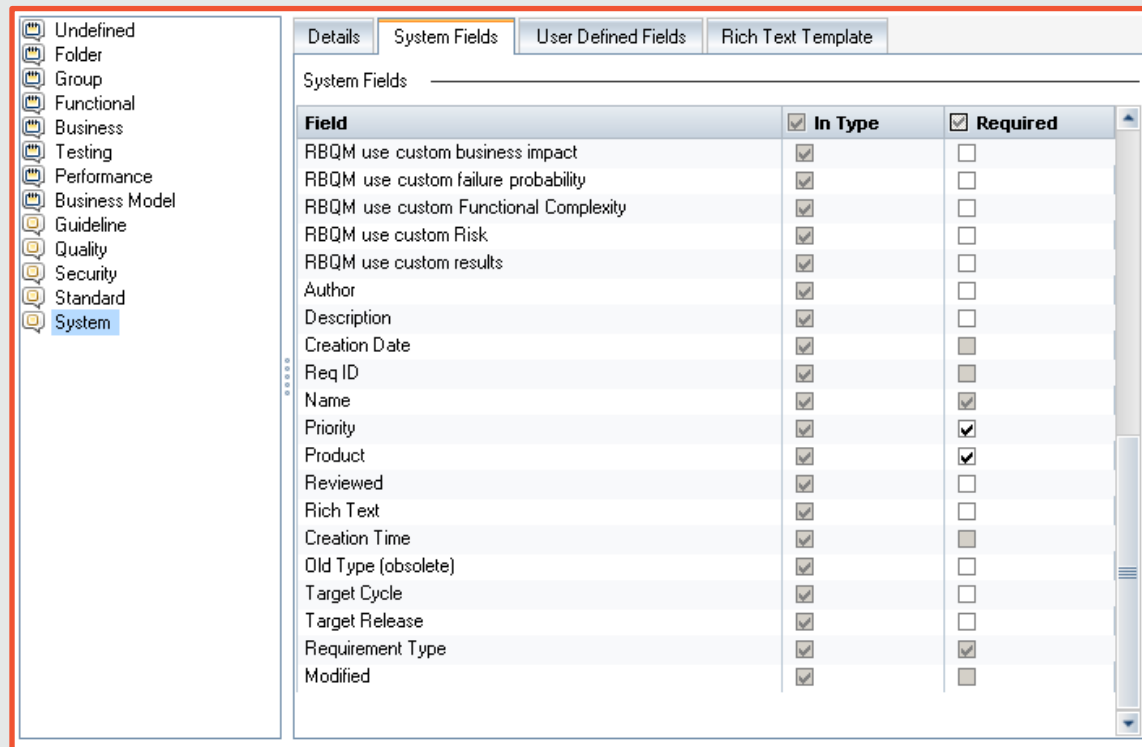
OK Cancel Help



Типы требований

Тип определяет :

