



超越用户故事地图 Beyond Story Mapping

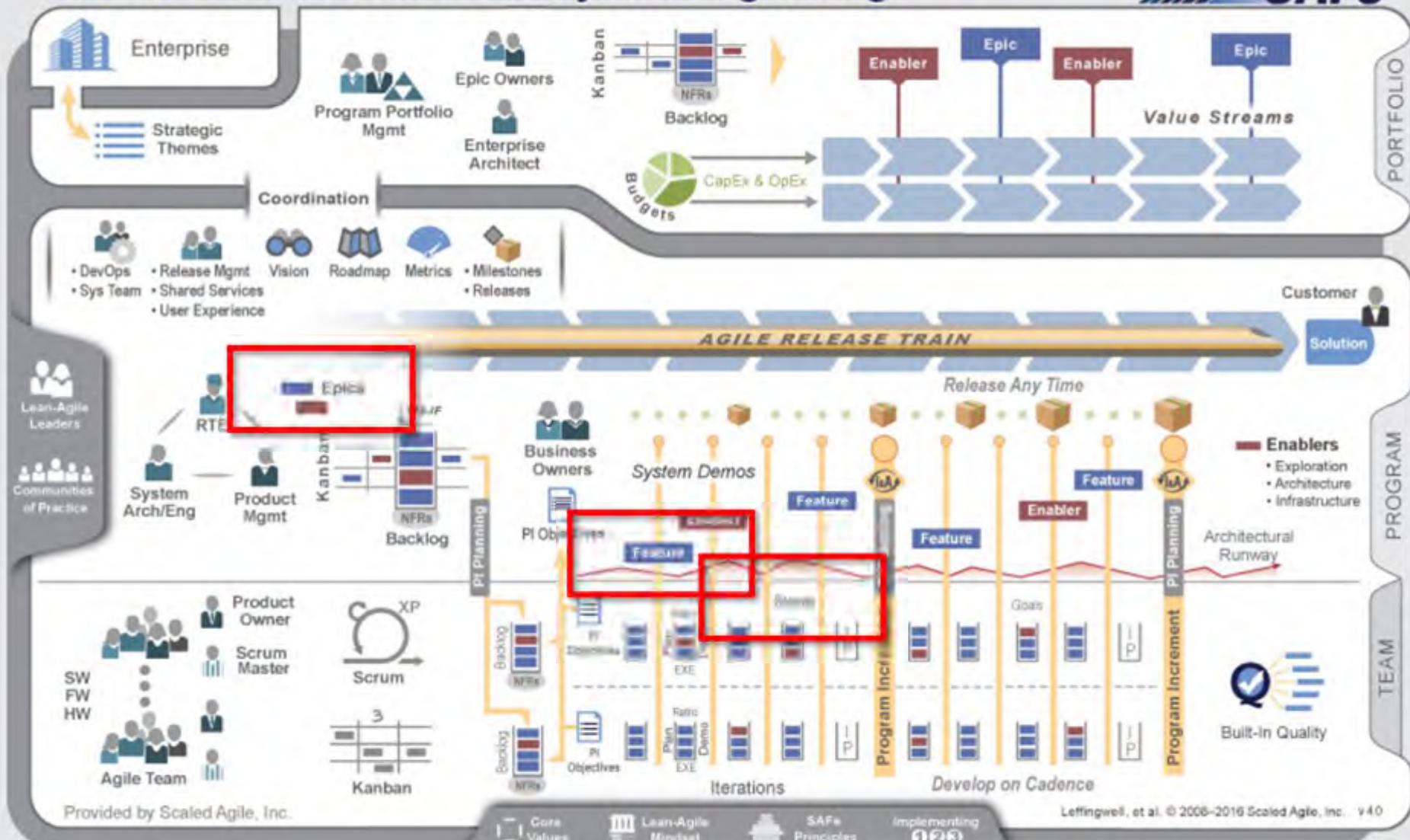
火星人 陈勇 Martin CHEN



SAFe: Epic, Feature, Story



SAFe® 4.0 for Lean Software and Systems Engineering



TFS: Epic, Feature, Backlog item



Visual Studio Team Foundation Server 2015 / Fabrikam Fiber

HOME CODE WORK BUILD BUILD.PREVIEW TEST

Backlogs Queries

Epics
Features
Backlog items

Backlog items

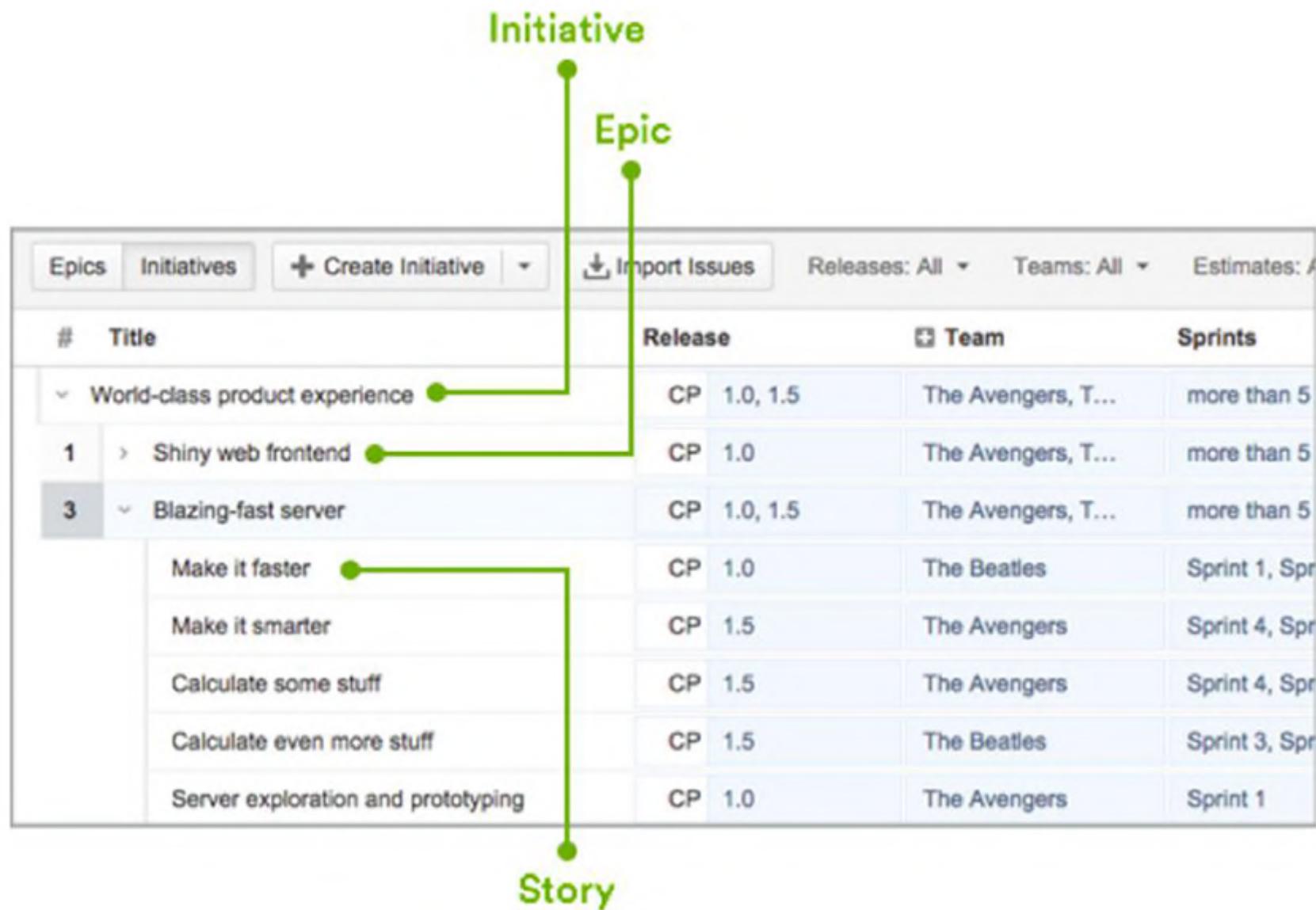
Backlog Board Mapping On Parents Show In progress items Show

