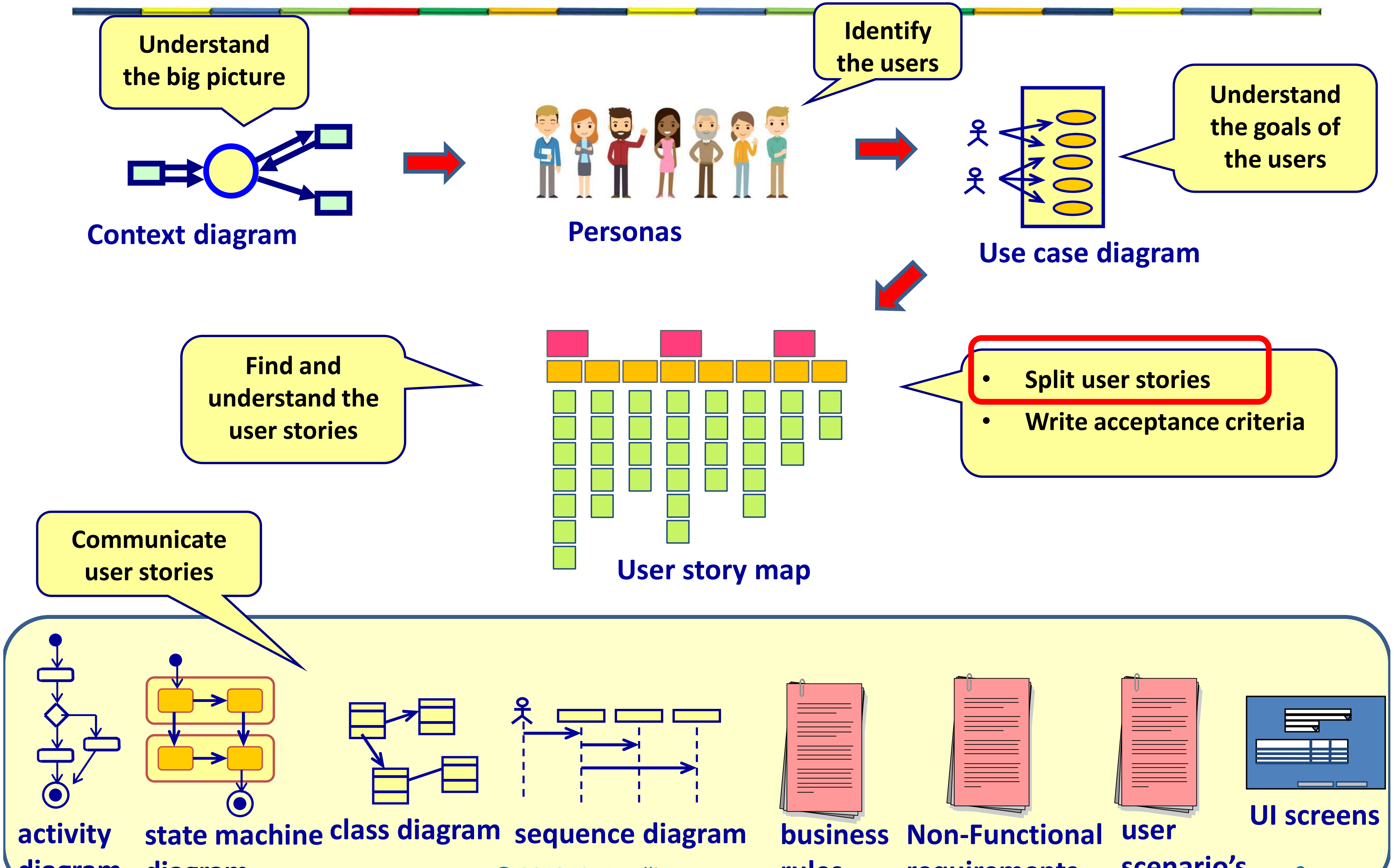
Splitting user stories

Agile requirements



Understand the big picture

Context diagram

Personas

Identify the users

Use case diagram

Understand the goals of the users

Find and understand the user stories

User story map

- Split user stories
- Write acceptance criteria

Communicate user stories

activity diagram

state machine diagram

class diagram

sequence diagram

business rules

Non-Functional requirements

user scenario's

UI screens

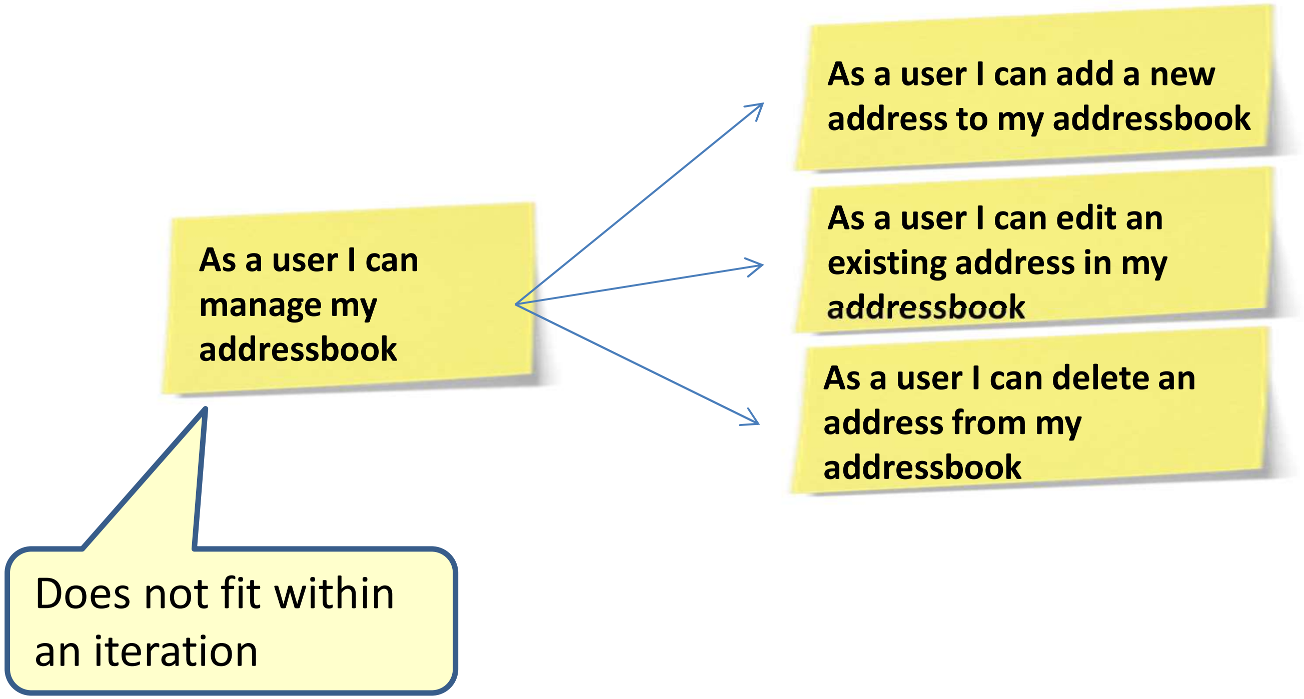
User stories should be small

- Should fit within an iteration (few days)
- Small stories are simpler to
  - Understand
  - Estimate
  - Implement
  - Test
- Small stories give faster feedback

What do I do if a user story is too long?

What do I do if a user story is too long?

- Split large user stories into smaller user stories.