- Поля
- Шаблоны
- Процесс

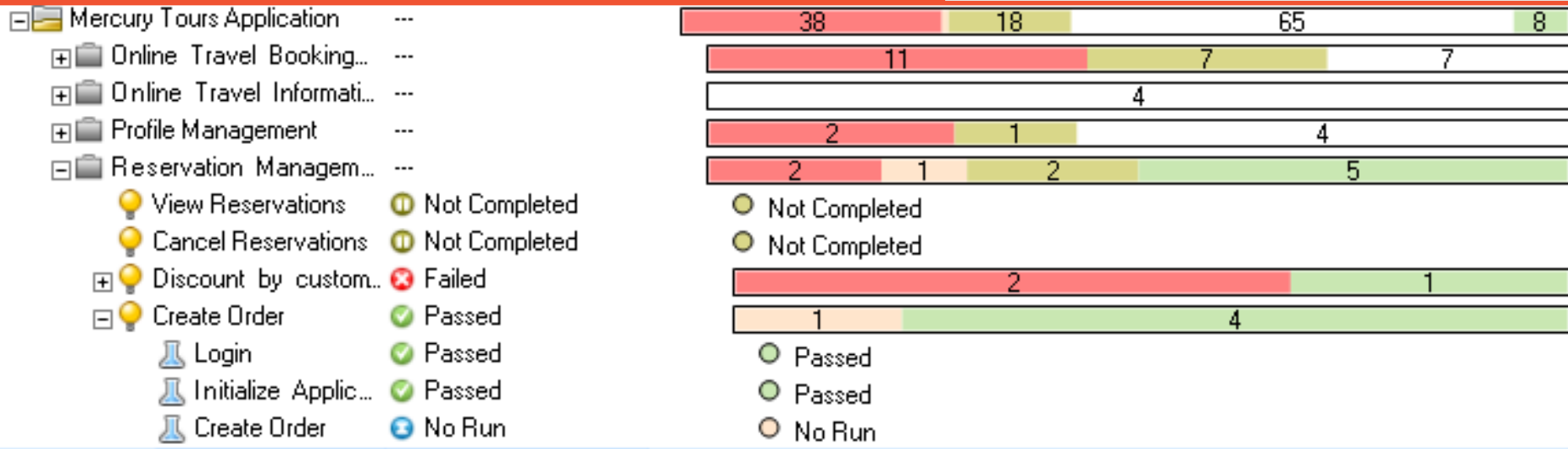


The screenshot displays the 'System Fields' configuration window in HP Quality Center. The left pane shows a tree view with the following items: Undefined, Folder, Group, Functional, Business, Testing, Performance, Business Model, Guideline, Quality, Security, Standard, and System (selected). The right pane shows a table of system fields with checkboxes for 'In Type' and 'Required'.

Field	<input checked="" type="checkbox"/> In Type	<input checked="" type="checkbox"/> Required
RBQM use custom business impact	<input checked="" type="checkbox"/>	<input type="checkbox"/>
RBQM use custom failure probability	<input checked="" type="checkbox"/>	<input type="checkbox"/>
RBQM use custom Functional Complexity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
RBQM use custom Risk	<input checked="" type="checkbox"/>	<input type="checkbox"/>
RBQM use custom results	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Author	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Description	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Creation Date	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Req ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Priority	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Product	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reviewed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rich Text	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Creation Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Old Type (obsolete)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Target Cycle	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Target Release	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Requirement Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Modified	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Дерево требований в ALM 11



Аудит изменений



**У нас хаос 15 человек
работают над бизнес
требованиями, кто, что
поменял - совершенно
непонятно.**

**Почему требование такое, и
можно ли его поменять?**



История изменений требования

Requirement Details

Req ID: 364 * Name: Logout * Requirement Type: Testing

Baselines Audit Log

Field: <All> Expand All Collapse All

Field Name	Old Value	New Value
[-] Change #32: Date: 5/25/2012 2:29:38 AM Changer: alex_alm		
Reviewed	Reviewed	Not Reviewed
[-] Change #31: Date: 11/13/2011 7:24:56 AM Changer: admin		
Direct Cover Status	Not Completed	Passed
[-] Change #30: Date: 11/13/2011 7:24:51 AM Changer: admin		
Direct Cover Status	No Run	Not Completed
[-] Change #29: Date: 11/13/2011 7:23:20 AM Changer: admin		
[-] Change #28: Date: 11/10/2011 6:11:32 AM Changer: admin		
[-] Change #27: Date: 11/10/2011 6:11:23 AM Changer: admin		

Details
Rich Text
Attachments
Linked Defects
Requirement Trac...
Test Coverage
Business Models...
RiskAssessment
History

OK Cancel Help

Базовый план

Поддержка Версионности Требований и тестов

Baseline:Release 4.0 (Library:Advantage Online Banking)

No changes

Entities

- Functional Requirements
 - Administrative Functions
 - Registered User Functions
 - [Apply for New Accounts]
 - [Money Transfer]
 - Allow negative amounts
 - Checking
 - Insufficient Funds
 - Money Market
 - Savings
 - Transfer Function Faults
 - [Order Checkbooks]
 - [UC Pay Bills]

Baseline:Current Entities (Library:Advantage Online Banking)

Added:5 Modified:7 Absent:0 Moved:0

Entities

- Functional Requireme...
 - Administrative Fu...
 - Registered User F...
 - [Apply for Ne...
 - [Money Transf... Modified
 - Allow neg... Modified
 - Checking Modified
 - Insufficien...
 - Money Ma... Modified
 - Savings Modified
 - Transfer F... Modified
 - [Order Check...
 - [UC Pay Bills]

Req ID: 171 * Name: [Money Transfer] * Requirement Type: Functional

- Details
- Rich Text
- Attachments
- Linked Defects
- Requirement Tra...
- Test Coverage
- Business Models...
- RiskAssessment
- History

Versions and Baselines Audit Log

View by: Versions

Version	Date	Modified by	Baselines
6	7/22/2011 12:33:39...	tfranklin	
5	7/22/2011 8:31:50 AM	tfranklin	
4	7/13/2011 1:32:42 PM	tfranklin	
3	7/13/2011 1:20:21 PM	tfranklin	
2	7/8/2011 8:57:35 AM	tfranklin	Release 3.1m; Release 4.0
1	6/21/2011 4:20:02 PM	tfranklin	