Current

- Sprint 1
- Sprint 2
- Sprint 3
- Sprint 4
- Sprint 5
- Sprint 6

Work Item Type	Title	State	Effort
Epic	Phase 1 - Customer access and engagement	New	
Feature	Customer Web - Phase 1	New	
Product Backlog Item	Hello World Web Site	Committed	4
Bug	Show response on form	Committed	13
Product Backlog Item	Change initial view	Committed	13
Feature	Customer Phone - Phase 1	New	
Product Backlog Item	Request support	New	8
Product Backlog Item	Phone sign in	New	8
Product Backlog Item	Check service status	New	14
Epic	Customer service - improve UI performance	New	
Feature	Customer Service - Phone	New	

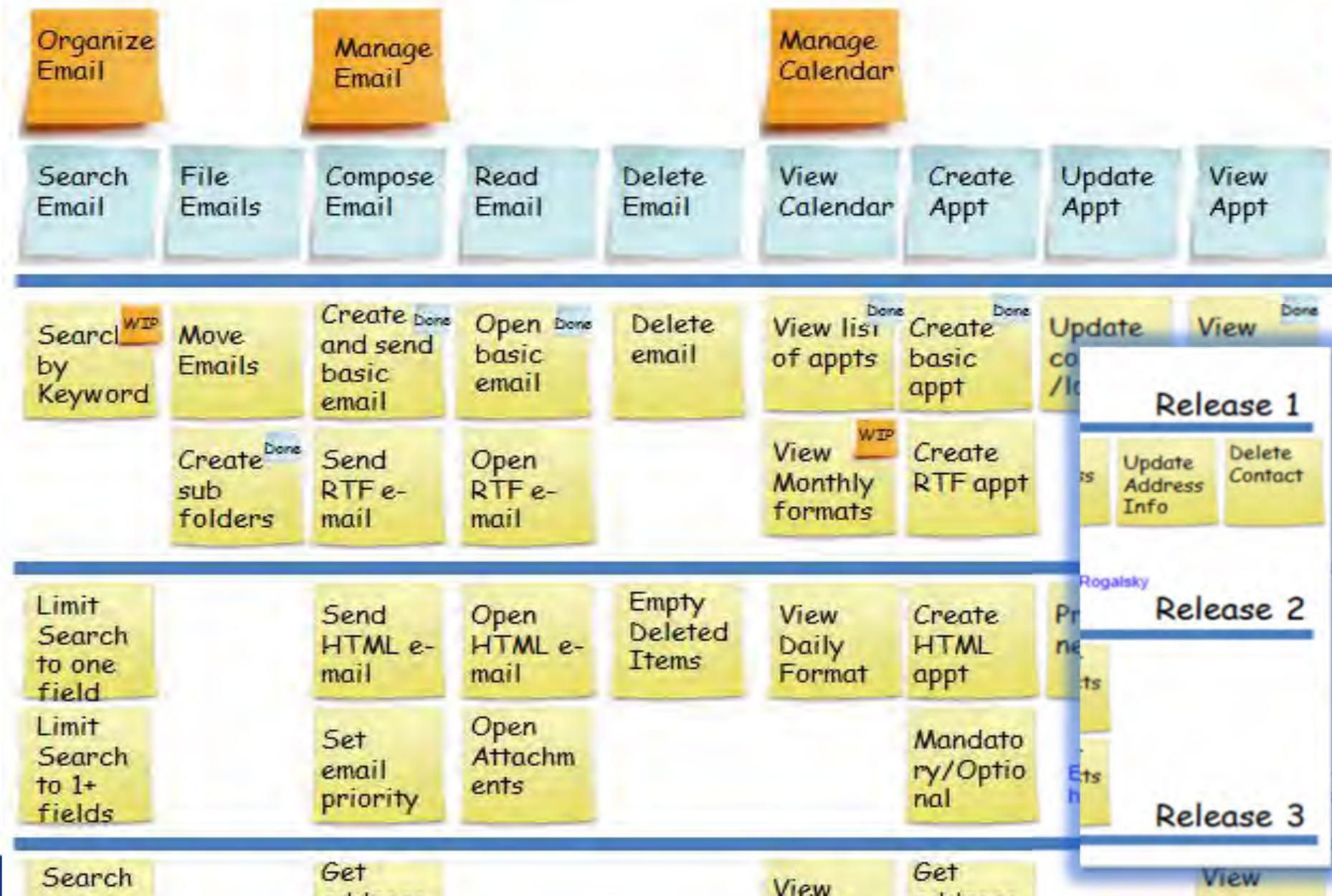
Jira Portfolio: Initiative, Epic, Story



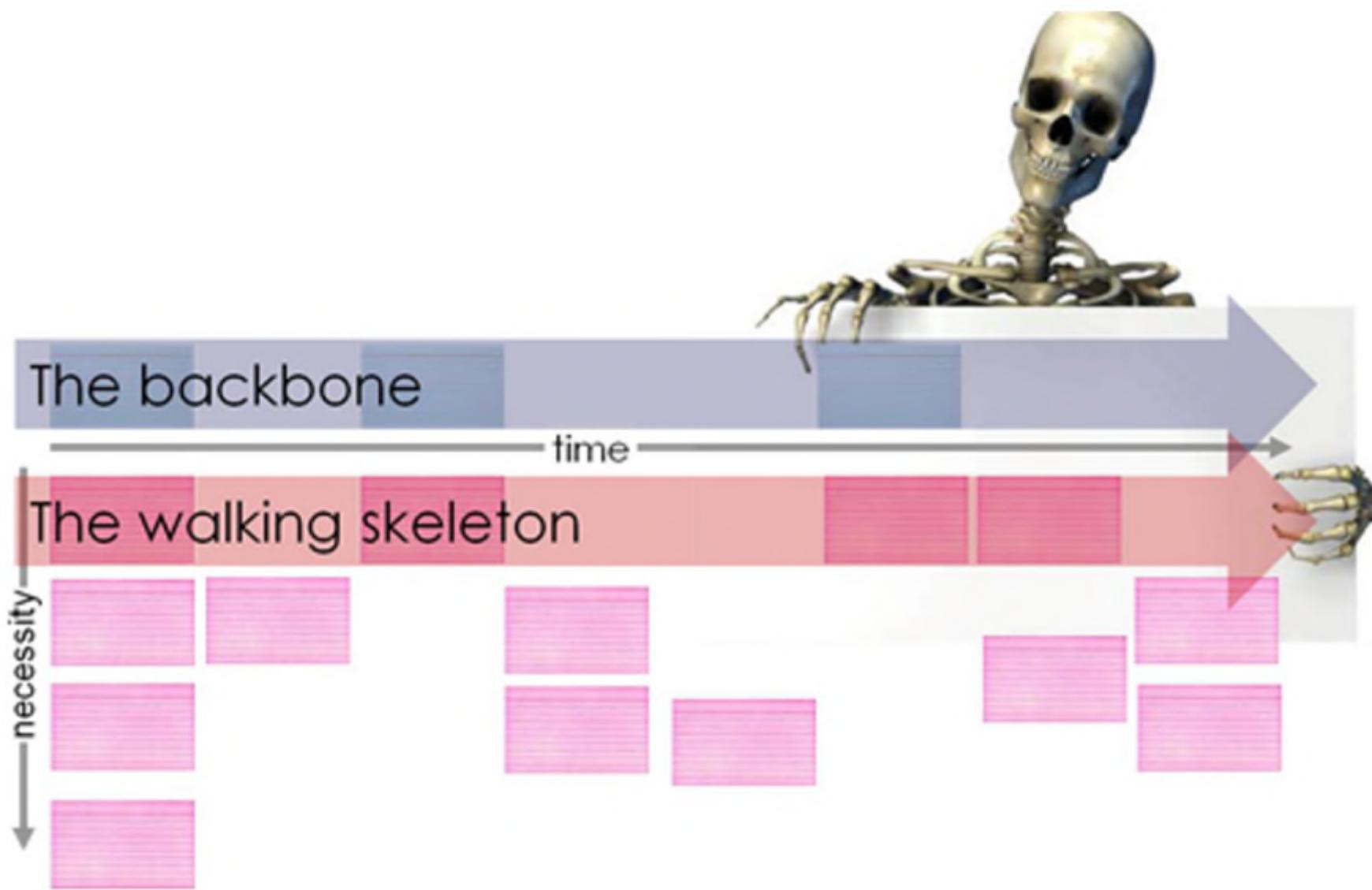
Story Mapping: Activity, Task, Sub-task



Story Mapping: Activity, Task, Sub-task



Story Mapping



存在什么问题？What's Wrong?



Organize Email	Manage Email	Manage Calendar	Manage Contacts
Search Email	File Emails	Compose Email	Read Email
Delete Email		View Calendar	Create Appt
		Update Appt	View Appt