As a user I can manage my addressbook

As a user I can add a new address to my addressbook

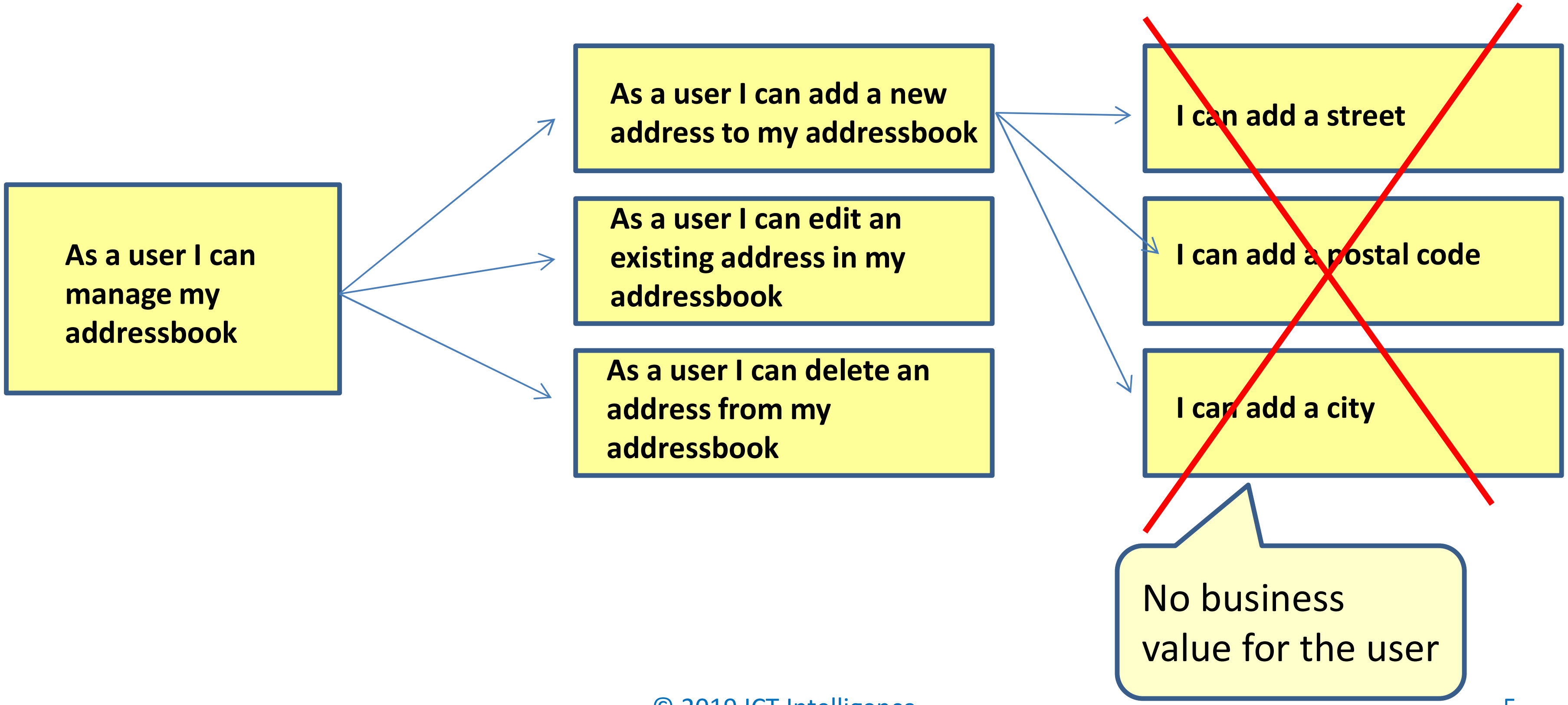
As a user I can edit an existing address in my addressbook

As a user I can delete an address from my addressbook

Does not fit within an iteration

How far do I split user stories?

- User stories have to give business value to the user
- Few hours to few days of work



As a user I can manage my addressbook
As a user I can add a new address to my addressbook
As a user I can edit an existing address in my addressbook
As a user I can delete an address from my addressbook
I can add a street
I can add a postal code
I can add a city
No business value for the user

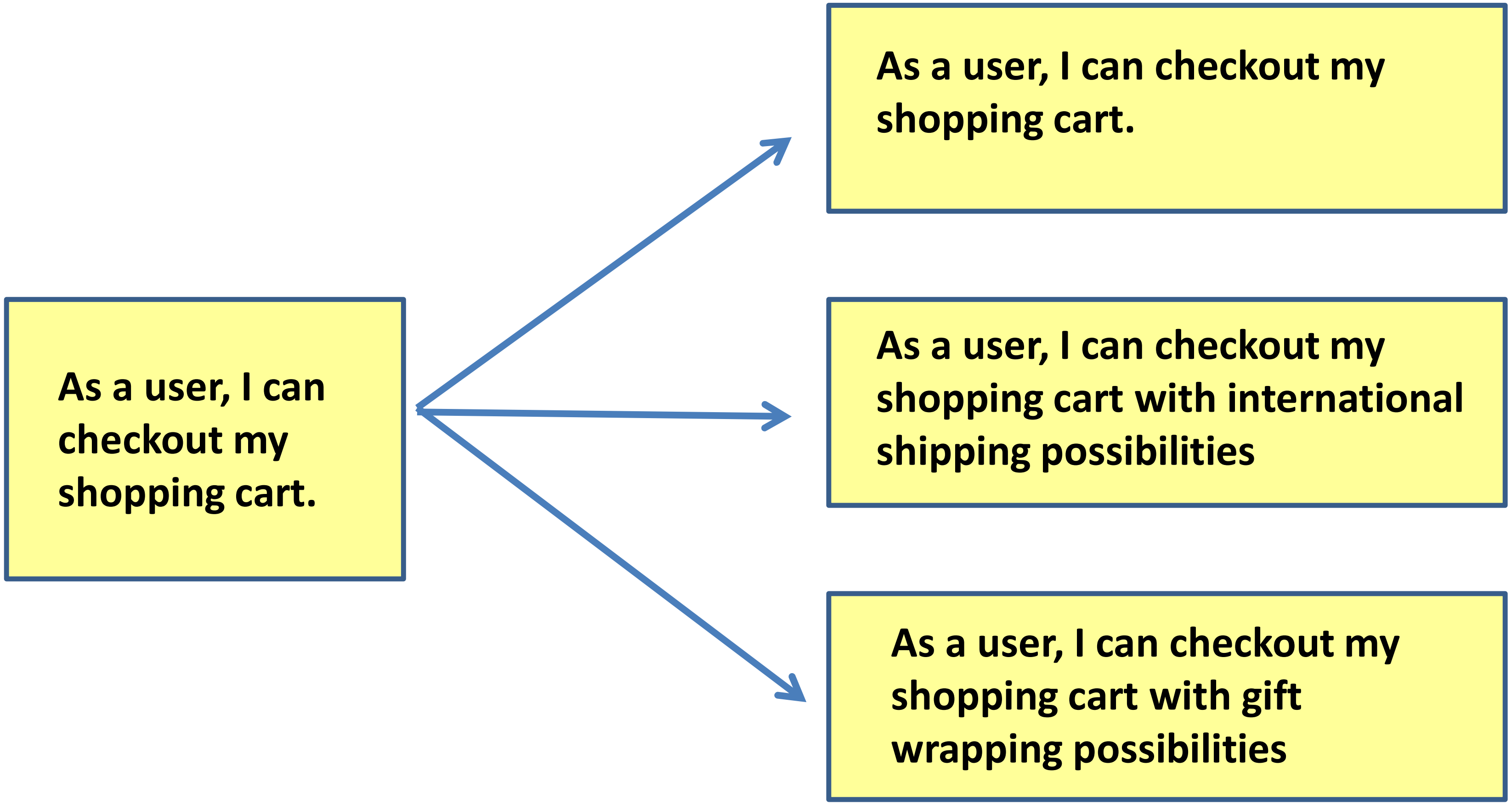
© 2019 ICT Intelligence

Splitting user stories patterns

- Workflow steps
- Operations
- CRUD
- Business rule variation
- Simple/complex
- Variation in data
- Effort
- Interface variation
- Defer quality

Workflow Steps

- Create a story of the basic workflow and then create new stories for enhanced workflows.



