

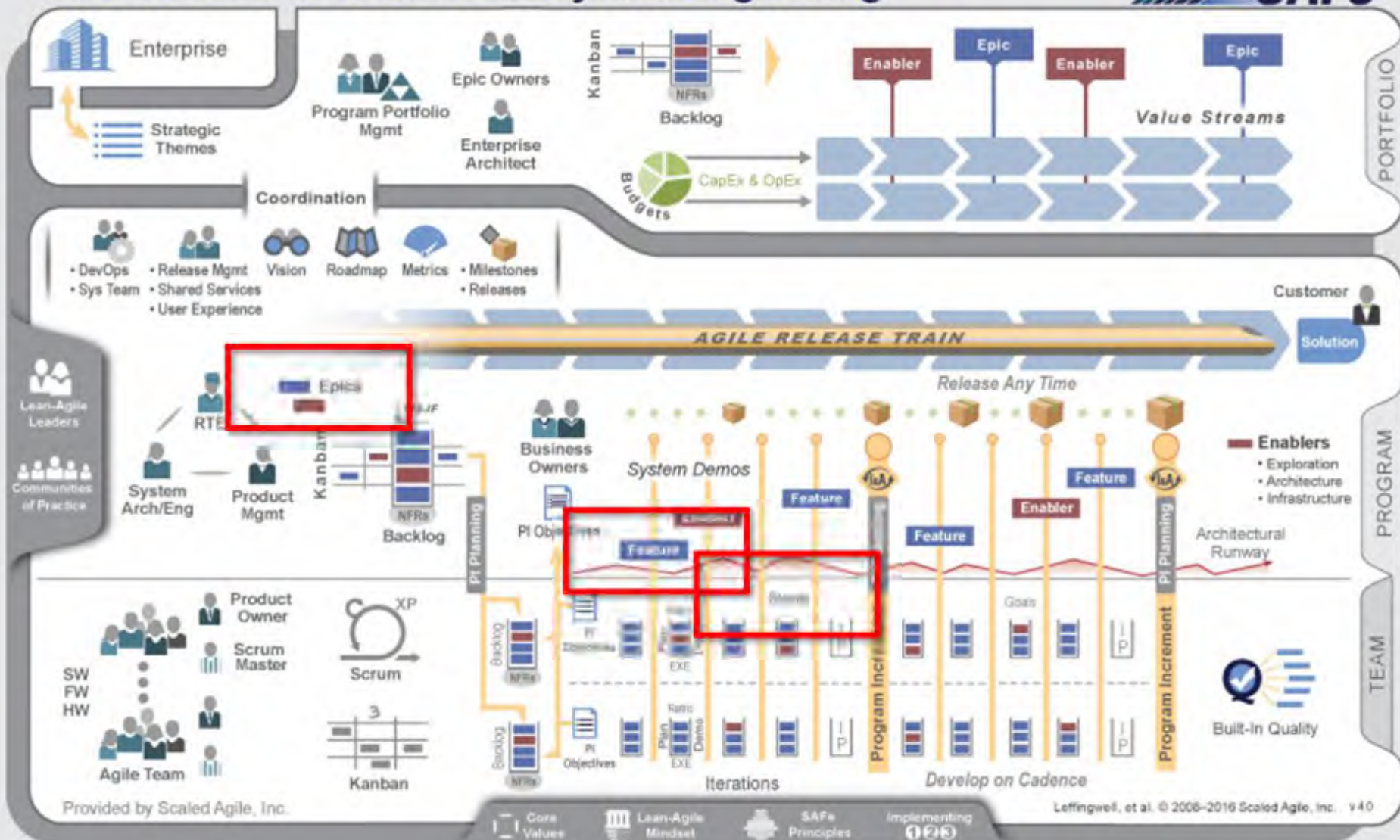
# 超越用户故事地图 Beyond Story Mapping

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# 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**

Current  
Sprint 1  
Future  
Sprint 2  
Sprint 3  
Sprint 4  
Sprint 5  
Sprint 6