			Create Contact
			Update Contact
			Delete Contact
Search by Keyword	Move Emails	Create Done and send basic email	Open basic email
	Create sub folders	Send RTF e-mail	Open RTF e-mail
		View list of appts	Create basic appt
		View Monthly formats	Update contents /location
		Create RTF appt	View Appt
			Accept/Reject/Tentative
			Create basic contact
			Update contact info
Limit Search to one field	Send HTML e-mail	Open HTML e-mail	Empty Deleted Items
Limit Search to 1+ fields	Set email priority	Open Attachments	
			View Daily Format
			Create HTML appt
			Propose new time
			Add address data
			Update Address Info
			Delete Contact
Search attachments	Get address from contacts		
Search sub folders	Send Attachments		
		View Weekly Formats	Get address from contacts
		Search Calendar	Add Attachments
			View Attachments
			Import Contacts
			Export Contacts

Release 1

Example story map created by Steve Rogalsky
<http://winnipegagilelist.blogspot.com>

Release 2

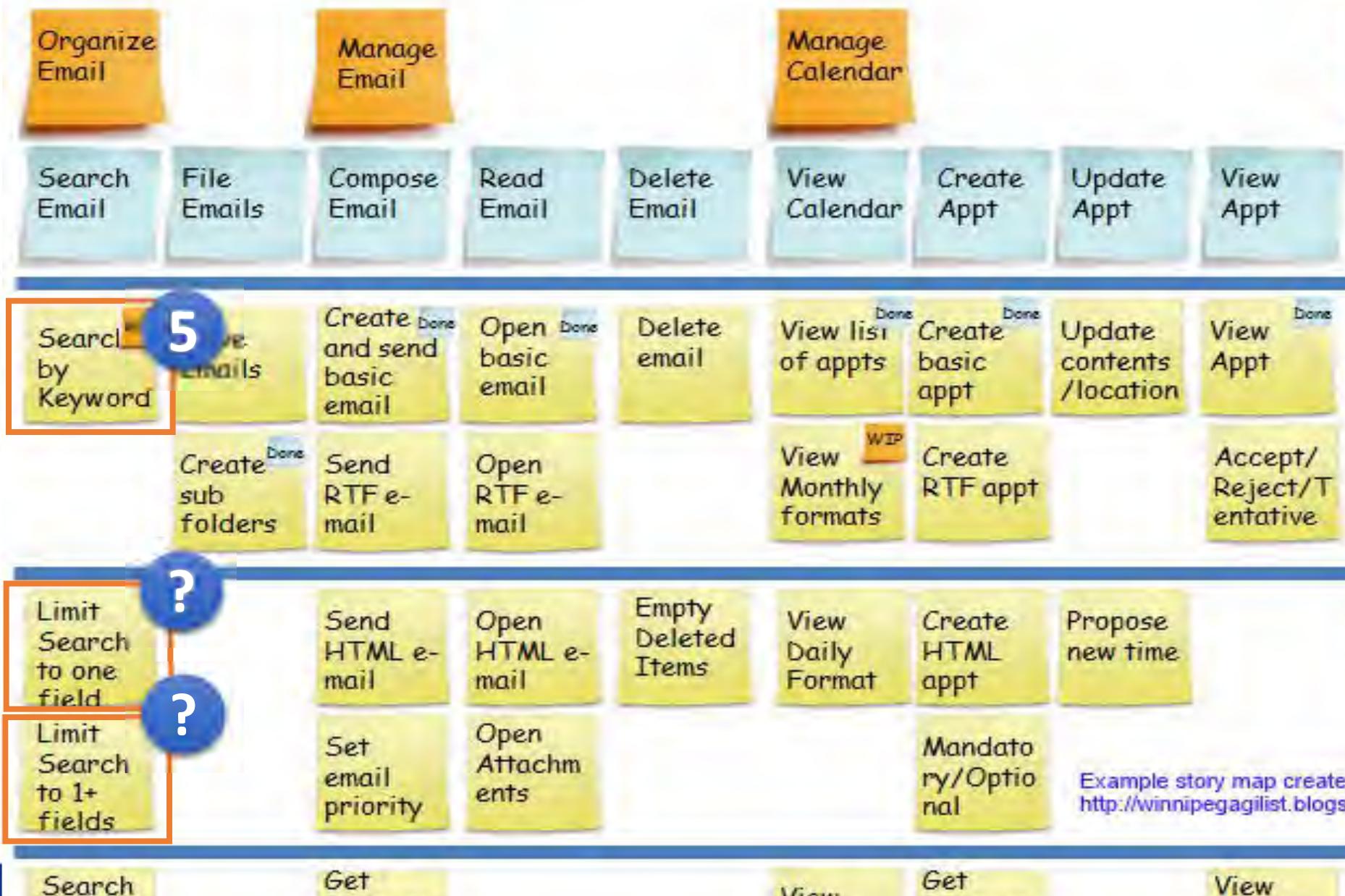
Release 3

存在什么问题？What's Wrong?