As a user, I can checkout my shopping cart.

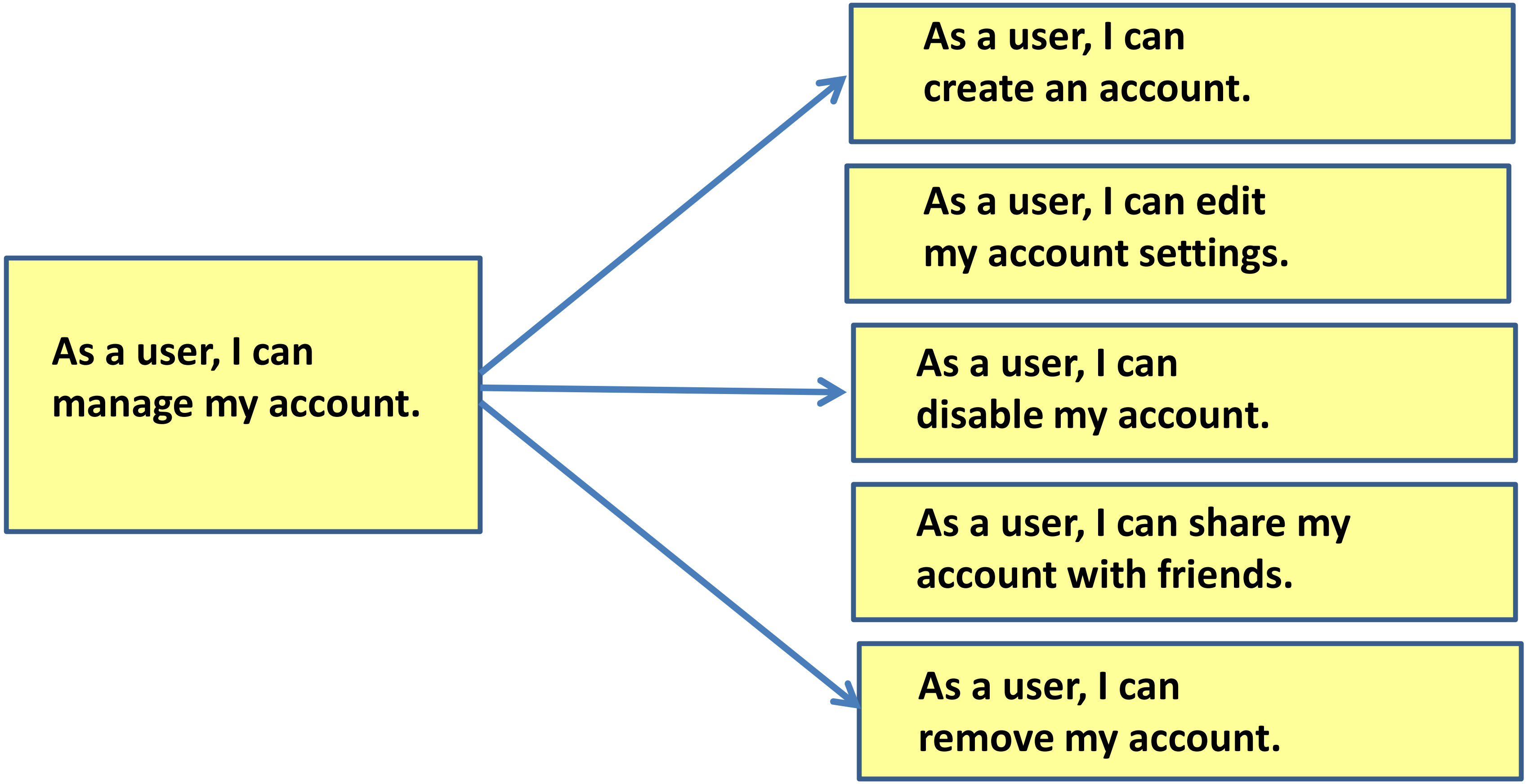
As a user, I can checkout my shopping cart.

As a user, I can checkout my shopping cart with international shipping possibilities

As a user, I can checkout my shopping cart with gift wrapping possibilities

Operations

- Make a user story for every operation



As a user, I can manage my account.

As a user, I can create an account.

As a user, I can edit my account settings.

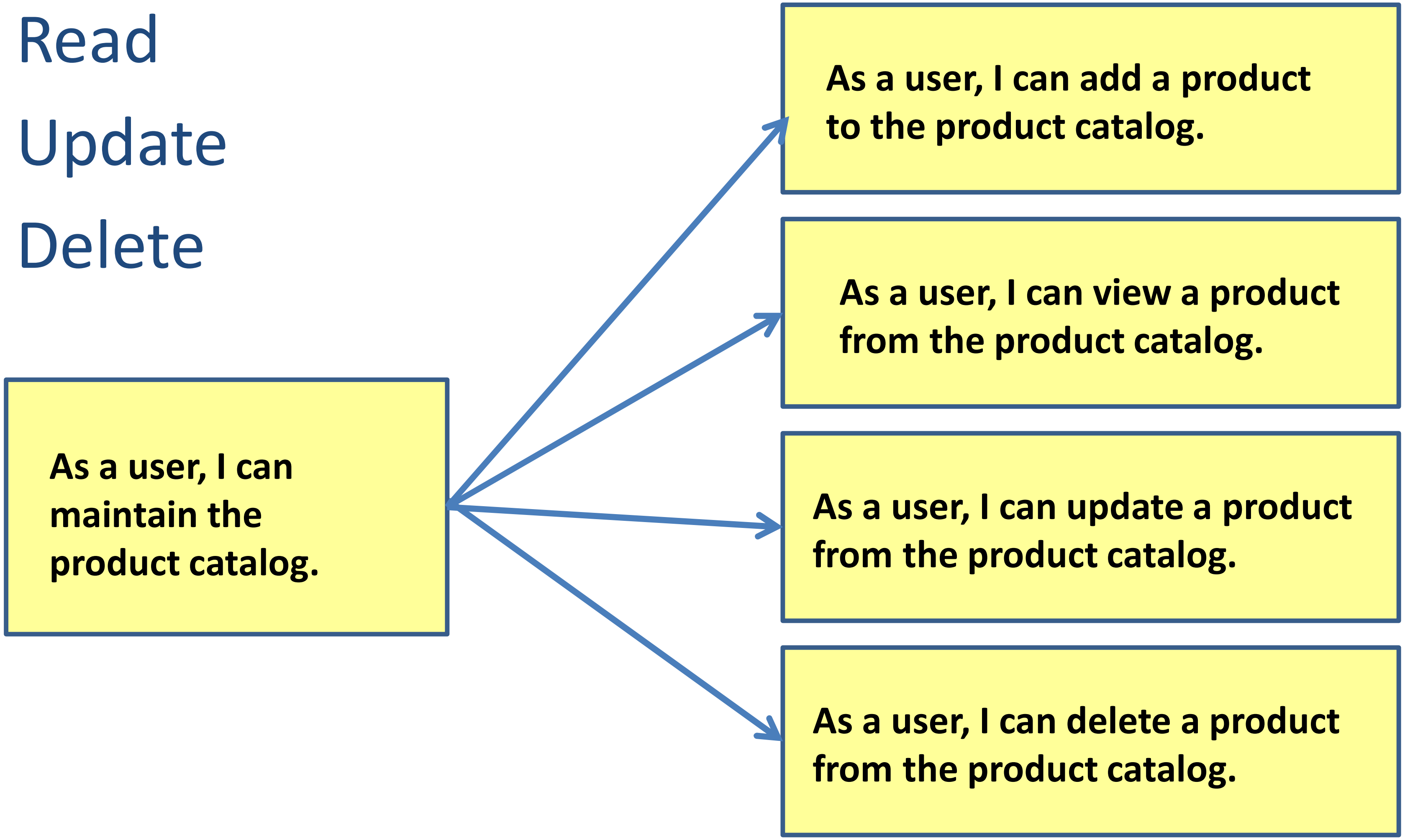
As a user, I can disable my account.