## Backlog items

Backlog Board Mapping On Parents **Show** In progress items Show

Create query Column options

| 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 TiD2016

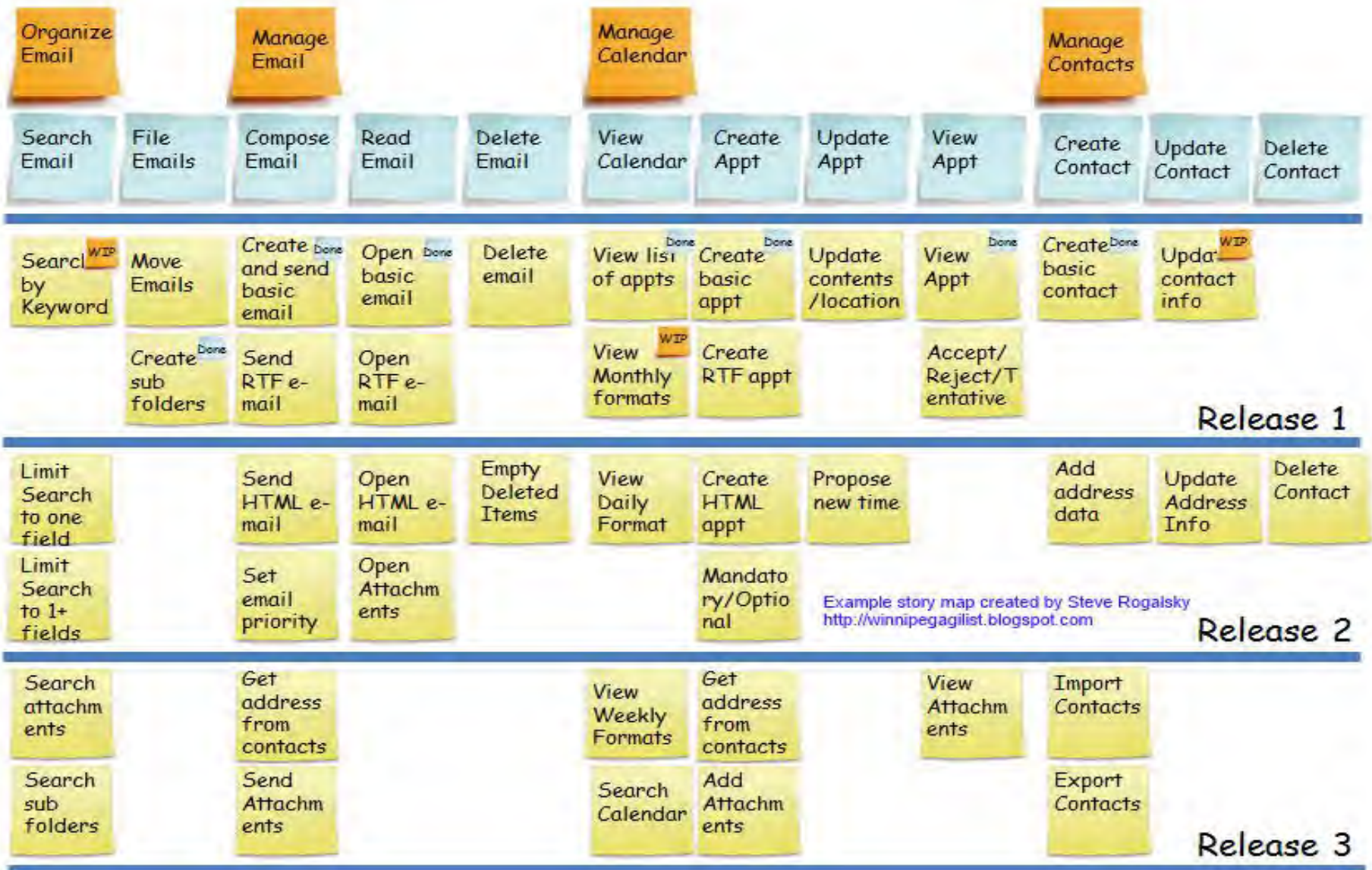
Initiative

Epic

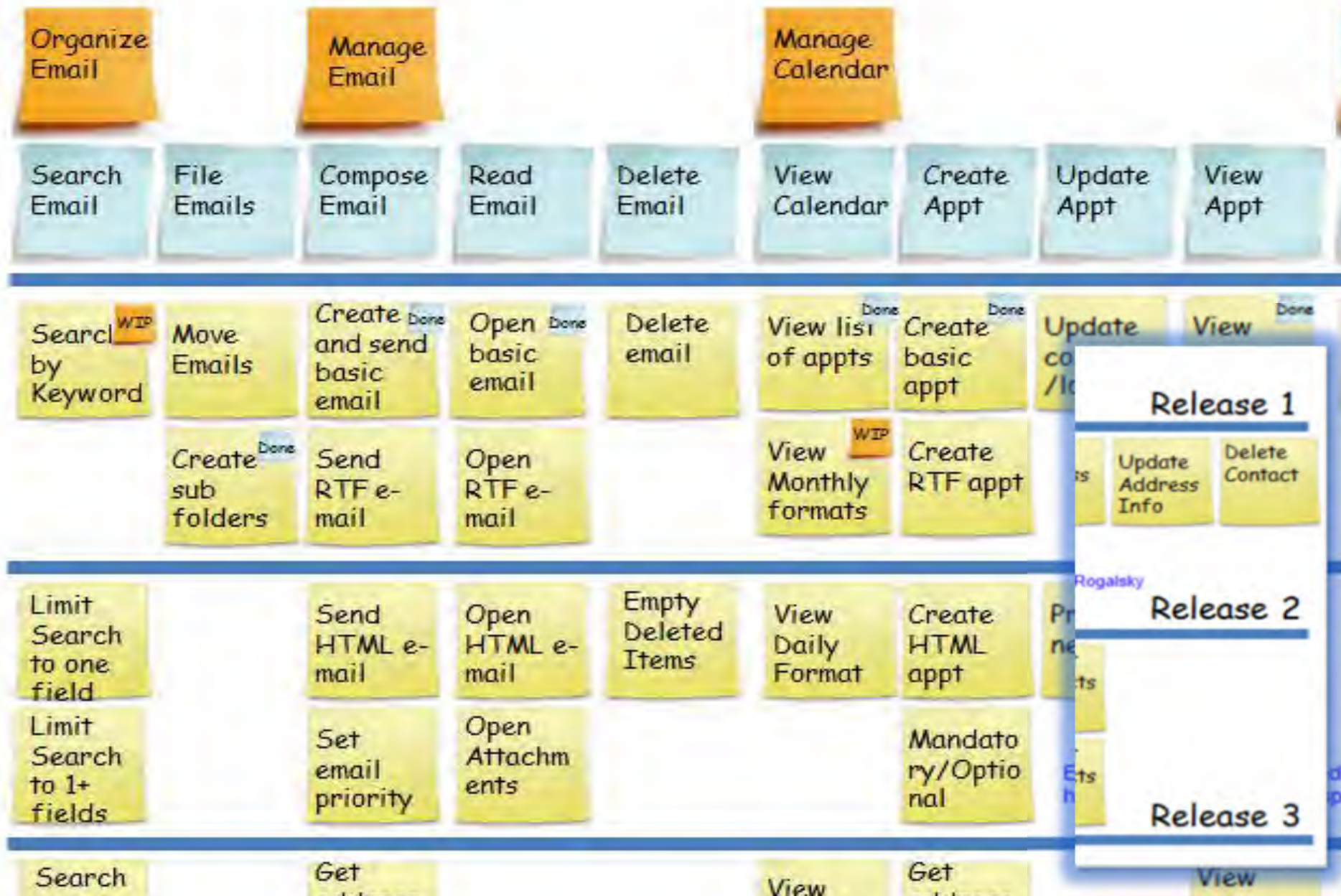
|       |                                    |             |          |                     |  |               |  |               |  |            |  |                |  |
|-------|------------------------------------|-------------|----------|---------------------|--|---------------|--|---------------|--|------------|--|----------------|--|
| Epics |                                    | Initiatives |          | + Create Initiative |  | Import Issues |  | Releases: All |  | Teams: All |  | Estimates: All |  |
| #     | Title                              | Release     |          | Team                |  | Sprints       |  |               |  |            |  |                |  |
| ▼     | World-class product experience     | CP          | 1.0, 1.5 | The Avengers, T...  |  | more than 5   |  |               |  |            |  |                |  |
| 1     | > Shiny web frontend               | CP          | 1.0      | The Avengers, T...  |  | more than 5   |  |               |  |            |  |                |  |
| 3     | ▼ Blazing-fast server              | CP          | 1.0, 1.5 | The Avengers, T...  |  | more than 5   |  |               |  |            |  |                |  |
|       | Make it faster                     | CP          | 1.0      | The Beatles         |  | Sprint 1, Spr |  |               |  |            |  |                |  |
|       | Make it smarter                    | CP          | 1.5      | The Avengers        |  | Sprint 4, Spr |  |               |  |            |  |                |  |
|       | Calculate some stuff               | CP          | 1.5      | The Avengers        |  | Sprint 4, Spr |  |               |  |            |  |                |  |
|       | Calculate even more stuff          | CP          | 1.5      | The Beatles         |  | Sprint 3, Spr |  |               |  |            |  |                |  |
|       | Server exploration and prototyping | CP          | 1.0      | The Avengers        |  | Sprint 1      |  |               |  |            |  |                |  |