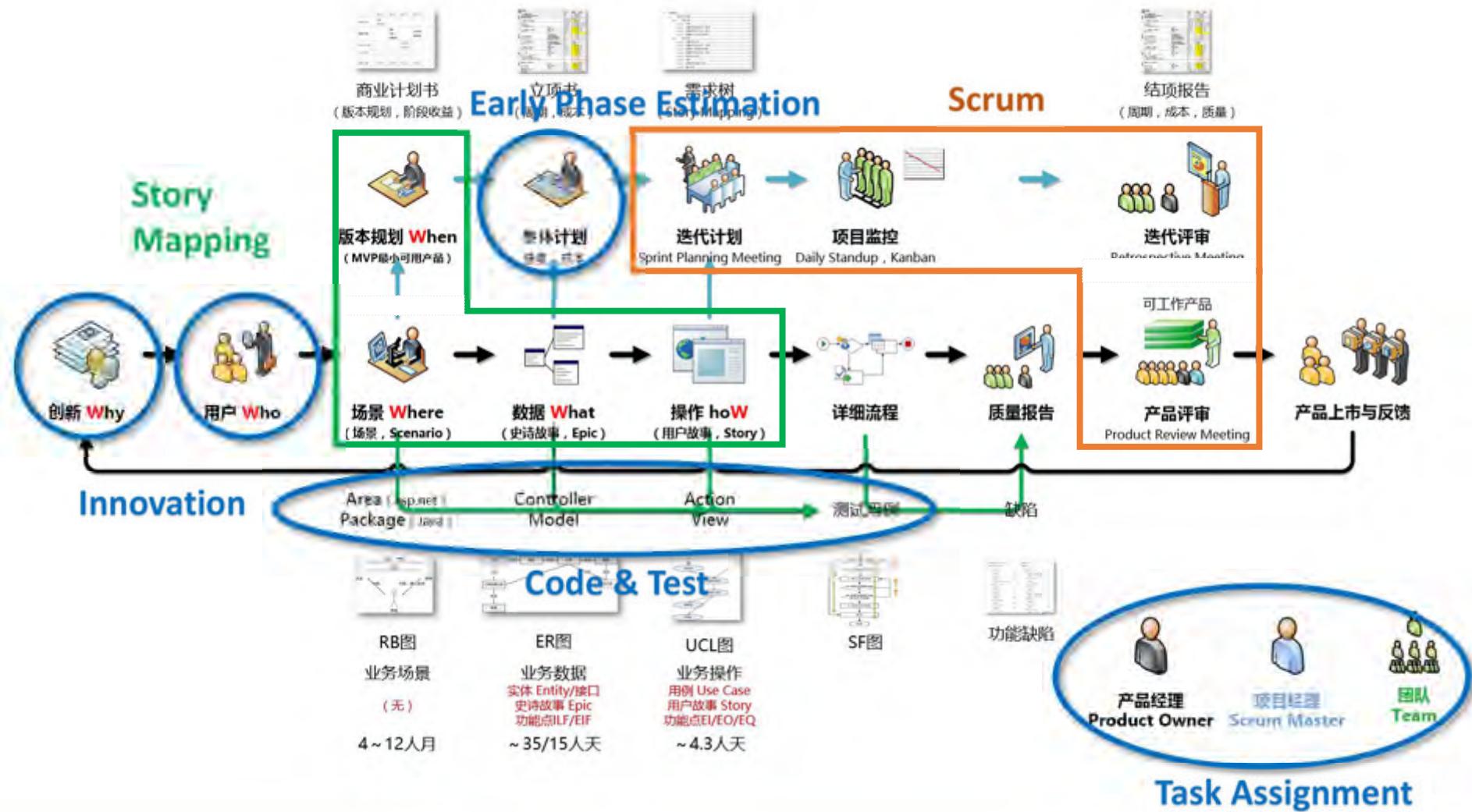


Organize Email		Manage Email			Manage Calendar			
Search Email	File Emails	Compose Email	Read Email	Delete Email	View Calendar	Create Appt	Update Appt	View Appt
Search by Keyword	Move Emails	Create and send basic email	Open basic email	Delete email	View list of appts	Create basic appt	Update contents /location	View Appt
Limit Search to one field	Done	Send RTF e-mail	Open RTF e-mail		View Monthly formats	WIP Create RTF appt		Accept/Reject/Tentative
Limit Search to 1+ fields		Send HTML e-mail	Open HTML e-mail	Empty Deleted Items	View Daily Format	Create HTML appt	Propose new time	
Search	Get	Set email priority	Open Attachments			Mandatory/Optional	Example story map created http://winnipegagilist.blogspot.com	

存在什么问题？What's Wrong?



