

SPLITTING USERSTORIES



SPLITTING USERSTORIES



- How do you eat an elephant?
- One bite at a time.
- I know this is a cheesy joke, but in real work, teams often have to work on user stories or features that are complex or huge, and it can feel like eating an elephant.

WHY SPLIT USER STORIES?

Splitting the user story

1. optimizes and focuses on the 20% of the work that is highly valuable
2. deprioritizes the stories that are not so valuable

WHY SPLIT USER STORIES?

2. Teams split user stories because they have a shorter iteration.

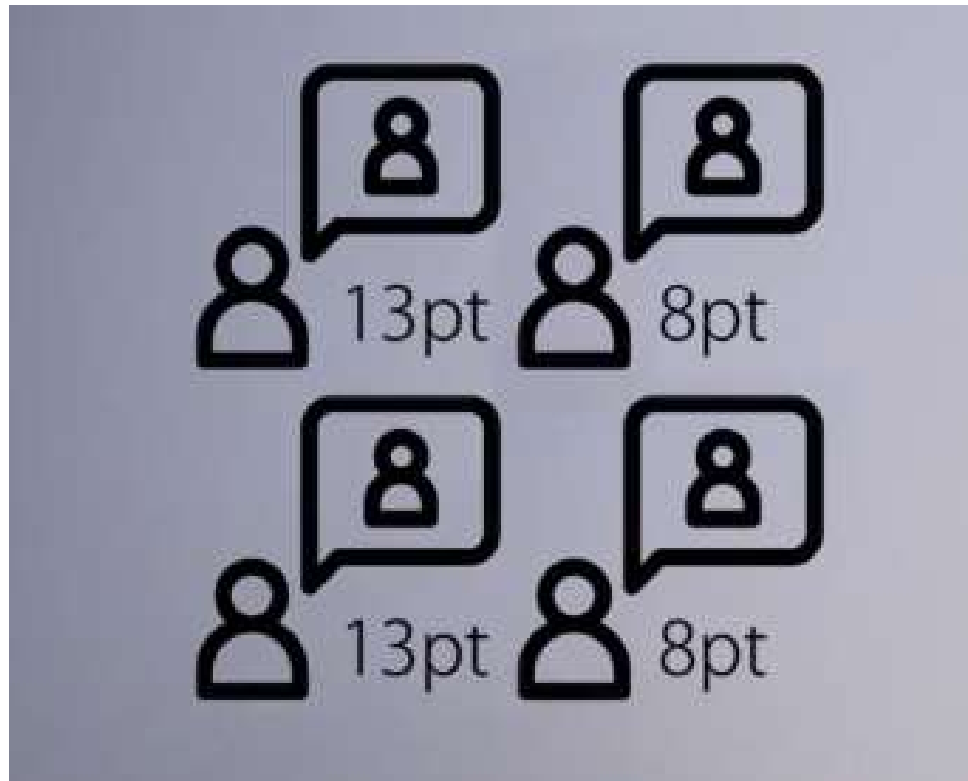
WHY SPLIT USER STORIES?

Some stories done is
way better than
everything undone.

WHY SPLIT USER STORIES?

3. Splitting a user story can help the team to gain visibility and clarity into its true size.

WHY SPLIT USER STORIES?



WHY SPLIT USER STORIES?

Some user stories need "end-to-end" testing.

Some user stories may need to be tested in a mock environment.

SPLITTING WITH SIMPLICITY

Start with the simplest thing that could
potentially work

(One of the Agile Principles)

SPLITTING WITH SIMPLICITY

Farmer trying to take payment from a mobile phone app

As a merchant (farmer),
I want to take payment from my customers,
So that I can get paid for the products that I sell



As a merchant,
I want to
accept
payment using
PAYPAL

SPLITTING WITH
SIMPLICITY

As a merchant,
I want to accept
payment using a
mobile device
(like Square
cash) that allows
customers to
swipe their debit
or credit card

SPLITTING WITH
SIMPLICITY

SPLITTING WITH SIMPLICITY

• Noo..
sorry, we are
not actually
making the
payment.. I
meant we are
just providing
guidance :-)

As a potential home buyer,

I want to calculate my mortgage payments,

so that I can decide which type of loan is right for me.