Story

# Story Mapping: Activity, Task, Sub-task



# Story Mapping: Activity, Task, Sub-task





The backbone

time

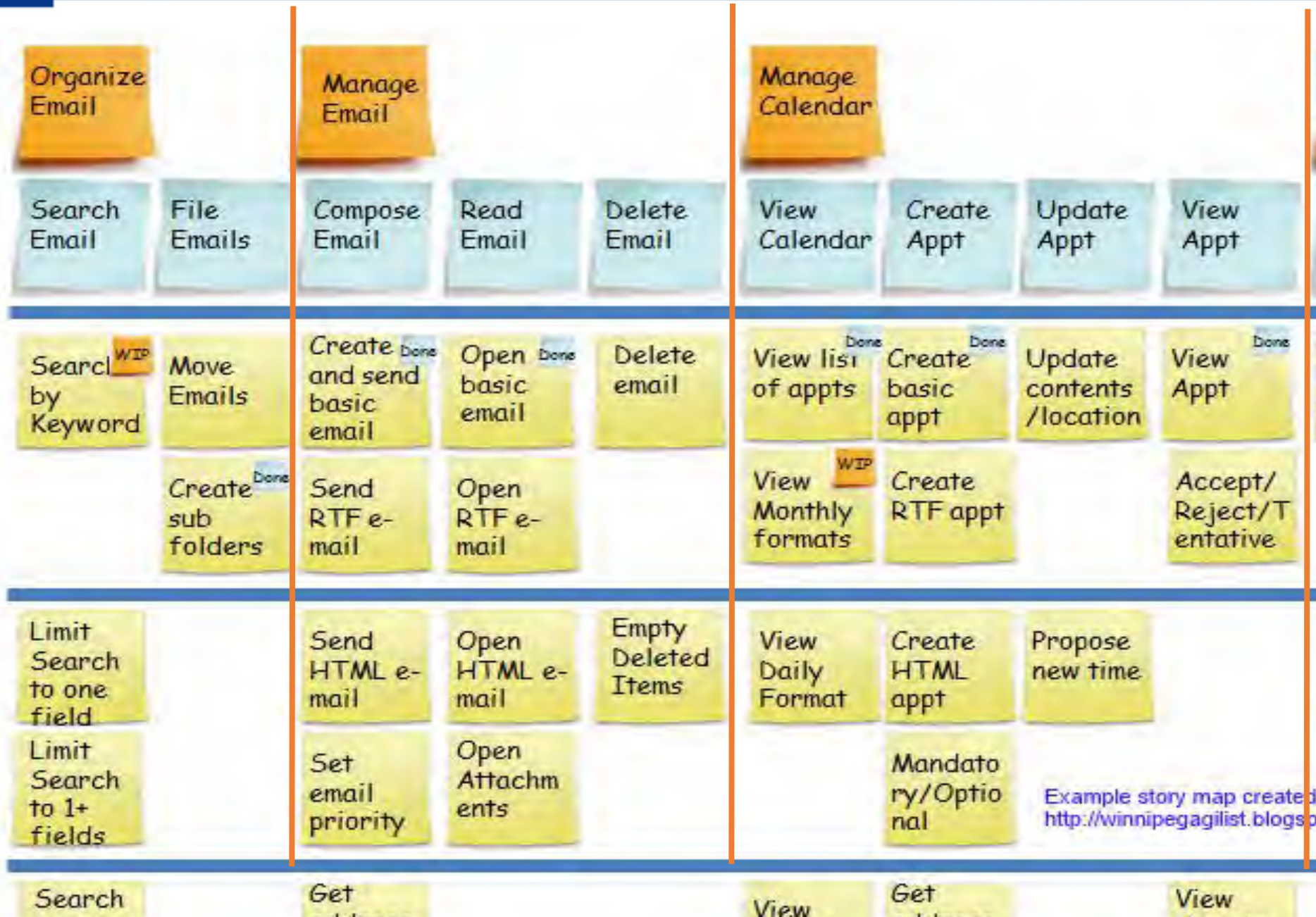