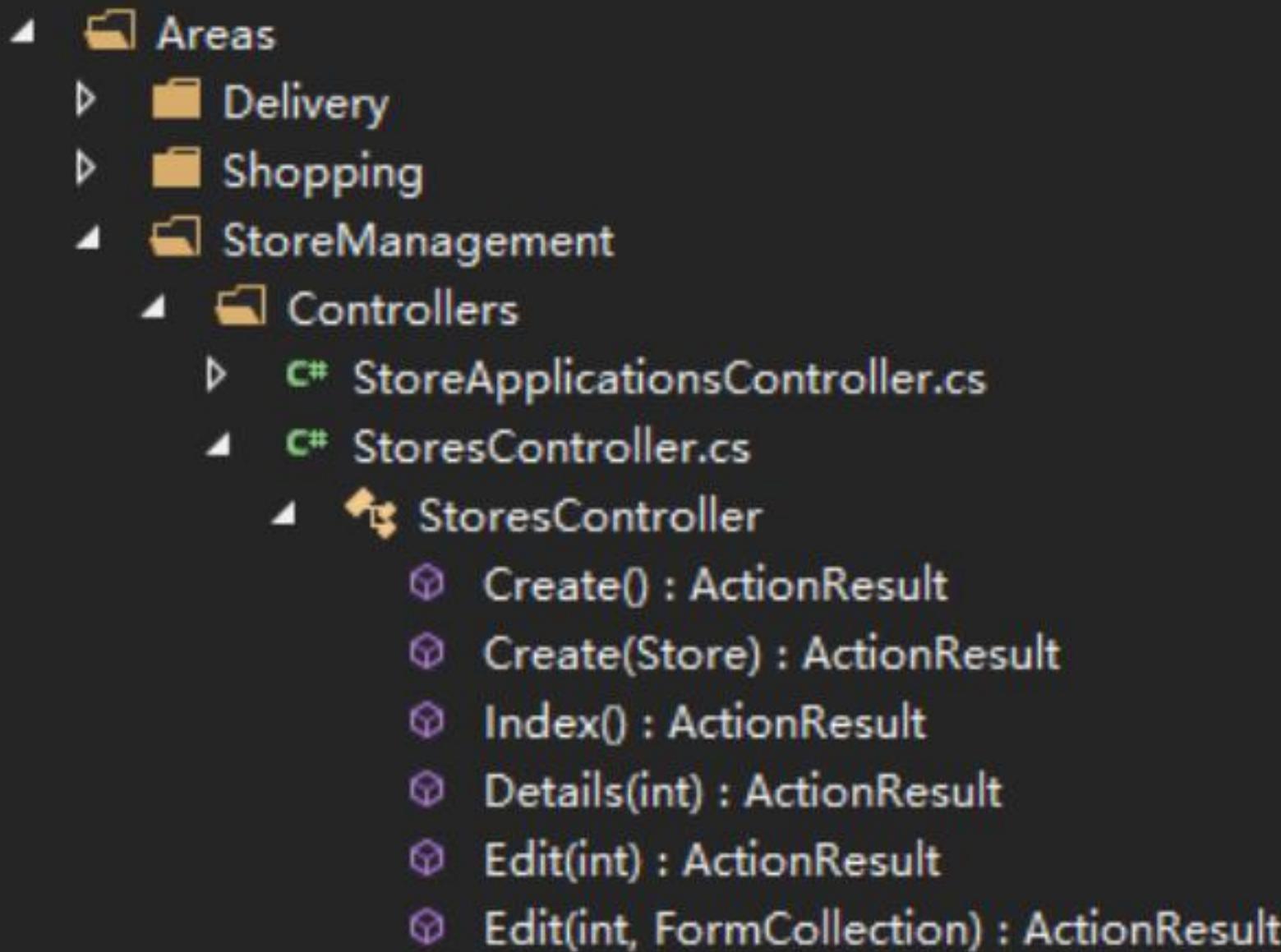
还差什么？What's Missing?



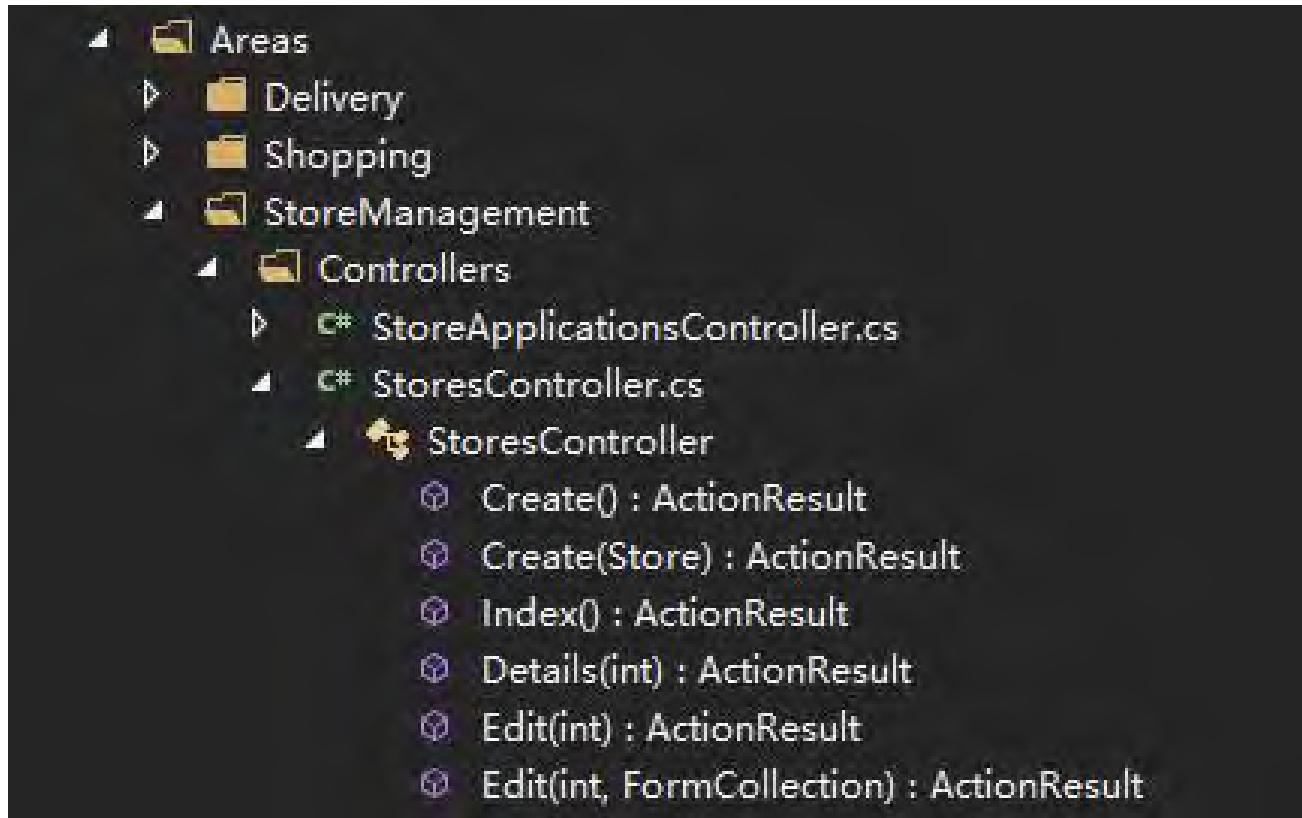
需求与代码 Requirements vs. Code



```
Store
  Properties
  References
  App_Data
  App_Start
  Areas
    Delivery
    Shopping
    StoreManagement
      Controllers
        C# StoreApplicationsController.cs
        C# StoresController.cs
        StoresController
          Create() : ActionResult
          Create(Store) : ActionResult
          Index() : ActionResult
          Details(int) : ActionResult
          Edit(int) : ActionResult
          Edit(int, FormCollection) : ActionResult
          Close(int) : ActionResult
          Close(int, FormCollection) : ActionResult
          CloseDown(int) : ActionResult
          CloseDown(int, FormCollection) : ActionResult
      Models
      Views
```