SPLITTING WITH
SIMPLICITY

SPLIT 1: (simple)

As a potential
home buyer,

I want to calculate
my payments
manually

SPLITTING WITH
SIMPLICITY

SPLIT 2:

As a potential
home buyer,

I want to calculate
my payments
using online
spreadsheet
template

SPLITTING WITH
SIMPLICITY

SPLIT 3:

As a potential
home buyer,

I want to calculate
my payments
using online an
online calculator

SPLITTING WITH
SIMPLICITY

SPLITTING WITH WORKFLOW

Workflow Steps - Ecommerce



SPLITTING WITH WORKFLOW



Search Products

SPLITTING WITH WORKFLOW



Browse or
Compare product

SPLITTING WITH WORKFLOW



Add to cart

SPLITTING WITH WORKFLOW



Sign In or
Create account

SPLITTING WITH WORKFLOW



Select
shipping method

SPLITTING WITH WORKFLOW



Payment Method
(Credit Card, AMEX,
PayPal, Venmo)

SPLITTING WITH WORKFLOW



Add Shipping and
Billing Address

SPLITTING WITH WORKFLOW



Place Orde

SPLITTING WITH WORKFLOW



Upsell or Special
One time Offer

SPLITTING WITH WORKFLOW



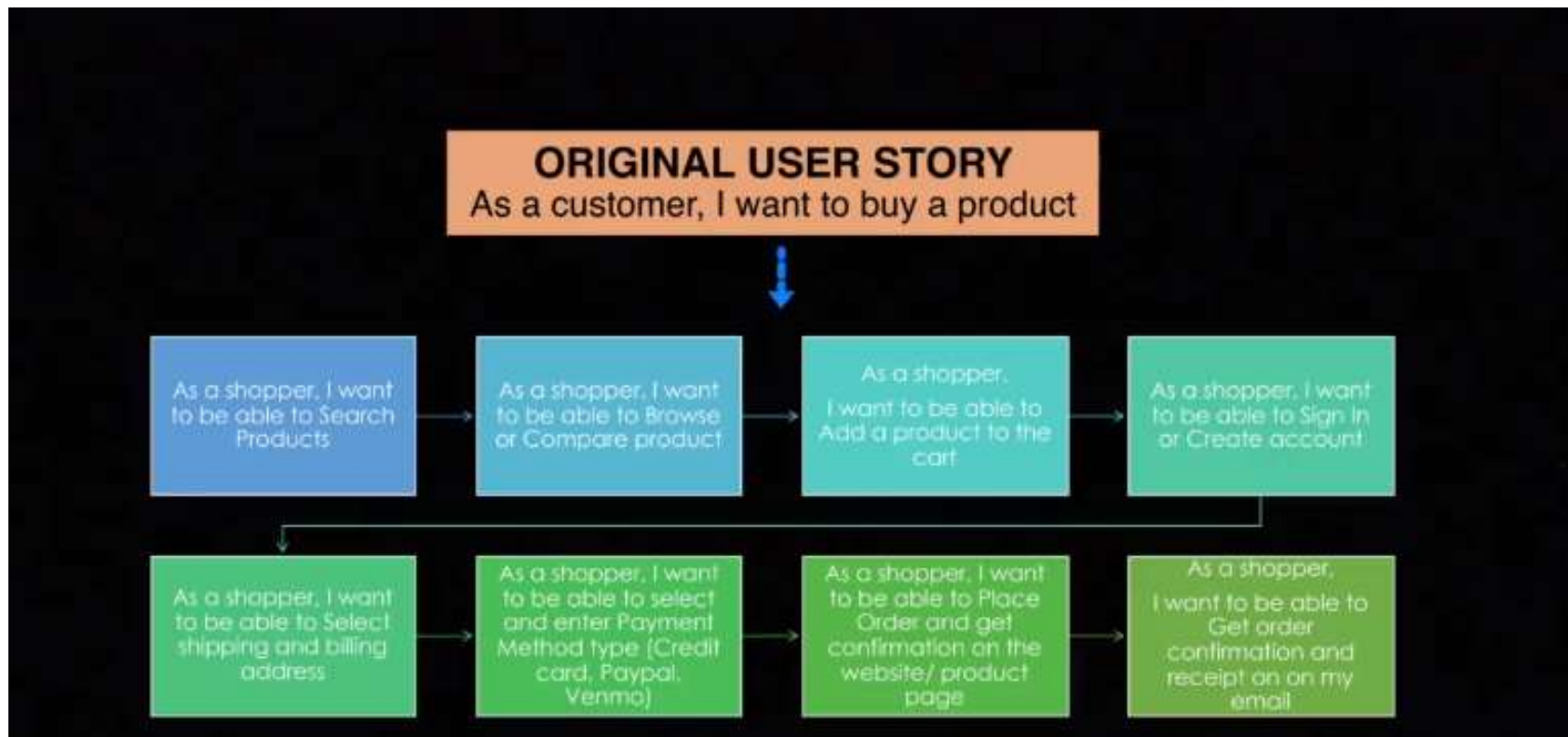
Get order
confirmation on
your email

SPLITTING WITH WORKFLOW

Workflow Steps - Ecommerce



SPLITTING WITH WORKFLOW



SPLITTING WITH CRUD

C = CREATE

R = READ

U = UPDATE

D = DELETE

BOARD GAME MARKETPLACE



WHERE THE BOARD GAMES
ARE BOUGHT AND SOLD

MANAGING PRODUCT PAGE USER STORY



CREATE

As a seller,

*I want to create
a product description page*

*so that my buyer can check out
the product description.*

SPLITS



CREATE

As a seller,

I want to create
a product description page

so that my buyer can check out
the product description.



READ

As a game buyer,

I want to view (or read)
product description page

so that I can determine if this
is a product I want to purchase.

SPLITS



CREATE



READ



UPDATE

As a seller,
I want to create
a product description page
so that my buyer can check out
the product description.

As a game buyer,
I want to view (or read)
product description page
so that I can determine if this
is a product I want to purchase.

As a seller,
I want to edit
the description of the game
so that buyers will see the most
up-to-date description.

SPLITS



CREATE



READ



UPDATE



DELETE

As a seller,

I want to create
a product description page

so that my buyer can check out
the product description.

As a game buyer,

I want to view (or read)
product description page

so that I can determine if this
is a product I want to purchase.

As a seller,

I want to edit
the description of the game

so that buyers will see the most
up-to-date description.

As a seller,

I want to delete
the product page of the game

so that buyers will only see the
board games that are available.

MANAGE AD (Original User Story)

As a user...