The walking skeleton

necessity

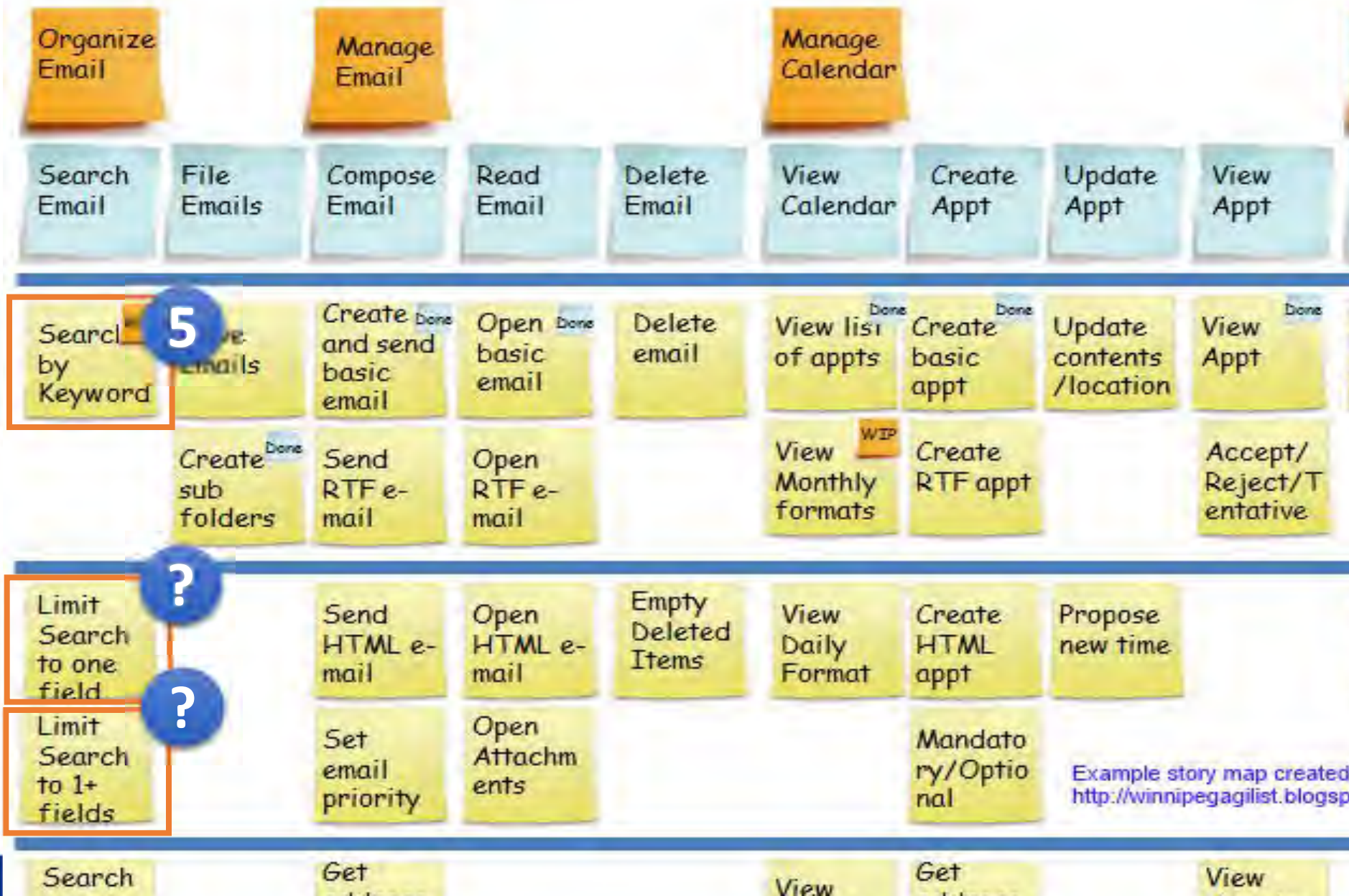




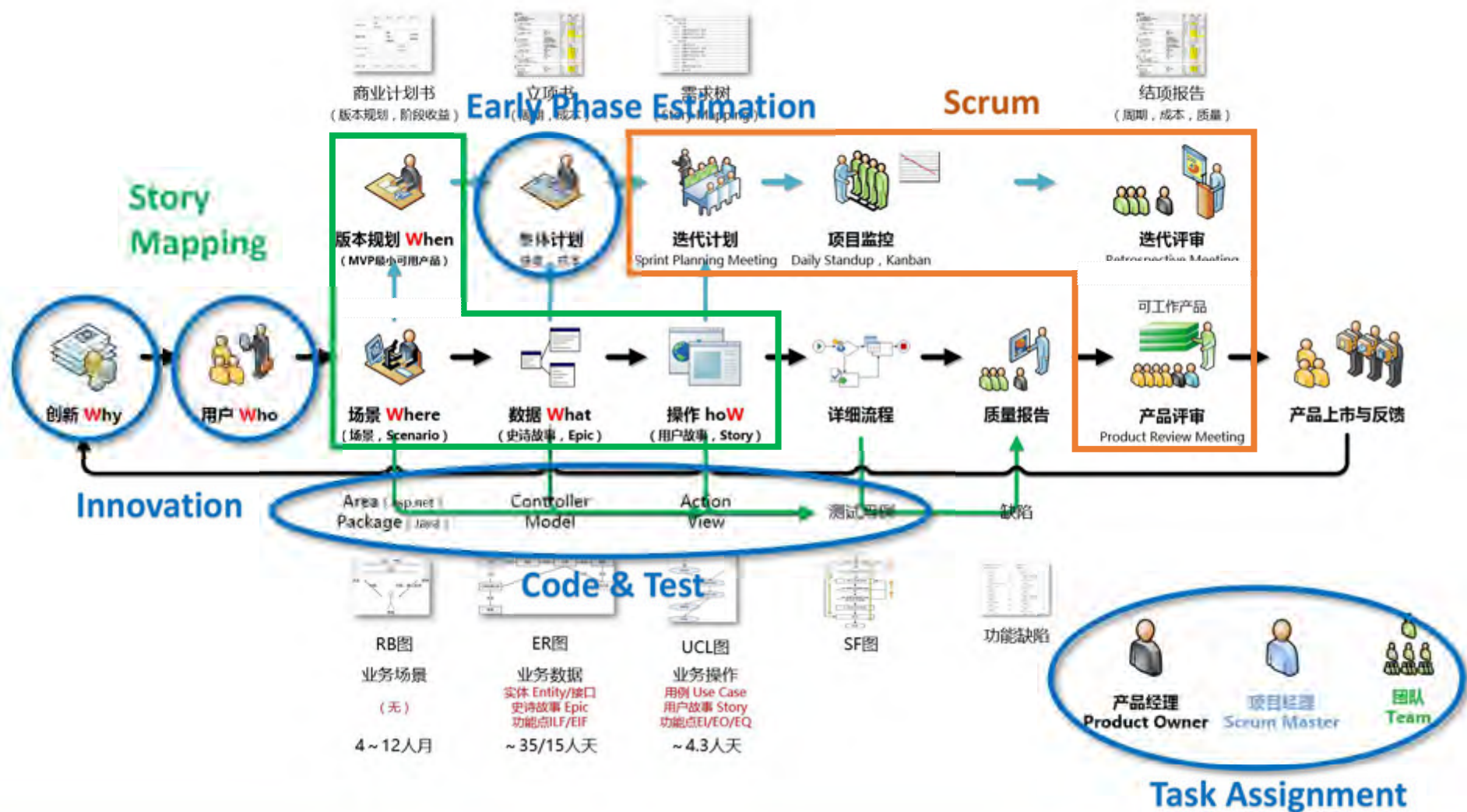
# 存在什么问题？What's Wrong?