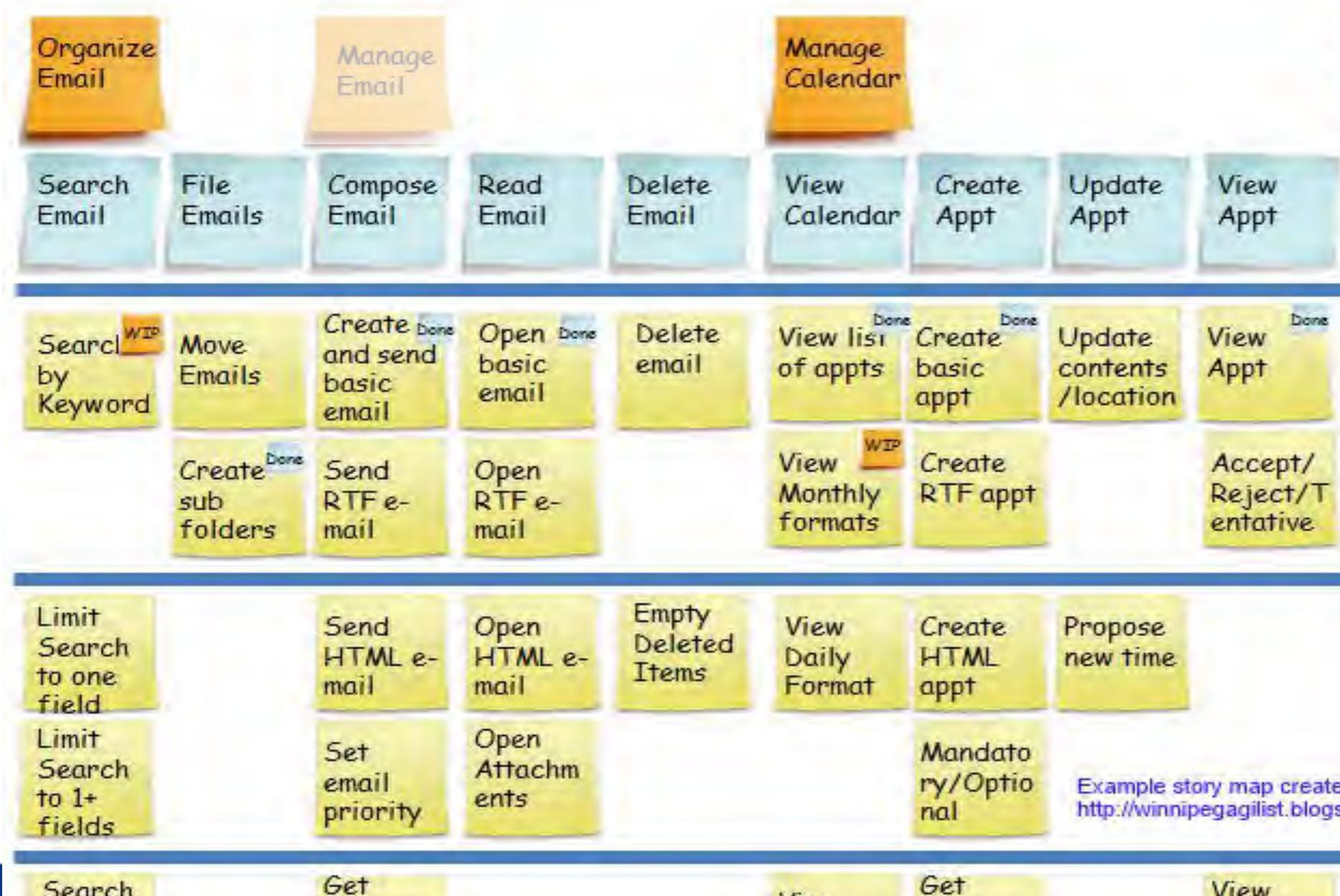


	Asp.net mvc	Java web	Android / IOS
场景 Theme	Area	Package	?
数据 Model	Controller/Model	Controller/Model	Activity/Model
操作 Action	Action	Action	Event Handler



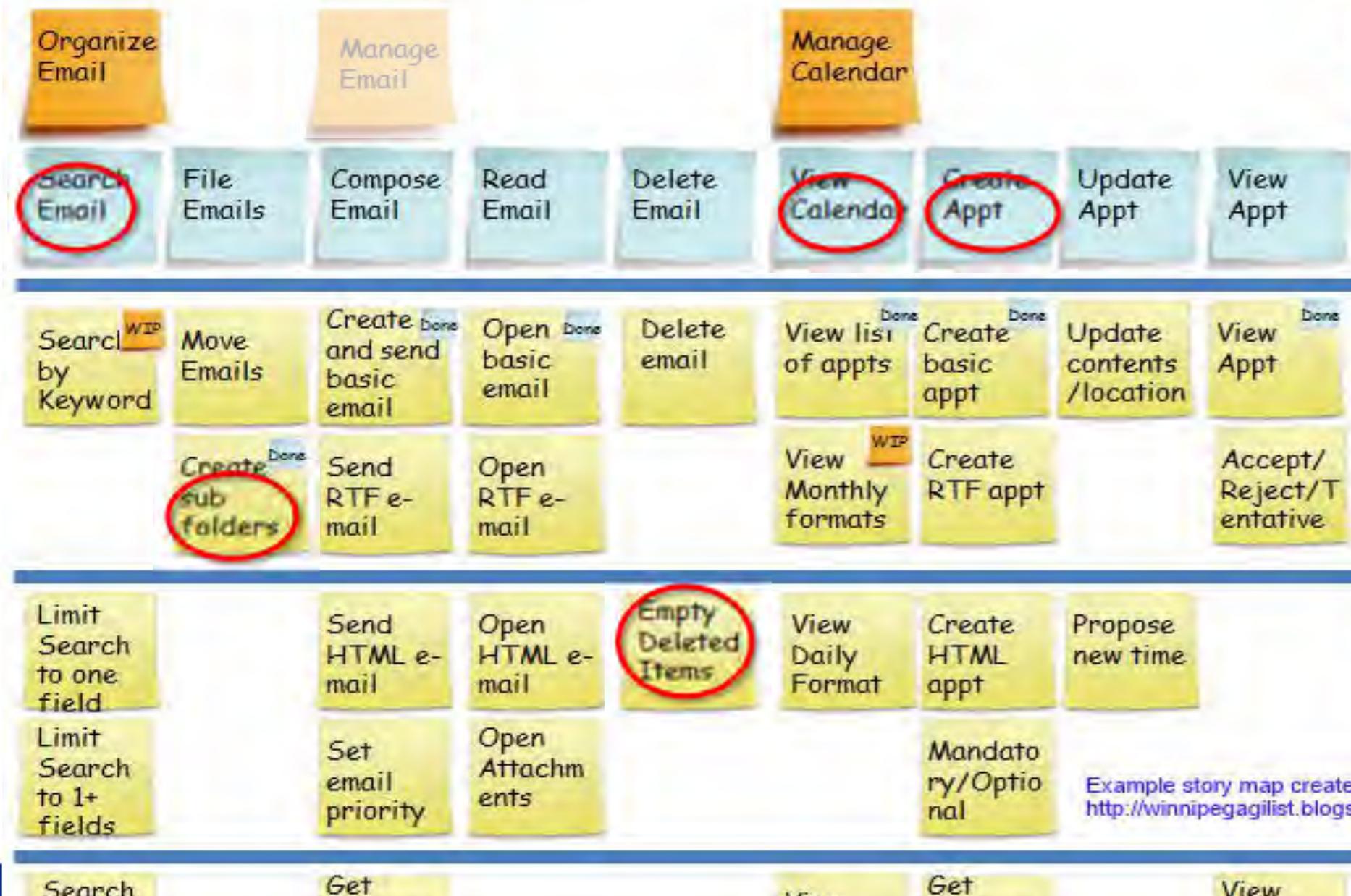
场景 Theme	Area	相对完整独立，可交付的一组功能。 Relatively , independent , deliverable set of functions.
数据 Model	Controller /Model	一个包含一组增查改删功能的业务模型。 A model with a set of CRUD methods.
操作 Action	Action	单个页面级业务需求。 A page level business function.