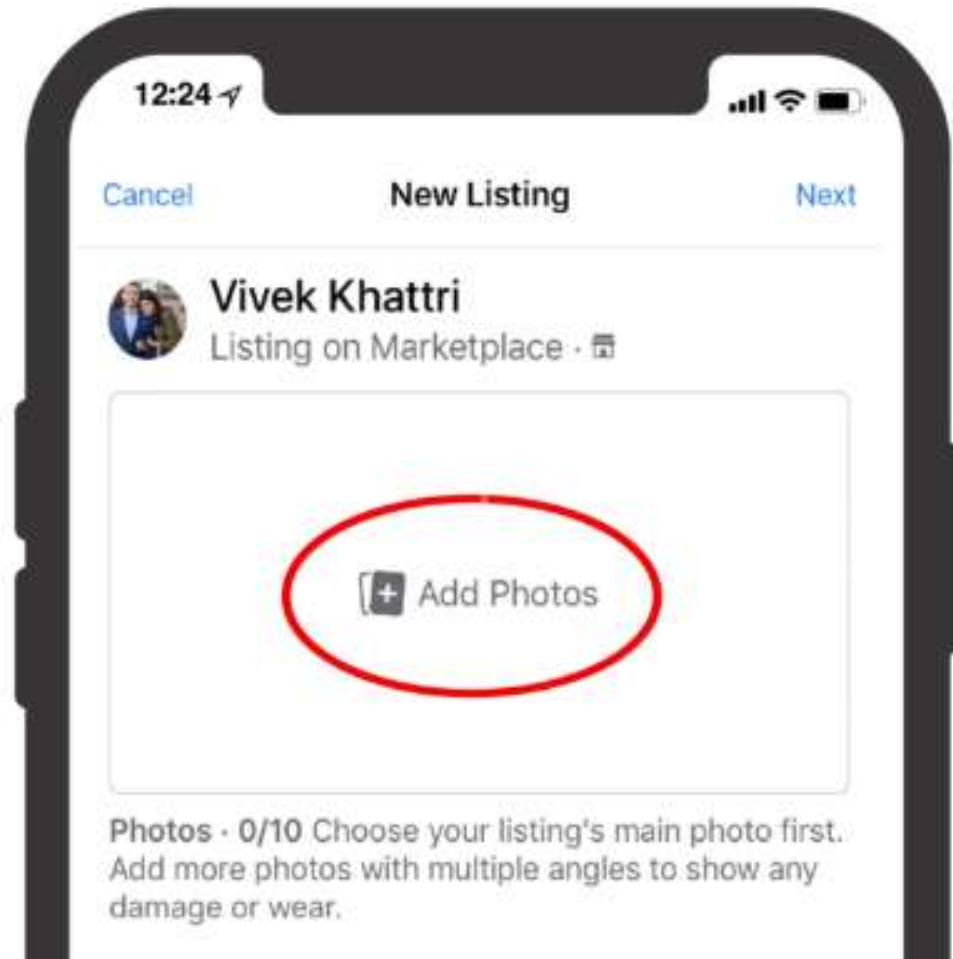


- ▶ Create and Save the Ad
- ▶ View the Ad
- ▶ Delete the Ad
- ▶ Edit the Ad

SPLITTING WITH ENTRY METHOD

As a seller,
I want to add pictures of my product
so that I can show my product.

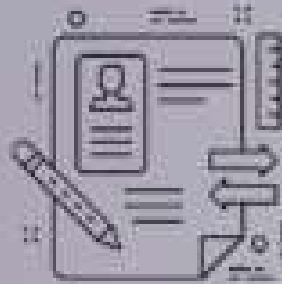
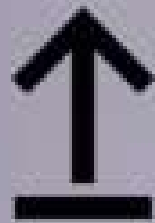
E-commerce site





As a seller, I can...

Upload Photos from Photo Gallery



Uploading your
resume to job websites
shows potential employers
your work qualifications.

SPLITTING WITH ENTRY METHOD



1.

Entering Information Directly to Application

SPLITTING WITH ENTRY METHOD



2.

Uploading a Document or Word File



3.