As a user, I can share my account with friends.

As a user, I can remove my account.

Operations: CRUD functionality

- Create
- Read
- Update
- Delete



As a user, I can maintain the product catalog.

As a user, I can add a product to the product catalog.

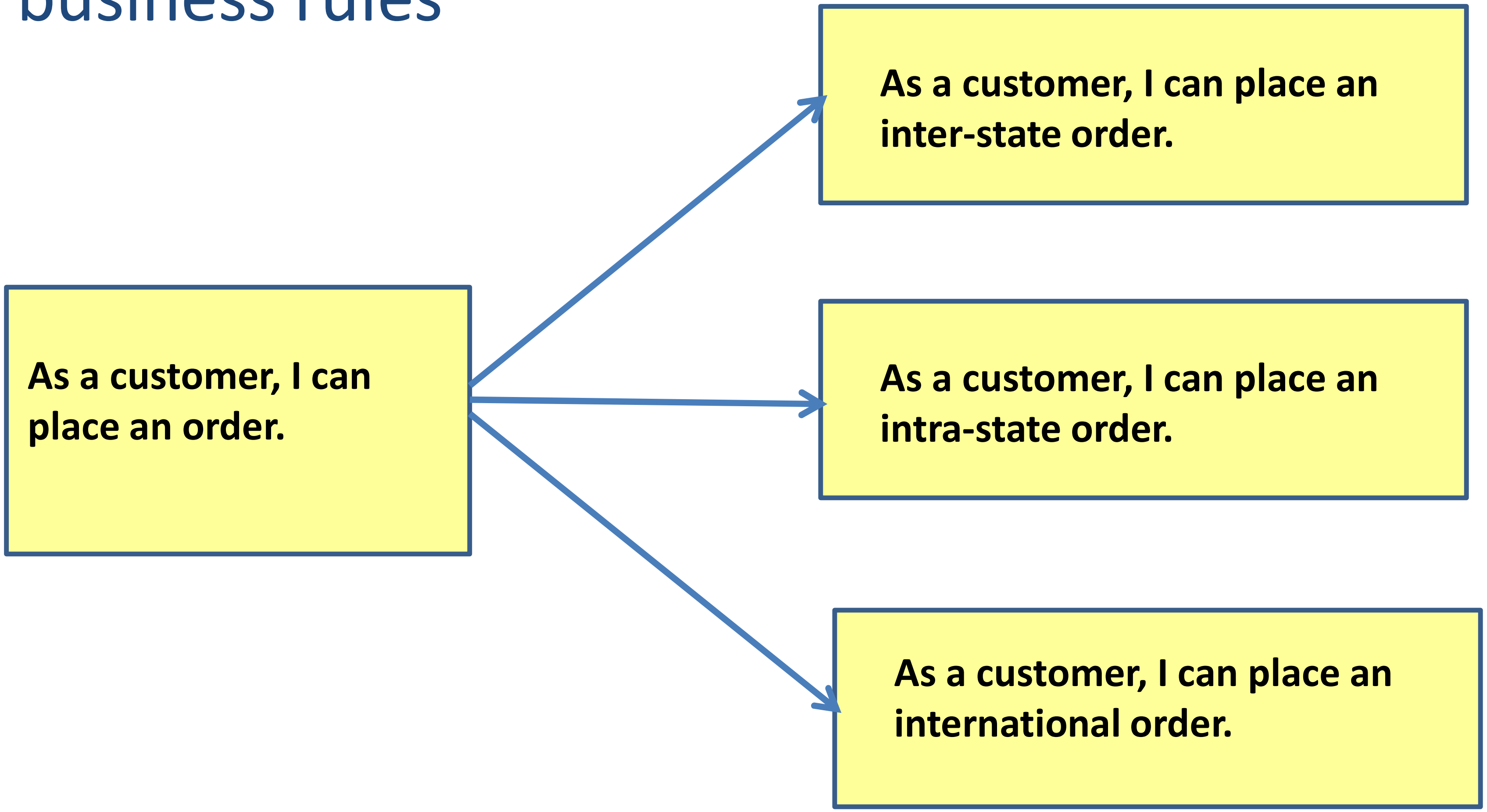
As a user, I can view a product from the product catalog.

As a user, I can update a product from the product catalog.

As a user, I can delete a product from the product catalog.

Business Rule Variations

- Create a new story for every variation in business rules



As a customer, I can place an order.