View
Compare
Check Out



Борьба с хаосом



Не смог записать цитат заказчиков – было шумно



Анализ Влияния

Requirement Details

Req ID: 140 * Name: Flight Reservation Service

- Details
- Rich Text
- Attachments
- Linked Defects
- Requirement Tra...**
- Test Coverage
- Risk Analysis
- Business Models...
- History

Relationships | Impact Analysis

Add Requirement Traceability

Trace From (Requirements that affect <Flight Reservation Service>):

Req: Name
Create Order

Trace To (Requirements affected by <Flight Reservation Service>):

Req: Name
Flight Tickets

Req ID: 134 * Name: Online Travel Booking Services

- Details
- Rich Text
- Attachments
- Linked Defects
- Requirement Trac...**
- Test Coverage
- Business Models...
- RiskAssessment
- History

Relationships | **Impact Analysis**

Legend: ▷ Child ◁ Parent ↗ Trace From ↘ TraceTo ↻ Recursive

Trace From (Requirements that affect <Online Travel Booking Services>):

- Online Travel Booking Services
 - Mercury Tours Application
 - Requirements

Trace To (Requirements affected by <Online Travel Booking Services>):

- Flight Reservation Service
 - Flight Search
 - Search Conditions
 - Available Flights List
 - Relevant Flights
 - Flight Details
 - Flight Cost
 - Tickets Quantity
 - Airline Company

Отслеживание влияния изменений

The image displays a software interface for requirements management. On the left, a tree view shows a hierarchy: Requirements > Business Models > Mercury Tours Application. Under 'Mercury Tours Application', several sub-requirements are listed, each with a red bell icon indicating an alert: Online Travel Booking..., Online Travel Informati..., Profile Management, Reservation Managem..., Booking System, Application Security, Application Usability, Application Client Syst..., and Application Performance. The 'Mercury Tours Application' folder is selected.

On the right, an 'Alerts' dialog box is open. The title is 'Alerts for requirement <Mercury Tours Application>'. It contains a message: 'In the requirement [Requirements](#) parent to [this requirement](#) the Version Status changed to "Checked_In" [Notified user is [alex_alm]]. It is recommended that you review this requirement.' The dialog also shows the generation time: 'Generate at 6/30/2010 8:33:24 AM'. There are 'Clear all' and 'OK' buttons.

Матрица Трассировки

Requirements Edit View Favorites Analysis

Configure Traceability Matrix Show Full Path Generate Traceability Matrix

Filter: Target Release(^Releases\Mercury Tours Application\...

Total number of traced to requirements: 115

Name	Number of traced to
Available Flights List	8
Privacy Protection	2
Flight Reservation Transac...	2
Application Reliability	1
Discount by customer type	2
Create Order	5
Profile Management Trans...	2
Data Storage Protection	2
Booking System	2
Third Party Security Compl...	2
Web Page Structure And L...	9

Traced To Requirements

Req ID	Name
140	Flight Reservation Service
364	Logout
361	Login
362	Initialize Application
363	Create Order

Source Requirements	[136] Flight Tickets	[137] Hotel Reservations	[138] Car Rentals	[139] Tours/Cruises	[140] Flight Reservation Service	[141] Flight Search	[142] Search Conditions	[143] Origin And Destination	[144] Flight Scheduler	[145] Service Class	[146] Airline Company	[147] Tickets Quantity	[148] Type Of Trip
[135] Products/Services On Sale		✓	✓	✓									
[140] Flight Reservation Service	✓					✓							
[141] Flight Search							✓						
[142] Search Conditions								✓	✓	✓	✓	✓	✓
[148] Type Of Trip													✓
[151] Available Flights List								✓	✓	✓	✓	✓	✓
[160] Online Travel Information Source													
[162] Maps													
[176] Booking System													
[178] Payment Methods													
[179] Credit Card													
[185] Application Security													

Traceability Matrix Source Requirements Traced To Requirements



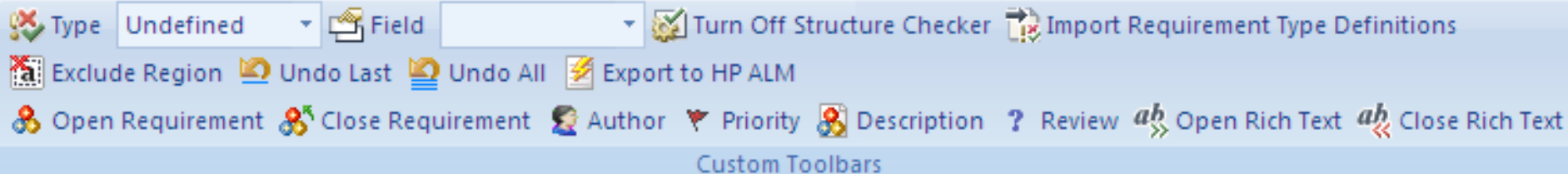
Удобство работы






**«Нужно работать
интерактивно с
требованиями – на вход
Word и в дальнейшем, нужно
чтобы в Word’е же и шло
редактирование»**





Импорт документа с требованиями





 Business
 Add functionality and content to the current member website for the new Phoenician members.