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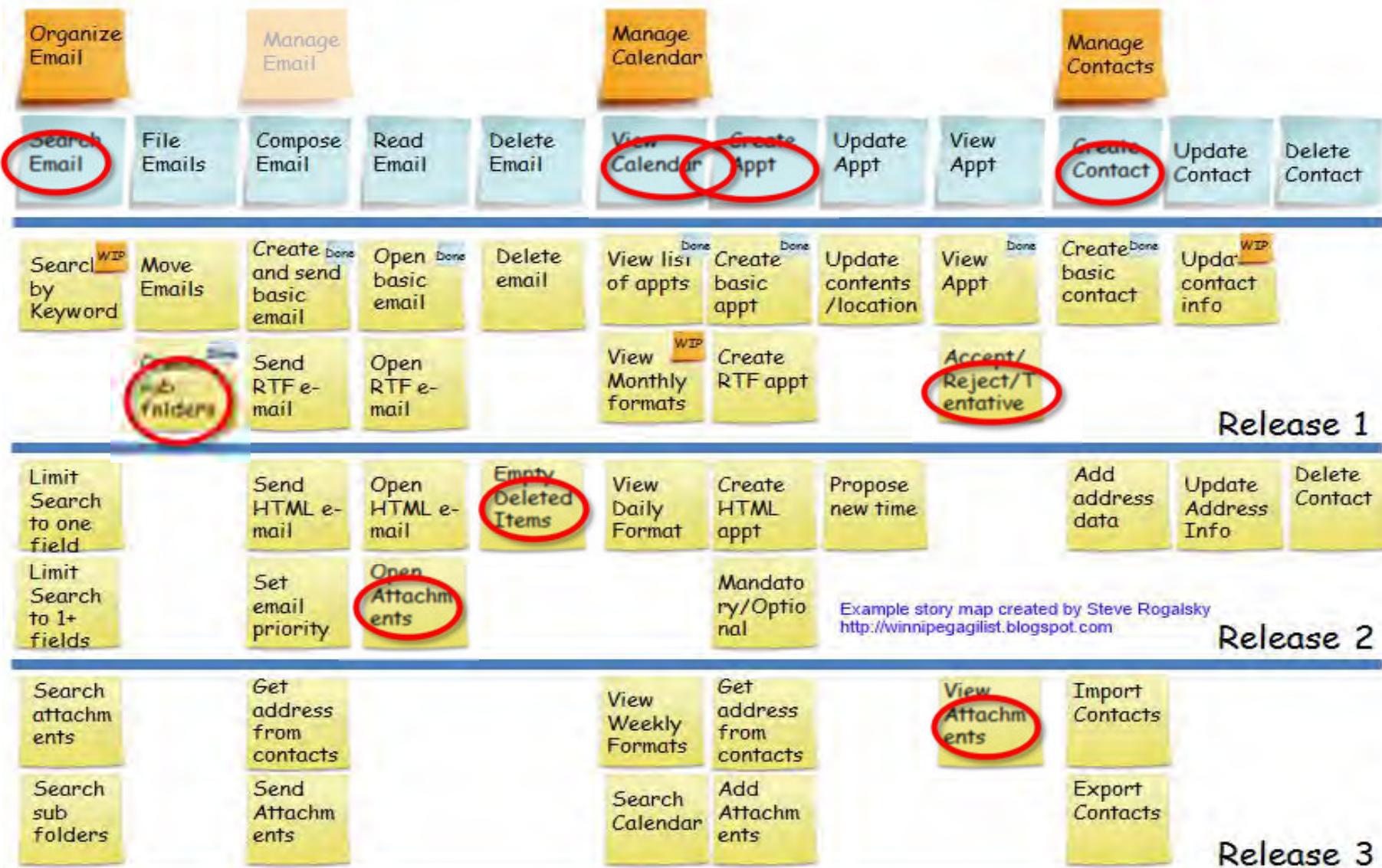


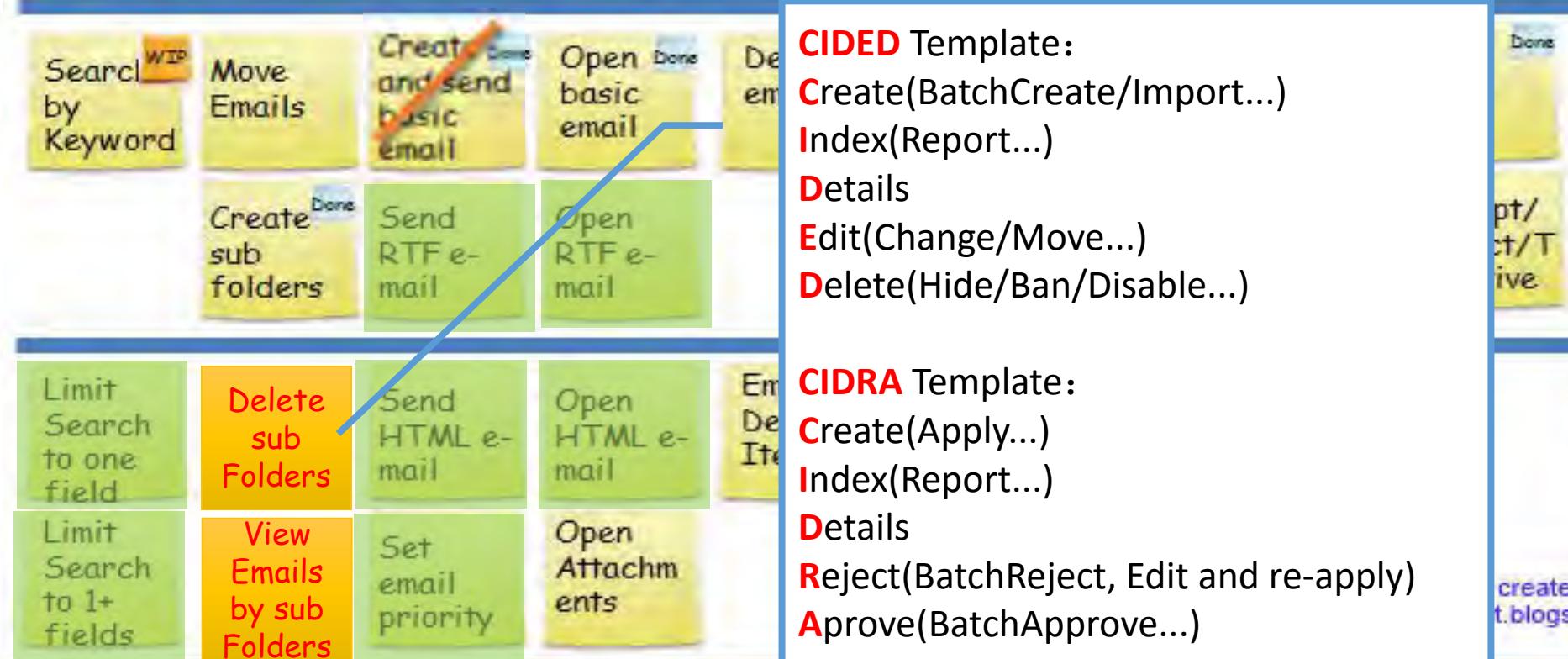
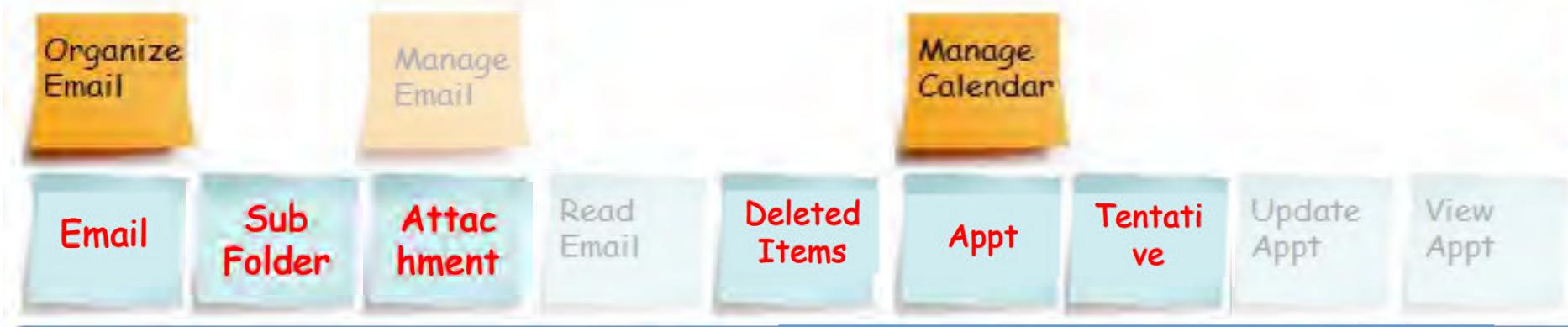
超越用户故事地图 Beyond Story Mapping