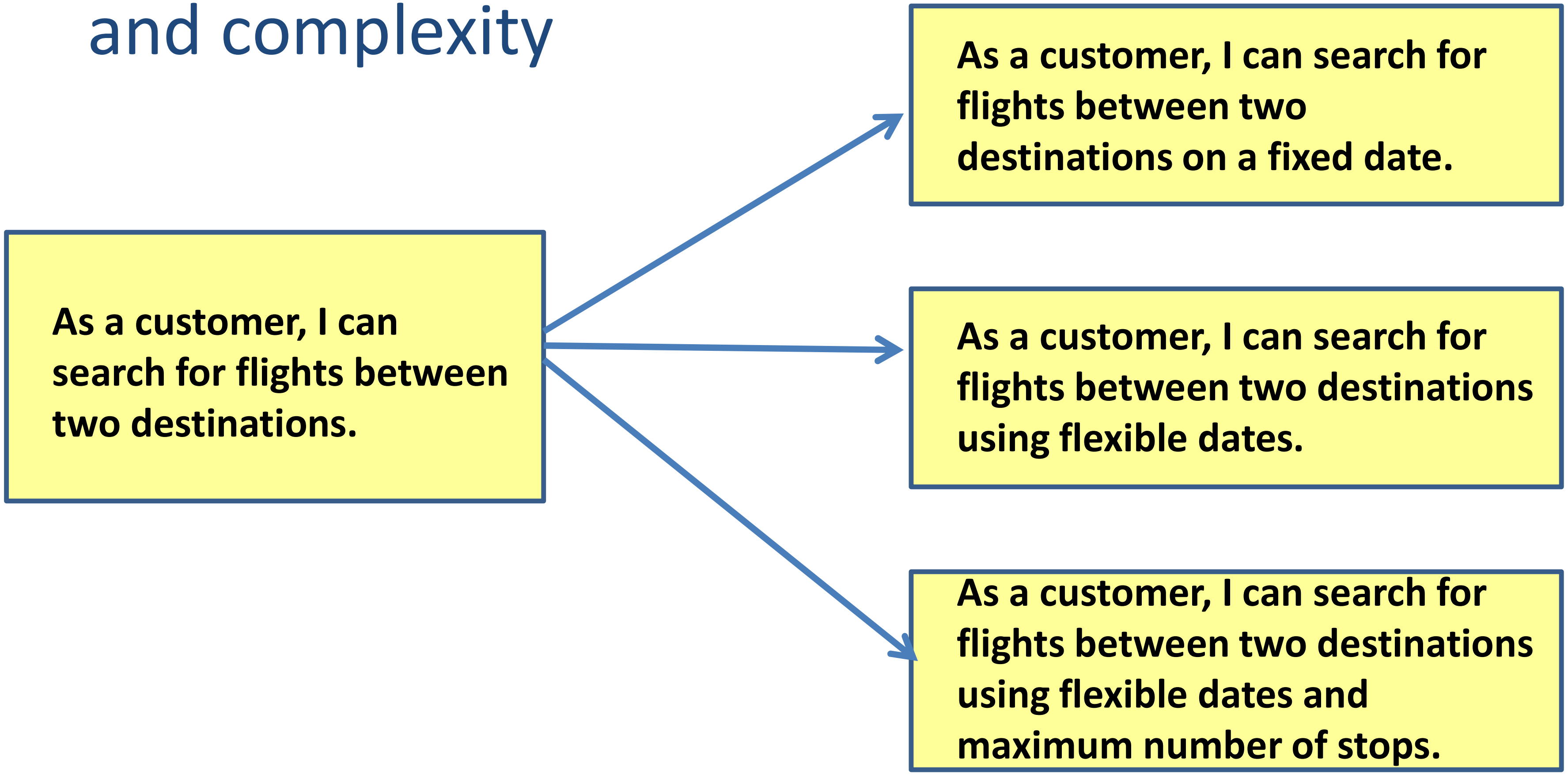
As a customer, I can place an inter-state order.

As a customer, I can place an intra-state order.

As a customer, I can place an international order.

Simple/Complex

- Capture the simplest version that works in a story and make a new story for every variation and complexity



As a customer, I can search for flights between two destinations.

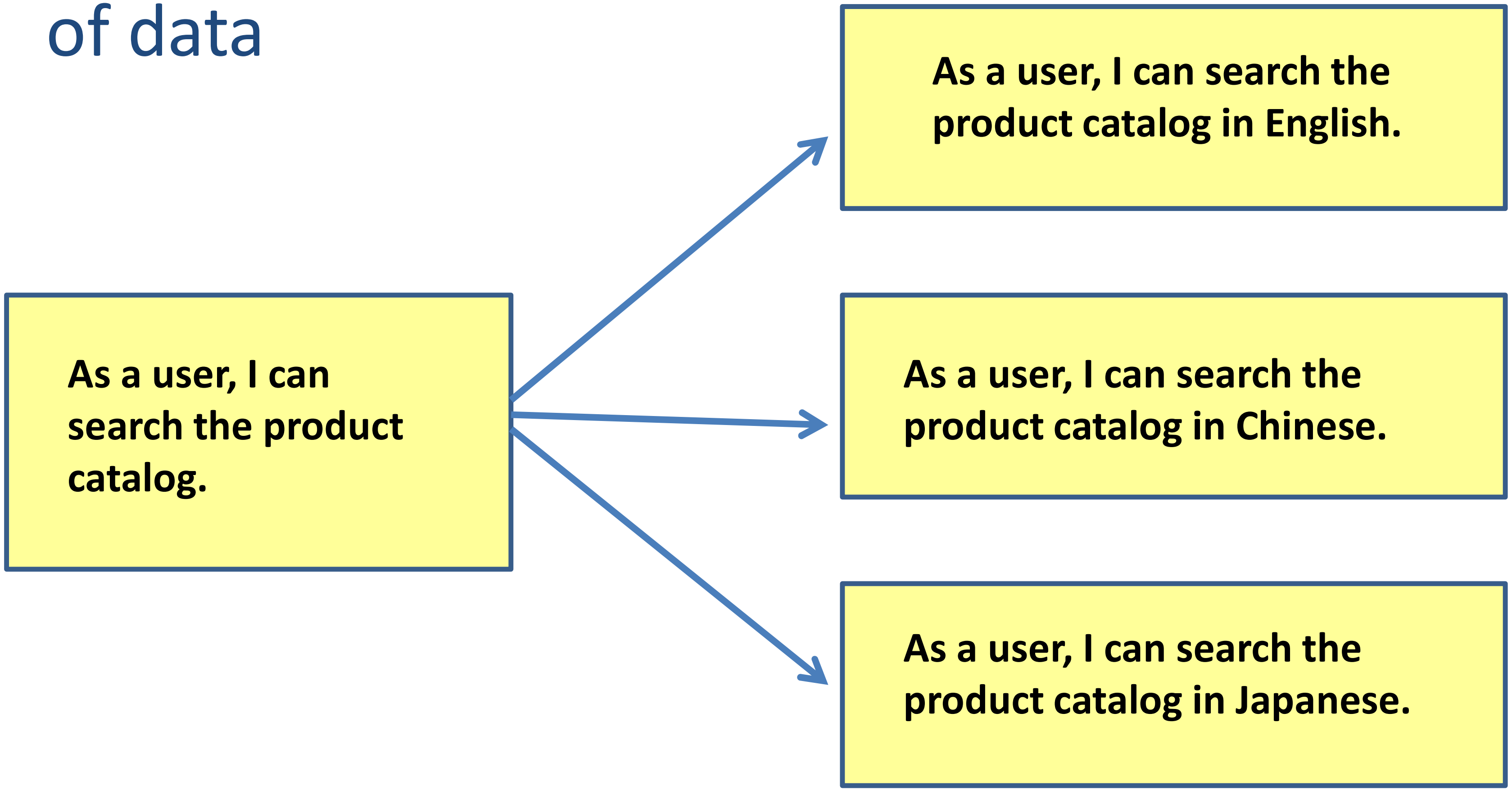
As a customer, I can search for flights between two destinations on a fixed date.

As a customer, I can search for flights between two destinations using flexible dates.

As a customer, I can search for flights between two destinations using flexible dates and maximum number of stops.

Variations in Data

- Create one story that uses one kind of data and create other stories that uses other kinds of data



As a user, I can search the product catalog.

As a user, I can search the product catalog in English.