Uploading a PDF File

Conclusion: Splitting with Entry Methods

Original User Story

```
graph TD; A[Original User Story] --> B[User Story 1: Entry Method 1]; A --> C[User Story 2: Entry Method 2]; A --> D[User Story 3: Entry Method 3];
```

User Story 1:
Entry Method 1

User Story 2:
Entry Method 2

User Story 3:
Entry Method 3

SPLITTING WITH SPIKES

BOARD GAME MARKETPLACE



WHERE THE BOARD GAMES
ARE BOUGHT AND SOLD

*As a game buyer,
I can pay by credit card.*

SPLITTING WITH SPIKES



Investigate
Credit Card Processing

Implement
Credit Card Processing

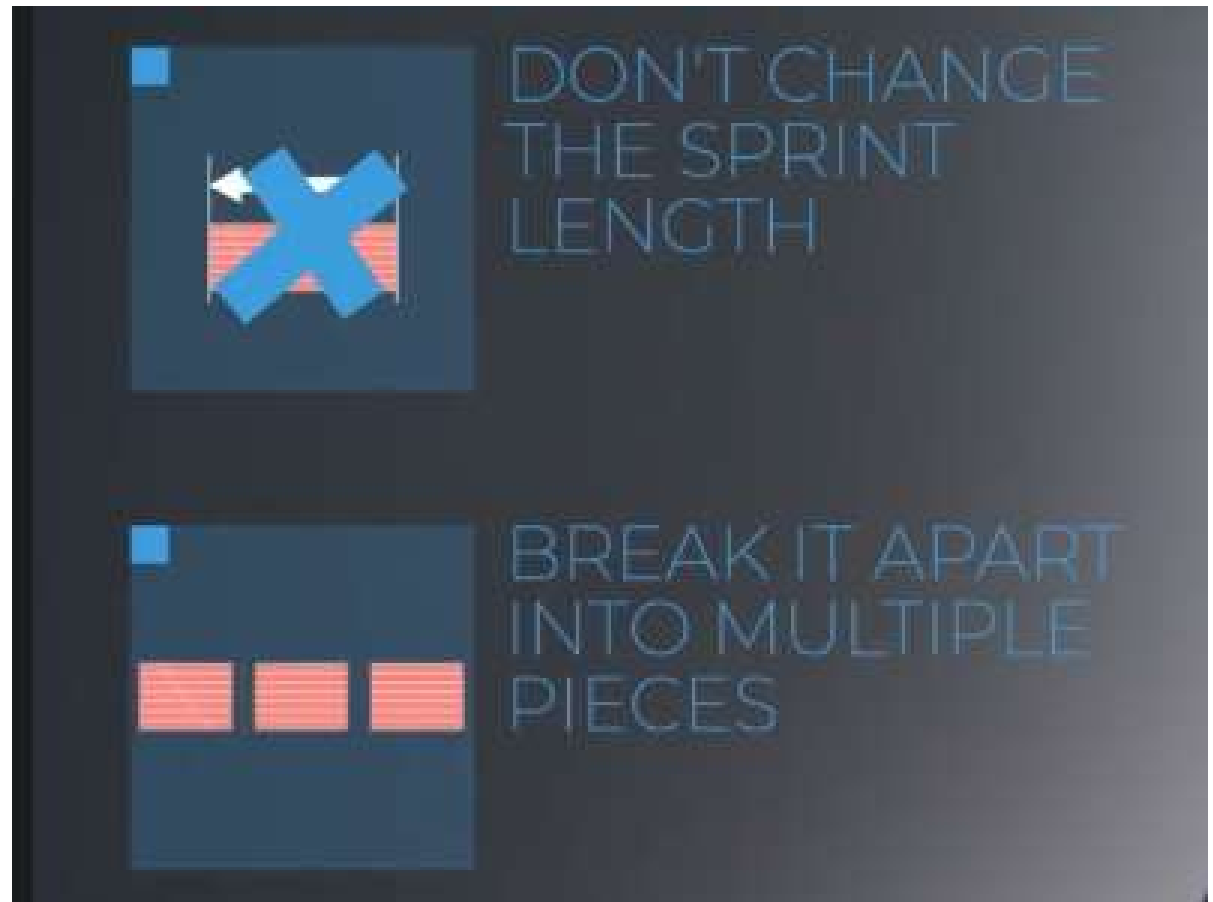
In an investigation spike,
Acceptance Criteria pose
the questions
that need to be answered