# 存在什么问题？What's Wrong?



# 还差什么? What's Missing?



## 需求与代码 Requirements vs. Code

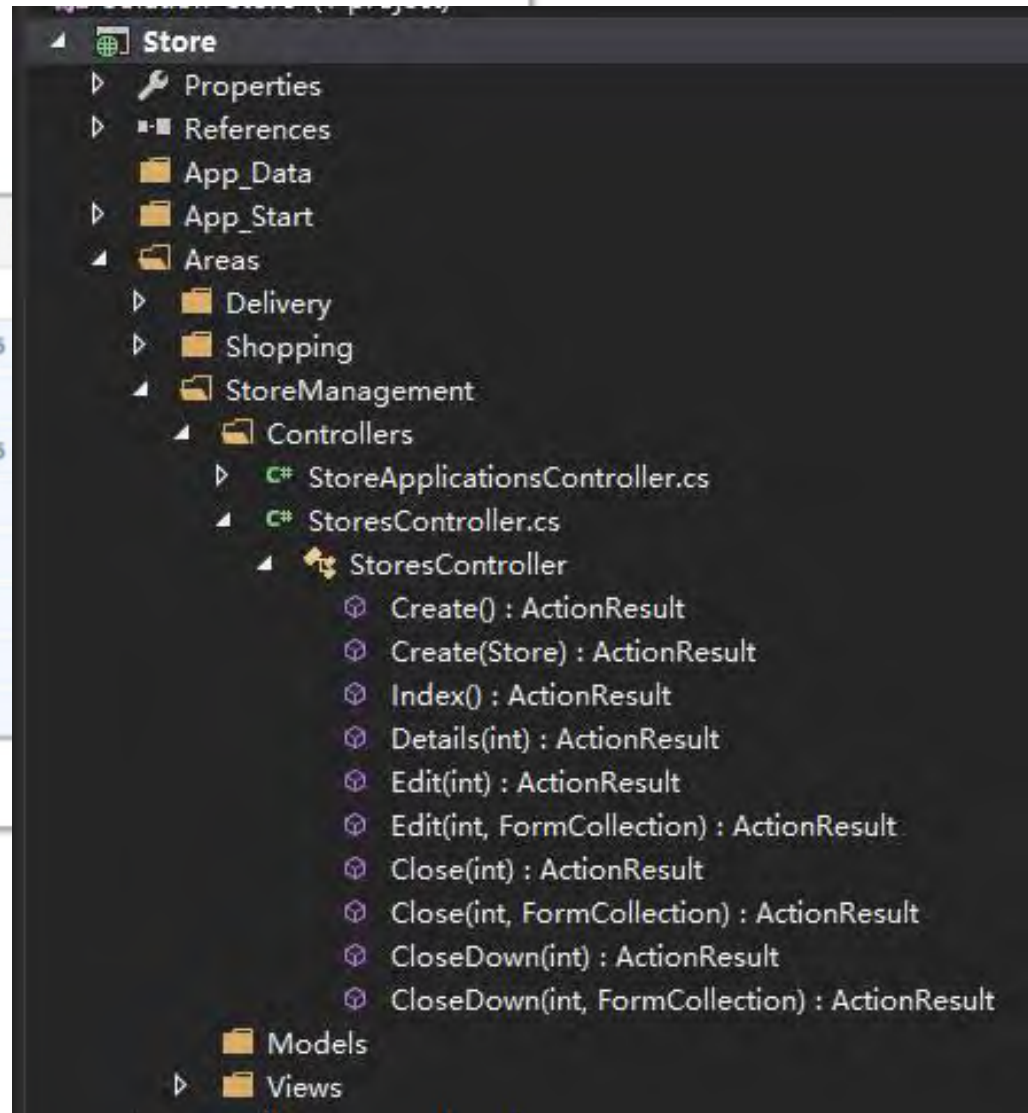


The screenshot shows a Jira backlog with the following items:

| # | Title                              | Release     |
|---|------------------------------------|-------------|
| ▼ | World-class product experience     | CP 1.0, 1.5 |
| 1 | > Shiny web frontend               | CP 1.0      |
| 3 | ▼ Blazing-fast server              | CP 1.0, 1.5 |
|   | Make it faster                     | CP 1.0      |
|   | Make it smarter                    | CP 1.5      |
|   | Calculate some stuff               | CP 1.5      |
|   | Calculate even more stuff          | CP 1.5      |
|   | Server exploration and prototyping | CP 1.0      |

Annotations in the image:

- Initiative:** Points to the "World-class product experience" item.
- Epic:** Points to the "Shiny web frontend" item.
- Story:** Points to the "Make it faster" item.