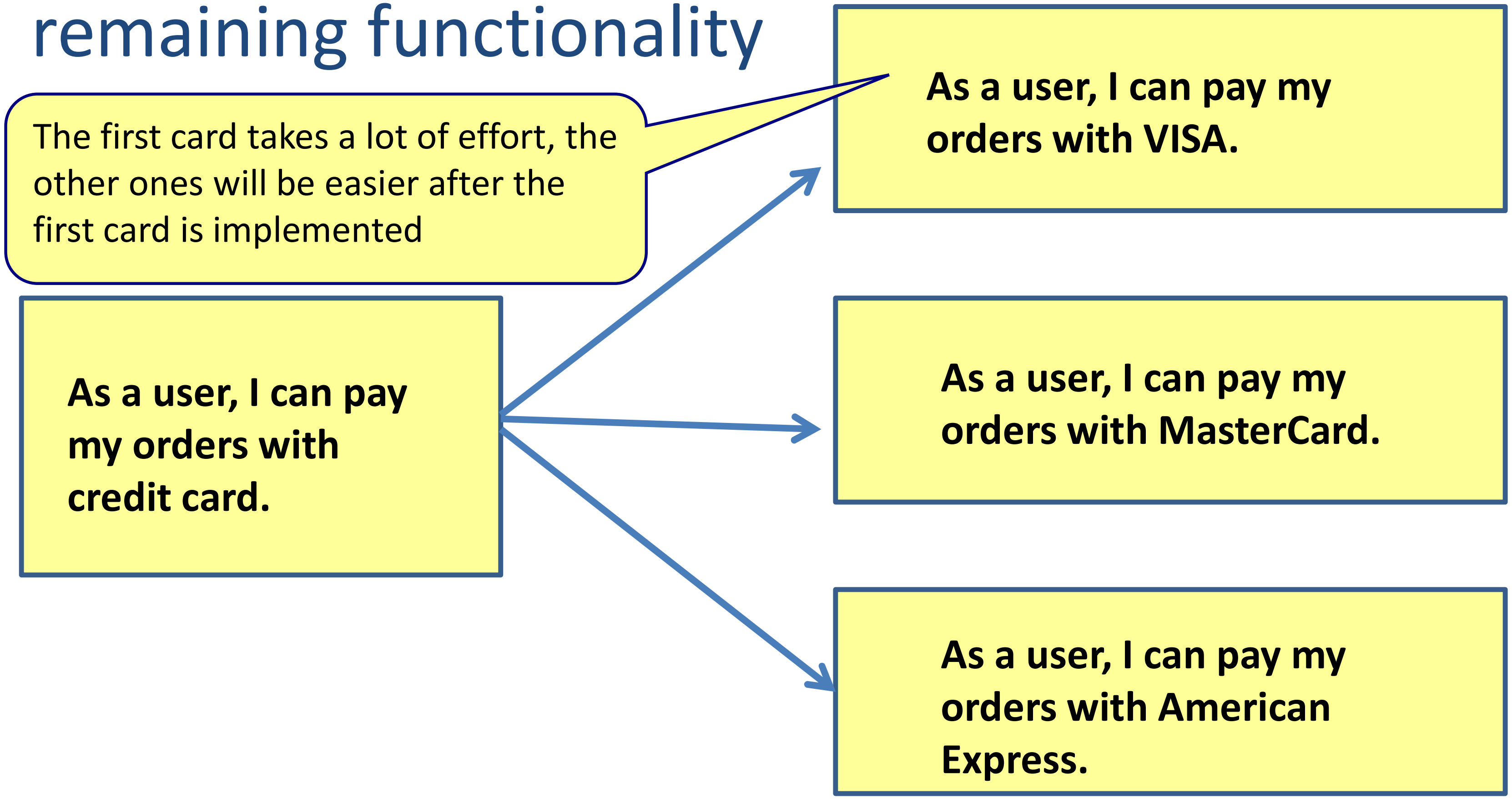
As a user, I can search the product catalog in Chinese.

As a user, I can search the product catalog in Japanese.

© 2019 ICT Intelligence

Major Effort

- Create one story that takes most of the effort, and then create a new story or stories for the remaining functionality



The first card takes a lot of effort, the other ones will be easier after the first card is implemented

As a user, I can pay my orders with credit card.

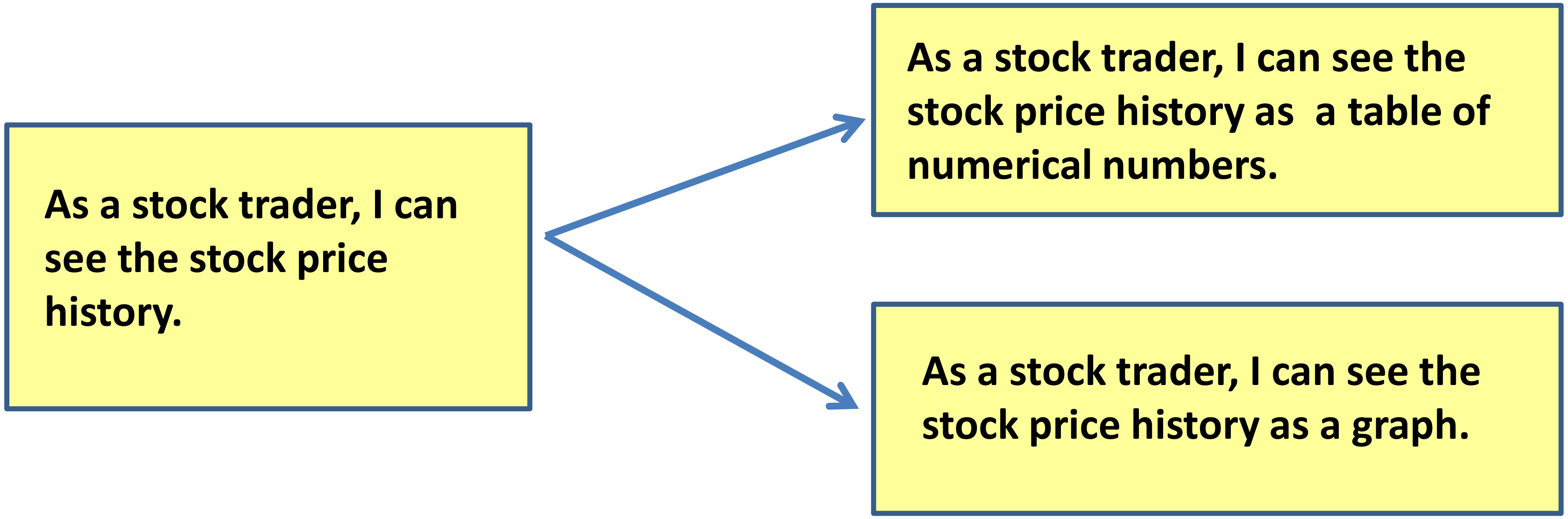
As a user, I can pay my orders with VISA.

As a user, I can pay my orders with MasterCard.

As a user, I can pay my orders with American Express.

Interface variations

- Create a story with the simplest possible UI, and create one or more other stories with a more complex UI