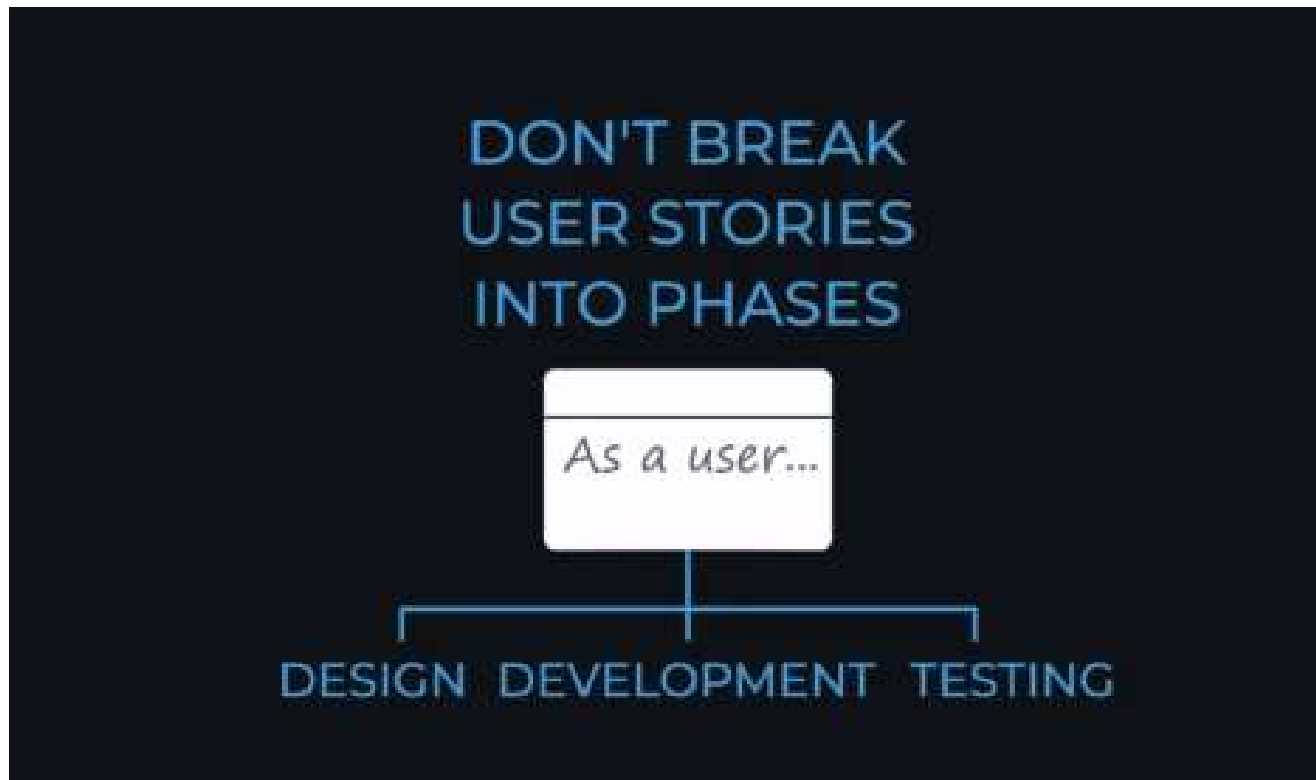
BE SURE TO SET
A MAXIMUM AMOUNT
OF TIME FOR THE
INVESTIGATION

■ USE SPIKES TO SPLIT
USER STORIES
SO ANALYSIS CAN BE
COMPLETED IN ONE SPRINT
WHILE THE ACTUAL
IMPLEMENTATION
IS COMPLETED
IN A FUTURE SPRINT