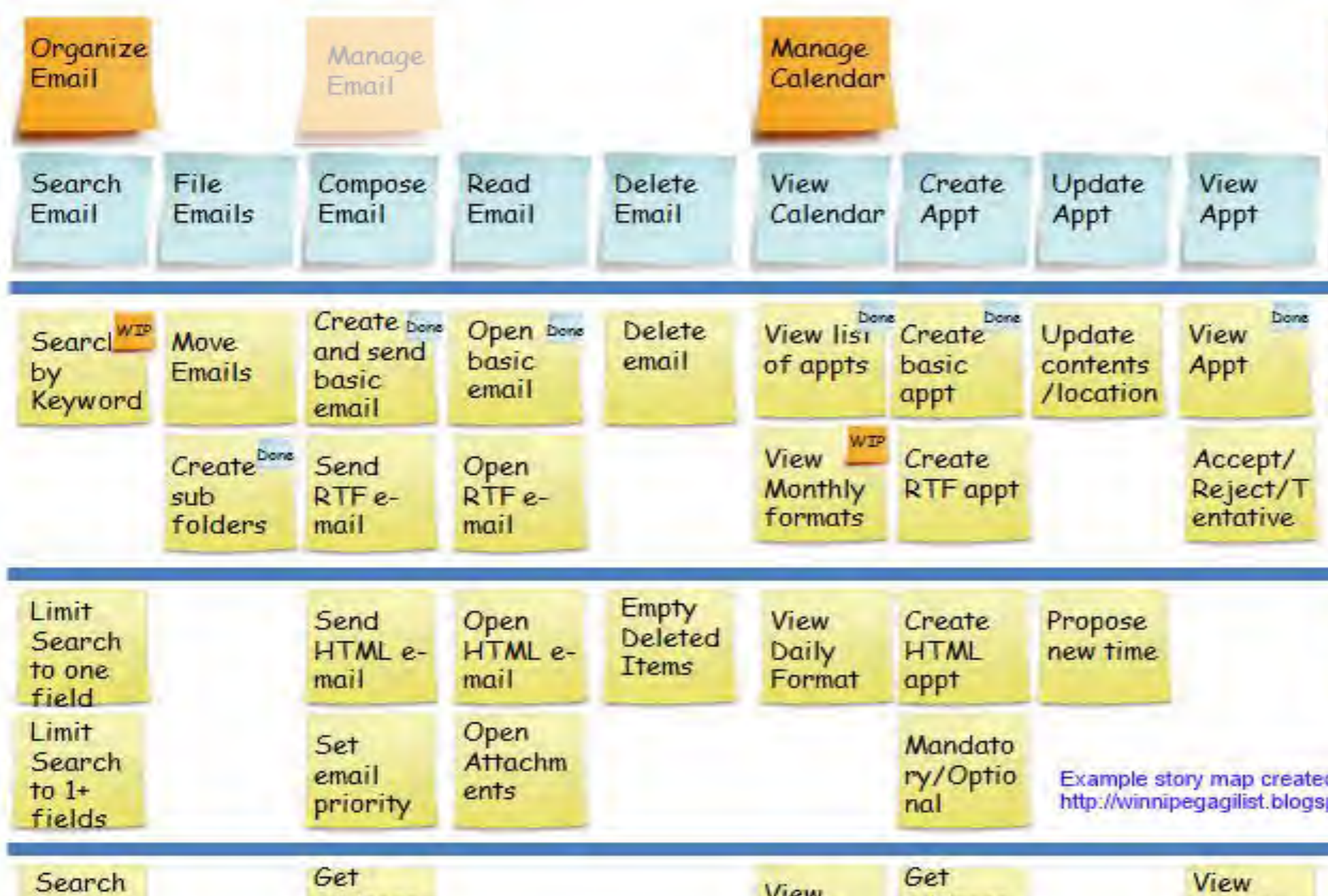


- ▲  Areas
  - ▷  Delivery
  - ▷  Shopping
  - ▲  StoreManagement
    - ▲  Controllers
      - ▷  StoreApplicationsController.cs
      - ▲  StoresController.cs
        - ▲  StoresController
          - ⊞ Create() : ActionResult
          - ⊞ Create(Store) : ActionResult
          - ⊞ Index() : ActionResult
          - ⊞ Details(int) : ActionResult
          - ⊞ Edit(int) : ActionResult
          - ⊞ Edit(int, FormCollection) : ActionResult

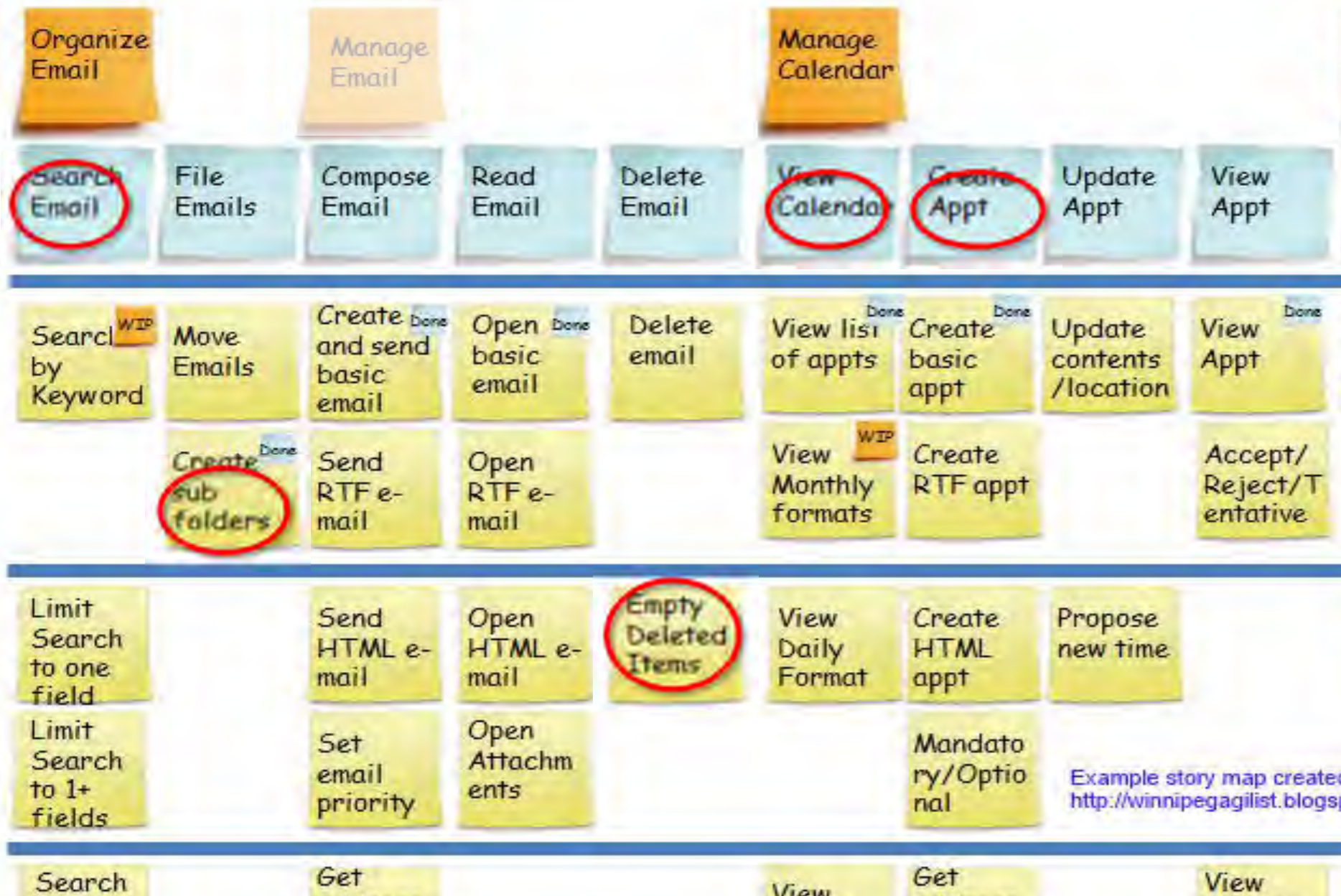
|           | Asp.net mvc      | Java web         | Android / IOS  |
|-----------|------------------|------------------|----------------|
| 场景 Theme  | Area             | Package          | ?              |
| 数据 Model  | Controller/Model | Controller/Model | Activity/Model |
| 操作 Action | Action    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

```
└─ Areas
   └─ Delivery
   └─ Shopping
   └─ StoreManagement
      └─ Controllers
         └─ StoreApplicationsController.cs
         └─ StoresController.cs
            └─ StoresController
               ├── Create() : ActionResult
               ├── Create(Store) : ActionResult
               ├── Index() : ActionResult
               ├── Details(int) : ActionResult
               ├── Edit(int) : ActionResult
               └── Edit(int, FormCollection) : ActionResult
```