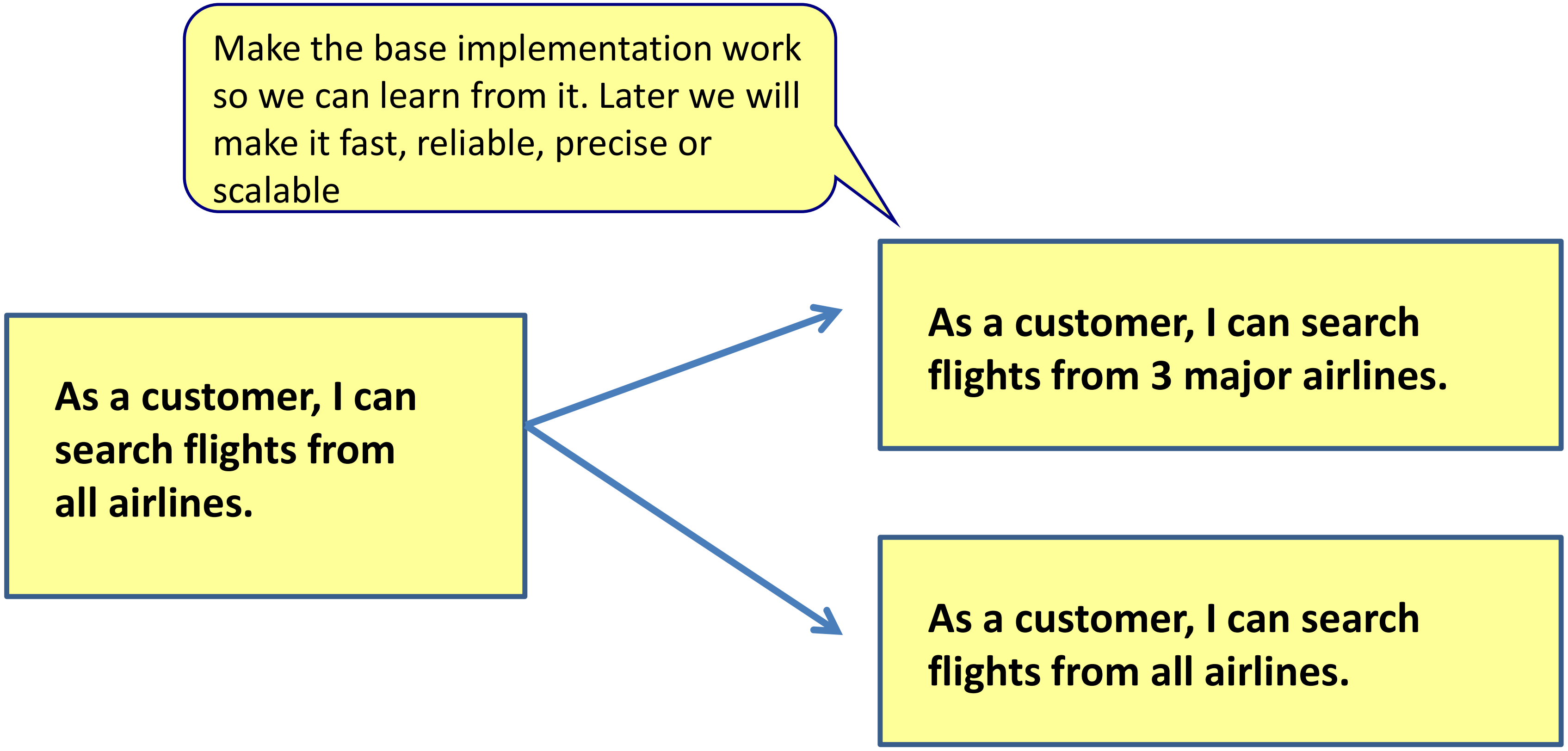
As a stock trader, I can see the stock price history.

As a stock trader, I can see the stock price history as a table of numerical numbers.

As a stock trader, I can see the stock price history as a graph.

Defer Quality

- Create a story where you just make it work, and create one or more other stories where you satisfy the non-functional requirement(s)



Make the base implementation work so we can learn from it. Later we will make it fast, reliable, precise or scalable

As a customer, I can search flights from all airlines.

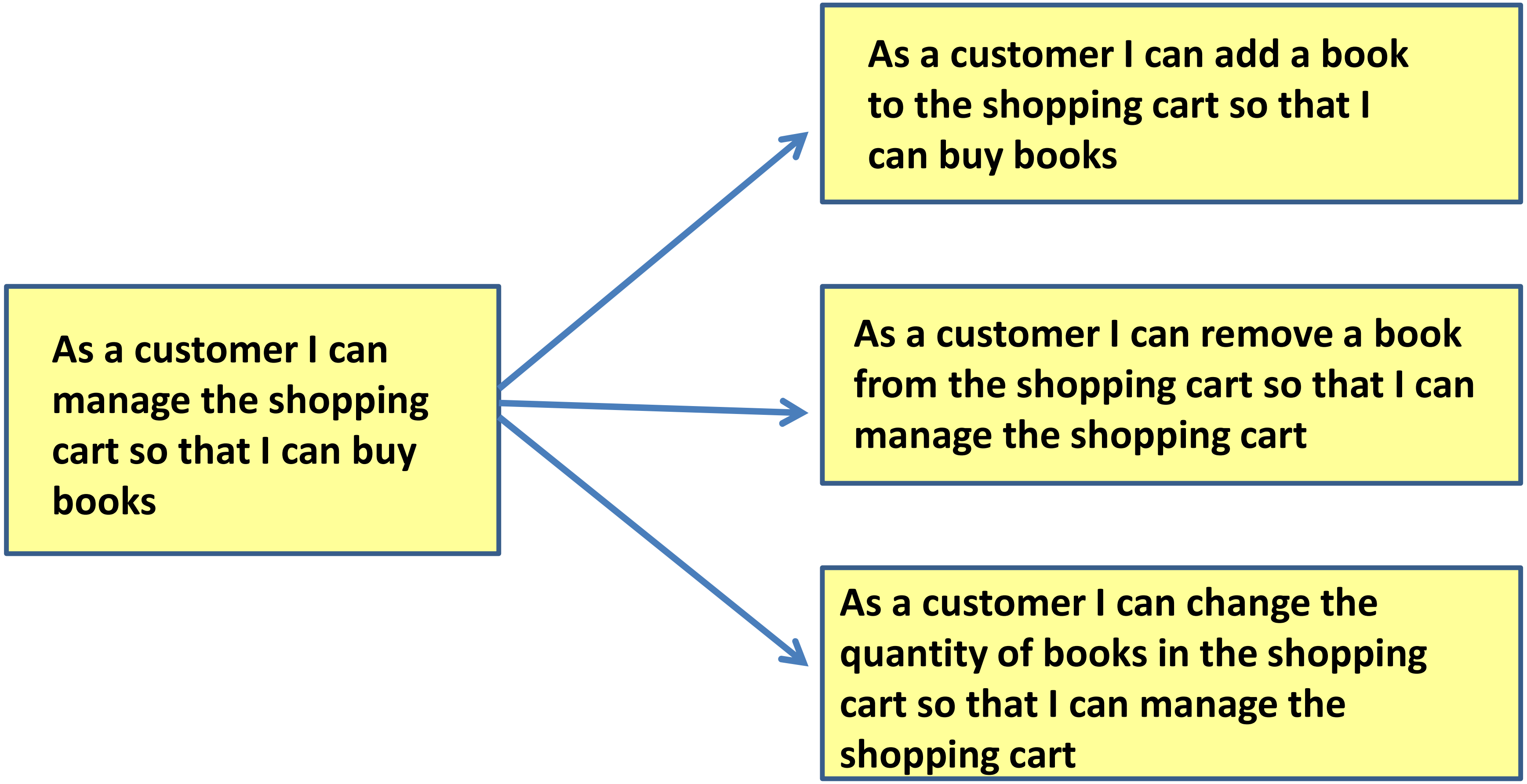
As a customer, I can search flights from 3 major airlines.

As a customer, I can search flights from all airlines.