SPLITTING WRAP UP



SPLITTING WRAP UP



SPLITTING WRAP UP

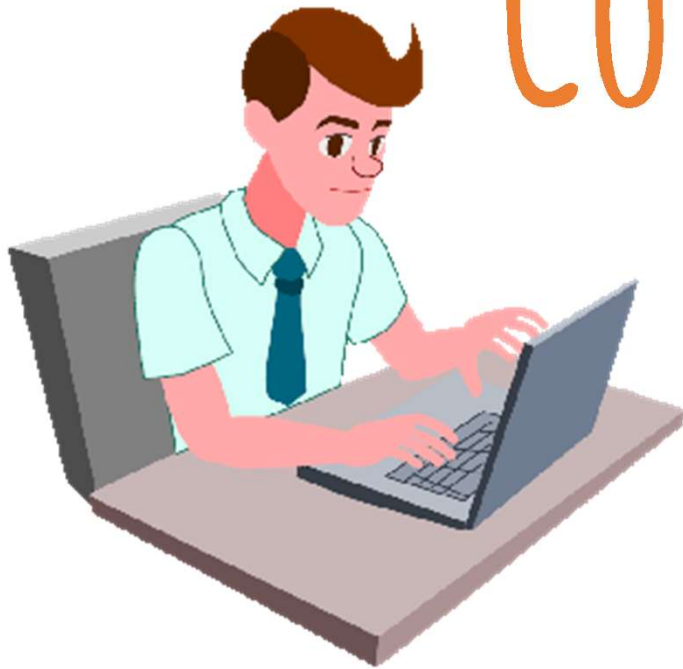
LOOK AT THE NEED
AND SEE IF YOU CAN SLICE
A SPECIFIC PIECE OF
FUNCTIONALITY OFF OF IT



SPLITTING WRAP UP



"COMPLETE ACTIVITY"



ACTIVITY



- Application: You work for a file sharing and management company named EasyShare that has a web application as well as a mobile app (iOS & Android).
- Your team is focused on creating a feature that helps users manage and share files or documents (pictures, video, and word documents).
- Imagine, EasyShare is a dropbox or google drive like application.

ORIGINAL USER STORY:



As a content owner, I want to organize, manage and share documents so that I can manage my documents

Acceptance Criteria:

- Content owner can upload content to their library within the application
- Content Owner can access the content they own
- Content owner can search through the content they have on the application

QUIZ



Question 1:

Breaking a user story down into multiple user stories of varying complexity is considered splitting with...

☐ spikes

☐ simplicity

☐ CRUD

☐ entry method

☐ workflow

VALIDATE UNDERSTANDING
OF USER STORY SPLITTING

Question 2:

Splitting a user story into multiple user stories by understanding each step in the process is considered splitting with...

☐ spikes

☐ simplicity

☐ CRUD

☐ entry method

☐ workflow

VALIDATE UNDERSTANDING
OF USER STORY SPLITTING

Question 3:

Splitting a user story by thinking through how the details interact with a database is considering splitting with...

☐ spikes

☐ simplicity

☐ CRUD

☐ entry method

☐ workflow

VALIDATE UNDERSTANDING
OF USER STORY SPLITTING

Question 4:

When user stories need some additional analysis or research completed prior to work being started, they can be divided into multiple pieces under the concept of splitting with...

☐ spikes

☐ simplicity

☐ CRUD

☐ entry methods

☐ workflow

VALIDATE UNDERSTANDING
OF USER STORY SPLITTING

Question 4:

When user stories need some additional analysis or research completed prior to work being started, they can be divided into multiple pieces under the concept of splitting with...

☐ spikes

☐ simplicity

☐ CRUD

☐ entry methods

☐ workflow

VALIDATE UNDERSTANDING
OF USER STORY SPLITTING

Question 5:

Splitting a user story into multiple user stories by thinking through how details are inputted into the solution is considered splitting with...

☐ spikes

☐ simplicity

☐ CRUD

☐ entry method

☐ workflow

VALIDATE UNDERSTANDING
OF USER STORY SPLITTING