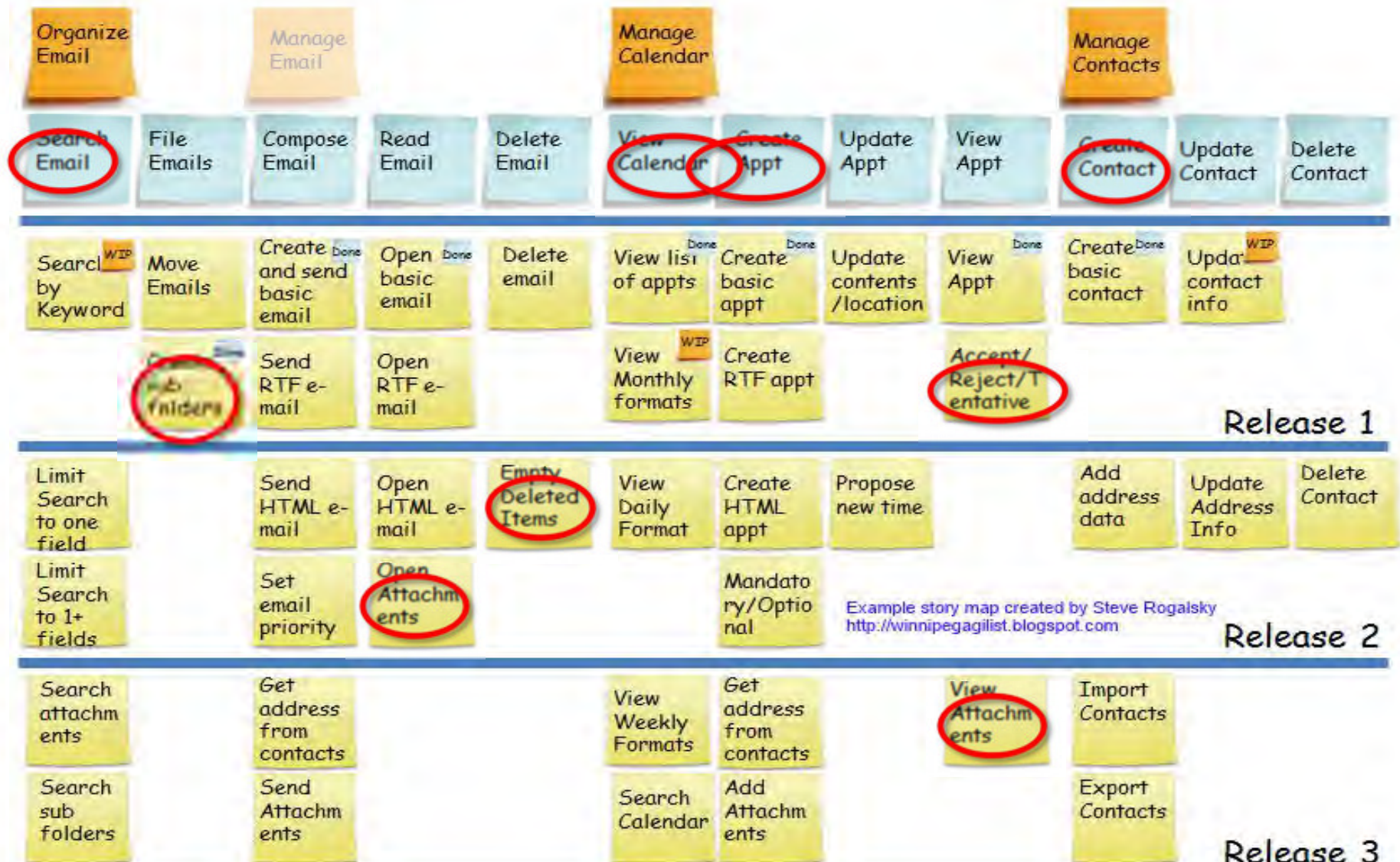
|           |                   |                                                                            |
|-----------|-------------------|----------------------------------------------------------------------------|
| 场景 Theme  | Area              | 相对完整独立，可交付的一组功能。<br>Relatively, independent, 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。<br>A model with a set of CRUD methods.                  |
| 操作 Action | Action            | 单个页面级业务需求。<br>A page level business function.                              |

