Appendix A

Writing and Splitting Stories

SCALED AGILE® © Scaled Agile, Inc.

A.1

A.1 INVEST in a Good Story

SCALED AGILE * © Scaled Agile, Inc.

INVEST in a good Story



SCALED AGILE® © Scaled Agile, Inc.

A.3

Stories are Independent

- ▶ Write closed Stories
- ▶ Slice through the architecture (vertical)
- ▶ Write only the delta (the change)
- ▶ Remove non-value dependencies (both technical and functional)

Non-value dependencies

As an administrator, I can set the consumer's password security rules so that users are required to create and retain secure passwords, keeping the system secure.

As a consumer, I am required to follow the password security rules set by the administrator so that I can maintain high security for my account.



Split in different manner: setup and enforcement in each Story

As an administrator, I can set the password expiration period so that users are forced to change their passwords periodically.

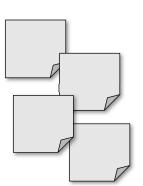
As an administrator, I can set the password strength characteristics so that users are required to create passwords that are difficult to hack.

SCALED AGILES® © Scaled Agile, Inc.

Α.4

Stories are **N**egotiable

- ▶ User stories are statements of *intent*, not contracts or detailed requirements
- ▶ Too much detail gives impression of false precision or completeness
- ▶ Flexibility drives release schedule and goals

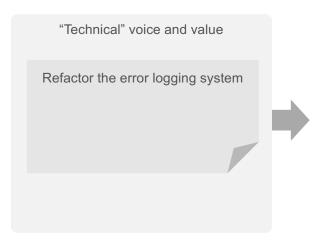


SCALED AGILE® © Scaled Agile, Inc.

A.5

Stories are **V**alued by users

- ▶ Write Stories in the voice of the Customer
- ▶ Write for one user



User voice and value

As a consumer, I can receive a consistent and clear error message anywhere in the product so that I know how to address the issue.

As a technical support member, I want the user to receive a consistent and clear message anywhere in the application so they can fix the issue without calling support.

SCALED AGILES® © Scaled Agile, Inc.

Stories are **E**stimable

User stories are for planning and tracking

▶ To measure release progress, each Story needs an estimate of size

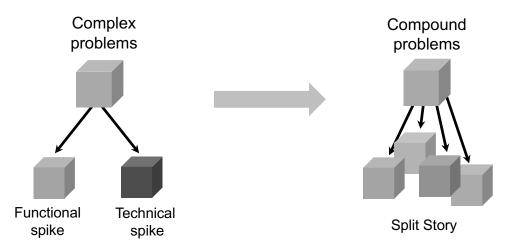
Estimating may be difficult because ...

- ▶ Developers lack the domain knowledge to know what is to be done
- ▶ Developers lack the technical knowledge to know how to do something
- ▶ The Story is too big or too vague

SCALED AGILES® © Scaled Agile, Inc.

A.7

Stories are **S**mall enough to fit in iterations



SCALED AGILES® Scaled Agile, Inc.

Stories are **T**estable

- ▶ Write Stories that are testable
- ▶ Include acceptance criteria for each Story

Not testable

As a power generation company salesperson, I want my search results to return quickly so that I can find relevant contacts for the information I am searching.

Testable

As a power generation company salesperson, I want to receive the first page of search results within 3 seconds so that I can find relevant contacts quickly.

SCALED AGILES® © Scaled Agile, Inc

A.9

A.2 Splitting Features and Stories

SCALED AGILE * © Scaled Agile, Inc.

Splitting Features and Stories

Techniques for splitting Features and Stories to fit within their boundaries (PI and Iteration respectively)

- 1. Work flow steps
- 2. Business rule variations
- 3. Major effort
- 4. Simple/complex
- 5. Variations in data

- 6. Data methods
- 7. Defer system qualities
- 8. Operations
- 9. Use-case scenarios
- 10. Break out a spike

SCALED AGILE® © Scaled Agile, Inc.

A.11

1. Split by work flow steps

Identify specific steps that a user takes to accomplish a work flow, then implement the work flow in increments.

As a utility, I want to update and publish pricing programs to the Customer's in-home display

... I can publish pricing programs to my Customer ...