 Requirement Objective: Provide members access to the member website to view information relating to their purchase and membership.

 High-Level Business Requirements: Member will log into the website from the at www.mycompany.com.
The member site may also be accessed through the old link: <http://www.oldmycompany.com/members>.
The website's navigation menus will include all three properties and take into account any future properties.
The website will continue to support deep links.
The website will accommodate owners who have purchased one or more memberships.

 Alternatives: None.

 Assumptions: A member who owns at one or more will use his username and password to access the member site and see the sections detailed above.

 Dependencies: None.

```
line_level = line_level_next
desc_var = 0

'If next line is a parent to the current one, close the current requirement
Elseif line_level_next < line_level Then
'Eq multiple parents at this level, loop through and put the correct number of close
requirements
line_close = (line_level - line_level_next) + 1
Set aRange = ActiveDocument.Paragraphs(j - 1).Range
aRange.Select
For k = 1 To line_close
Selection.MoveRight
Selection.MoveLeft
Selection.InsertBreak Type:=wdLineBreak

'Add requirement type if specified by user
If reqType <> "" Then
reqField.Clear
reqField.AddItem (reqType)
reqField.ListIndex = 1
Application.Run MacroName:="SetRequirementType"
Selection.InsertBreak Type:=wdLineBreak
End If

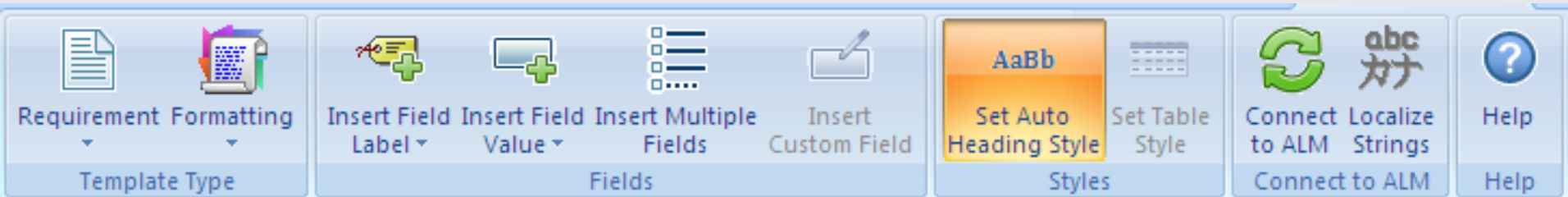
'Close requirement
Application.Run MacroName:="CloseRequirement"

Next k

'Choose next line and open requirement
Set aRange = ActiveDocument.Paragraphs(j).Range
aRange.Select
```



Шаблон отчета по требованиям



The toolbar contains the following elements from left to right:

- Requirement Formatting** (with a dropdown arrow) and **Template Type**
- Insert Field Label** (with a dropdown arrow)
- Insert Field Value** (with a dropdown arrow)
- Insert Multiple Fields**
- Insert Custom Field**
- Set Auto Heading Style** (with a dropdown arrow)
- Set Table Style** (with a dropdown arrow)
- Connect to ALM** (with a dropdown arrow)
- Localize Strings** (with a dropdown arrow)
- Connect to ALM** (with a dropdown arrow)
- Help** (with a dropdown arrow)

«Req ID Label» : «Req ID» - «Name»			
Field Label	Field Value	Field Label	Field Value
«Author Label»:	«Author»	«Direct Cover Status Label»	«Direct Cover Status»
«Creation Date Label»:	«Creation Date»	«Priority Label»	«Priority»
«Product Label»	«Product Label»	«Requirement Type Label»	«Requirement Type»
«Target Release Label»	«Target Release»	«Target Cycle Label»	«Target Cycle»
«Description Label»			
«Description»			



Реклама

**Рассказчику стыдно, но
хочется рассказать, что у HP
есть по тестированию.**



Управление бизнесом на всех этапах жизненного цикла приложений



Спасибо

Вопросы\Ответы