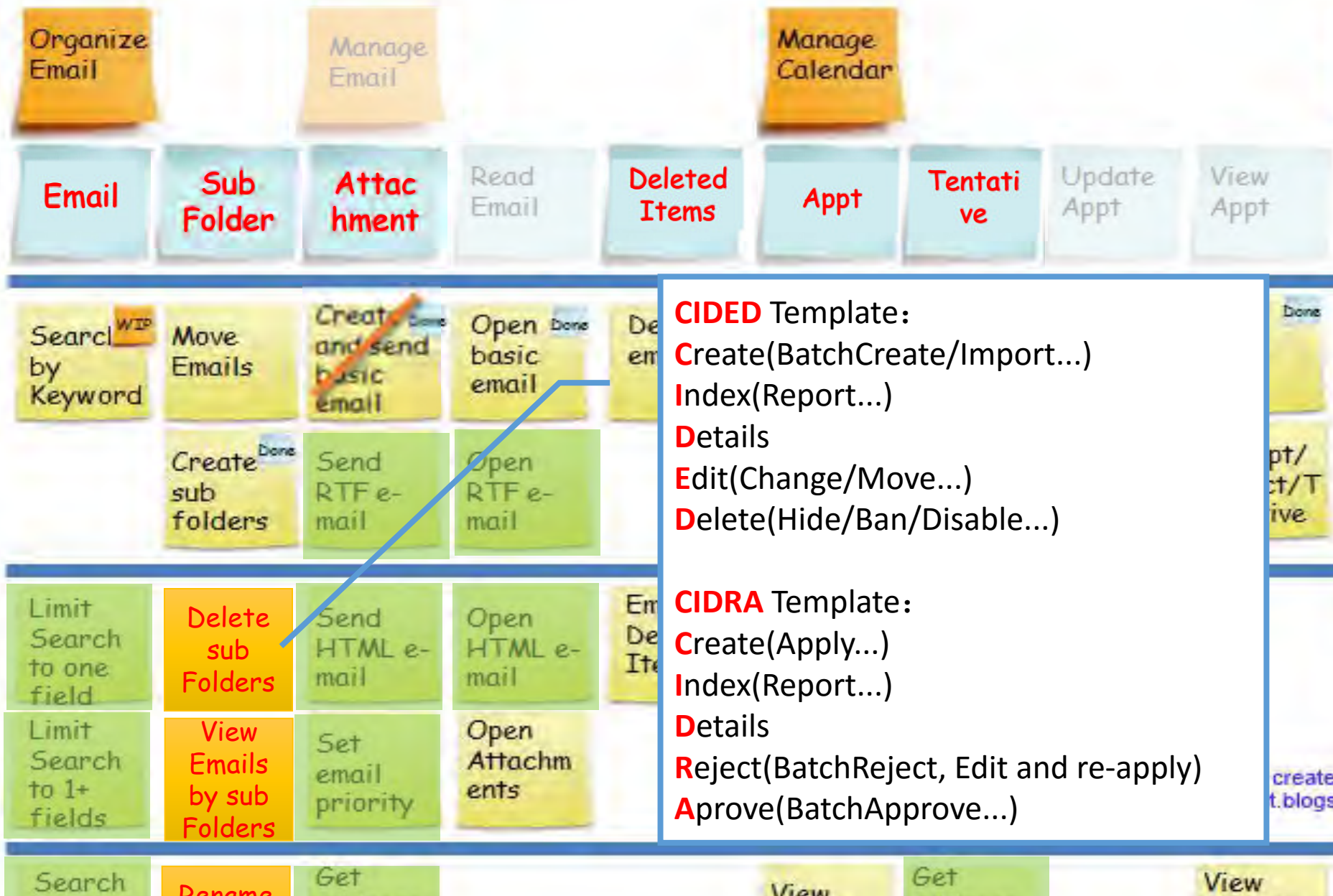


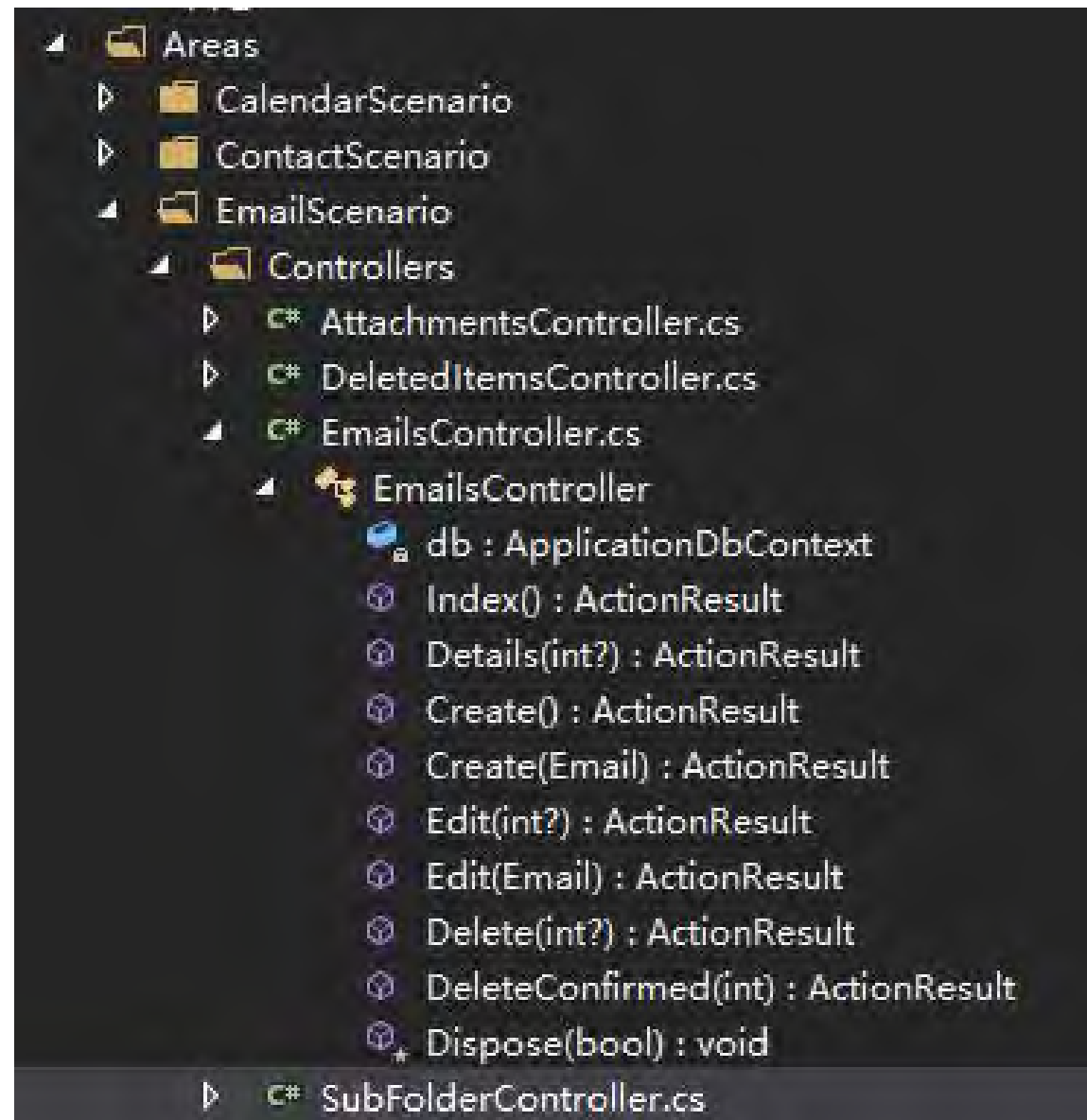
# 超越用户故事地图 Beyond Story Mapping



# 超越用户故事地图 Beyond Story Mapping







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

# 早期估算 : Early Phase Estimation



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

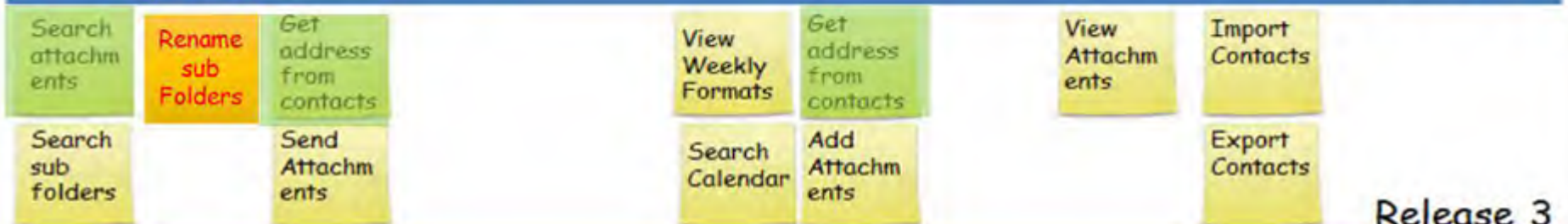


Release 1



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

Release 2



Release 3



**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



```
Areas
├── CalendarScenario
├── ContactScenario
├── EmailScenario
│   ├── Controllers
│   │   ├── AttachmentsController.cs
│   │   ├── DeletedItemsController.cs
│   │   └── EmailsController.cs
│   │       ├── 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
│   └── 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”