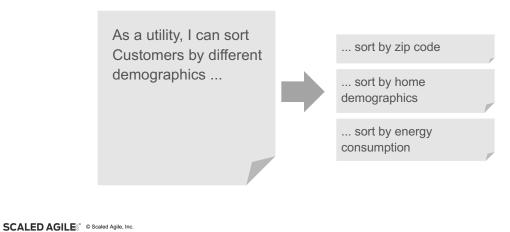
... I can send a message to the Customer's web portal

... I can publish the pricing table to a Customer's smart thermostat

SCALED AGILES® Scaled Agile, Inc.

2. Split by business rule variations

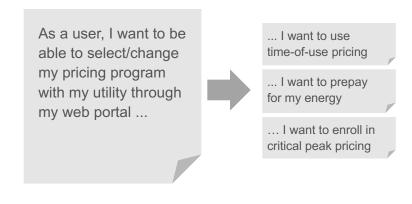
Business rule variations often provide a straightforward splitting scheme.



A.13

3. Split by major effort

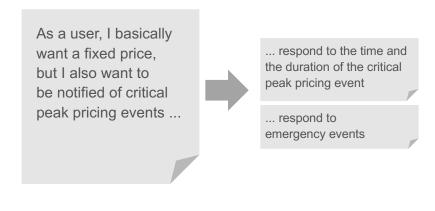
Split into several parts, with the first requiring the most effort. More functionality can be added later on.



SCALED AGILE®® Scaled Agile, Inc.

4. Split by simple/complex

Simplify! What's the simplest version that can possibly work?

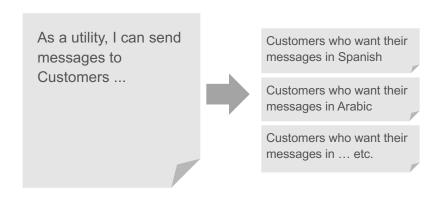


SCALED AGILE® © Scaled Agile, Inc.

A.15

5. Split by variations in data

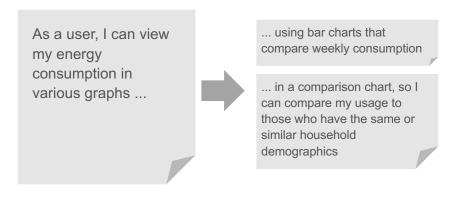
Variations in data provide additional opportunities, such as those shown in this localization example.



SCALED AGILES® © Scaled Agile, Inc.

6. Split by data methods

Complexity can be in the interface rather than the functionality itself. Split these Stories to build the simplest interface first.

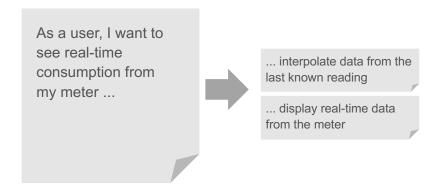


SCALED AGILE® © Scaled Agile, Inc

A.17

7. Split by deferring system qualities

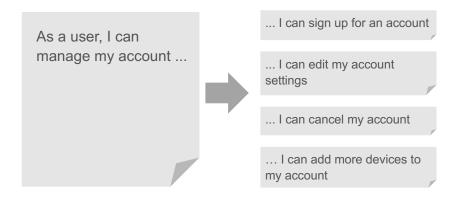
Sometimes functionality isn't that difficult. More effort may be required to make it faster ... or more precise ... or more scalable.



SCALED AGILES® Scaled Agile, Inc.

8. Split by operations

Split by type of operation: Create Read Update Delete (CRUD)

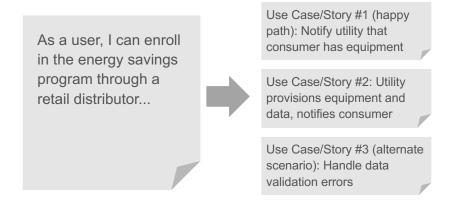


SCALED AGILE® © Scaled Agile, Inc.

A.19

9. Split by use case scenarios

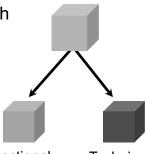
If use cases are used to represent complex interaction, the Story can be split via the individual scenarios.



SCALED AGILES® © Scaled Agile, Inc.

10. Break out a spike

- ▶ A Story or Feature may not be understood well enough to estimate. Build a technical or functional spike to figure it out, then split the Story based on that result.
- ▶ Sometimes the team needs to develop a design, or prototype an idea
- ▶ Spikes are demonstrable, like any other Story



Functional spike

Technical spike

SCALED AGILES® © Scaled Agile, Inc.