TiD2016



超越用户故事地图 Beyond Story Mapping





```
    ▲ Areas
      ▷ CalendarScenario
      ▷ ContactScenario
      ▲ EmailScenario
        ▲ Controllers
          ▷ C* AttachmentsController.cs
          ▷ C* DeletedItemsController.cs
          ▲ C* EmailsController.cs
            ▲ EmailsController
              ⚡ db : ApplicationDbContext
              ⓘ Index() : ActionResult
              ⓘ Details(int?) : ActionResult
              ⓘ Create() : ActionResult
              ⓘ Create(Email) : ActionResult
              ⓘ Edit(int?) : ActionResult
              ⓘ Edit(Email) : ActionResult
              ⓘ Delete(int?) : ActionResult
              ⓘ DeleteConfirmed(int) : ActionResult
              ⓘ Dispose(bool) : void
          ▷ C* SubFolderController.cs
```

场景 Theme	Area	相对完整独立，可交付的一组功能。 A set of relatively independent , deliverable functions.
数据 Model	Controller /Model	一个包含一组增查改删功能的业务模型。 A model with ONE set of CRUD methods. (ONE set = 3~9, averagely 6)
操作 Action	Action	单个页面级业务需求。 A page level business function.
增强 Enhancement	-	对页面、数据或场景的增强。 An enhancement to Action, Model, or the whole Theme.

早期估算 : Early Phase Estimation



$$\text{Effort} = 7 \text{ Model} * 35 + 1 \text{ Interface Model} * 15 = 260 \text{ FP}$$

Create sub folders	Send RTF e-mail	Open RTF e-mail		View Monthly formats	CREATE RTF appt		Accept/Reject/Tentative	Release 1		
Limit Search to one field	Delete sub Folders	Send HTML e-mail	Open HTML e-mail	Empty Deleted Items	View Daily Format	Create HTML appt	Propose new time	Add address data	Update Address Info	Delete Contact
Limit Search to 1+ fields	View Emails by sub Folders	Set email priority	Open Attachments			Mandatory/Optional		Example story map created by Steve Rogalsky http://winnipegagilelist.blogspot.com		
Search attachments	Rename sub Folders	Get address from contacts		View Weekly Formats	Get address from contacts		View Attachments	Import Contacts		
Search sub folders		Send Attachments		Search Calendar	Add Attachments			Export Contacts		



260 Man-days

7+1 Controllers/Models

48 Pages

72 Actions

13,000 LOC(Java, C#)

312 Testcases

三合一方案 3 in 1 solution



Initiative

Epic

Epics Initiatives + Create Initiative Import Issues Releases: All

#	Title	Release	Team
1	World-class product experience	CP 1.0, 1.5	The Av
1	> Shiny web frontend	CP 1.0	The Av
3	> Blazing-fast server	CP 1.0, 1.5	The Av
	Make it faster	CP 1.0	The Be
	Make it smarter	CP 1.5	The Av
	Calculate some stuff	CP 1.5	The Av

Email Sub Folder Attachment Manage Attachments Deleted Items Appt Tentative Update Appt View Appt

Organize Email Manage Calendars Manage Calendar

Search by Keyword Move Emails Create and send basic email Open basic email Delete email View list of appts Create basic appt Update contents /location View Appt

Create sub-folders Send RTF e-mail Open RTF e-mail View Monthly formats Create RTF appt Accept Rejection

Limit Search to one field Send HTML e-mail Open HTML e-mail Empty Deleted Items View Daily Format Create HTML appt Propose new time

Limit Search to 1+ fields Set email priority Open Attachments Mandatory/Optional Example story map created <http://livesmoothgit.blogspot.com>

Search Get View

Areas

- CalendarScenario
- ContactScenario
- EmailScenario
 - Controllers
 - C* AttachmentsController.cs
 - C* DeletedItemsController.cs
 - C* EmailsController.cs
 - _emailsController
 - db : ApplicationDbContext
 - Index() : ActionResult
 - Details(int?) : ActionResult
 - Create() : ActionResult
 - Create(Email) : ActionResult
 - Edit(int?) : ActionResult
 - Edit(Email) : ActionResult
 - Delete(int?) : ActionResult
 - DeleteConfirmed(int) : ActionResult
 - Dispose(bool) : void

C* SubFolderController.cs

创新可视化

Innovation Visualization

从创新到用户故事地图

From Innovation to Story Mapping

高层产品版本规划

High Level Product Roadmap

早期估算

Early Phase Estimation

用户故事穷举

Story Exhaustion

从故事到测试用例

From Story to Testcase

需求结构与团队结构

From Story Structure to Team Structure

敬请关注：QUML & AUP2 QUML book = “百度阅读 QUML”