Splitting user stories patterns

- Workflow steps
- Operations
- CRUD
- Business rule variation
- Simple/complex
- Variation in data
- Effort
- Interface variation
- Defer quality

Bookshop: splitting user stories



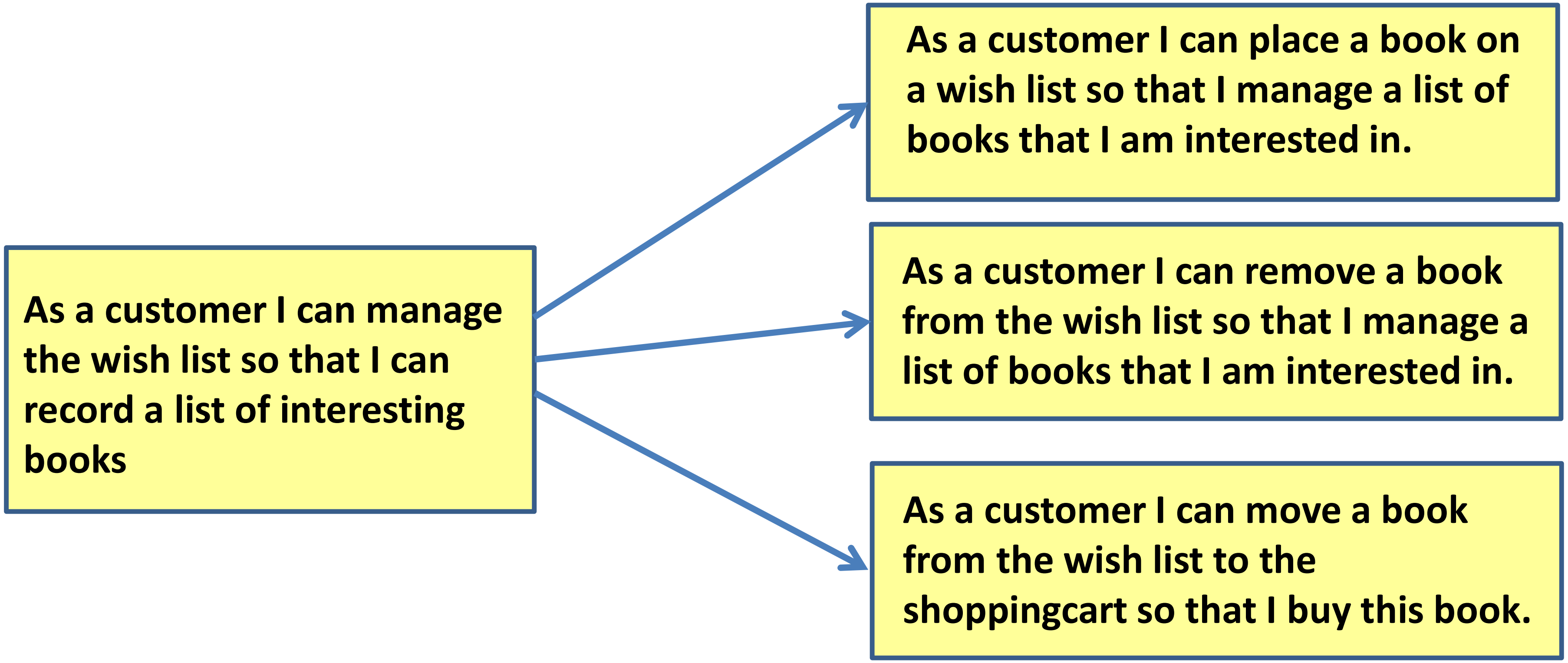
As a customer I can manage the shopping cart so that I can buy books

As a customer I can add a book to the shopping cart so that I can buy books

As a customer I can remove a book from the shopping cart so that I can manage the shopping cart

As a customer I can change the quantity of books in the shopping cart so that I can manage the shopping cart

Bookshop: splitting user stories



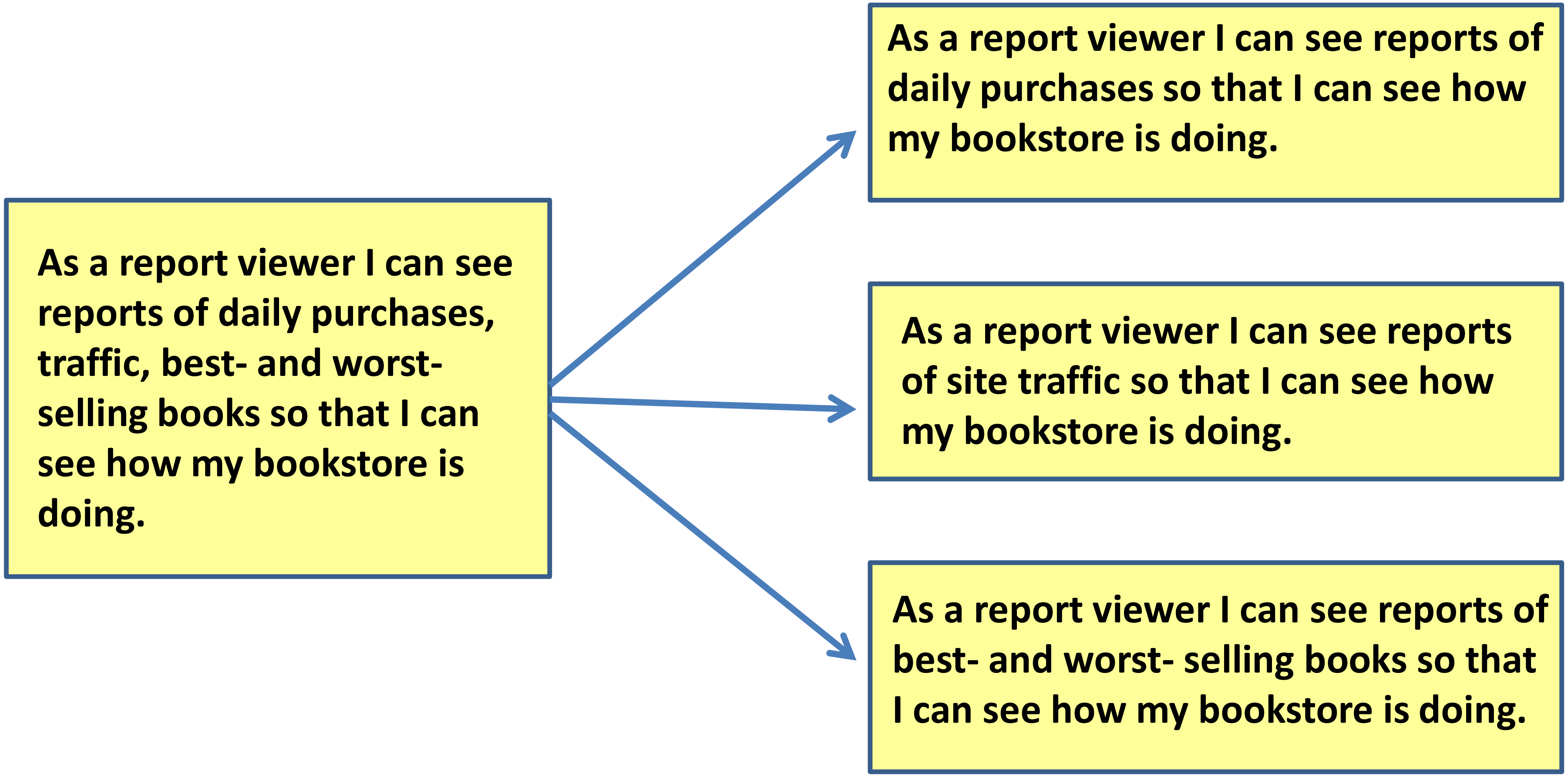
As a customer I can manage the wish list so that I can record a list of interesting books

As a customer I can place a book on a wish list so that I manage a list of books that I am interested in.

As a customer I can remove a book from the wish list so that I manage a list of books that I am interested in.

As a customer I can move a book from the wish list to the shoppingcart so that I buy this book.

Bookshop: splitting user stories



As a report viewer I can see reports of daily purchases, traffic, best- and worst-selling books so that I can see how my bookstore is doing.

As a report viewer I can see reports of daily purchases so that I can see how my bookstore is doing.

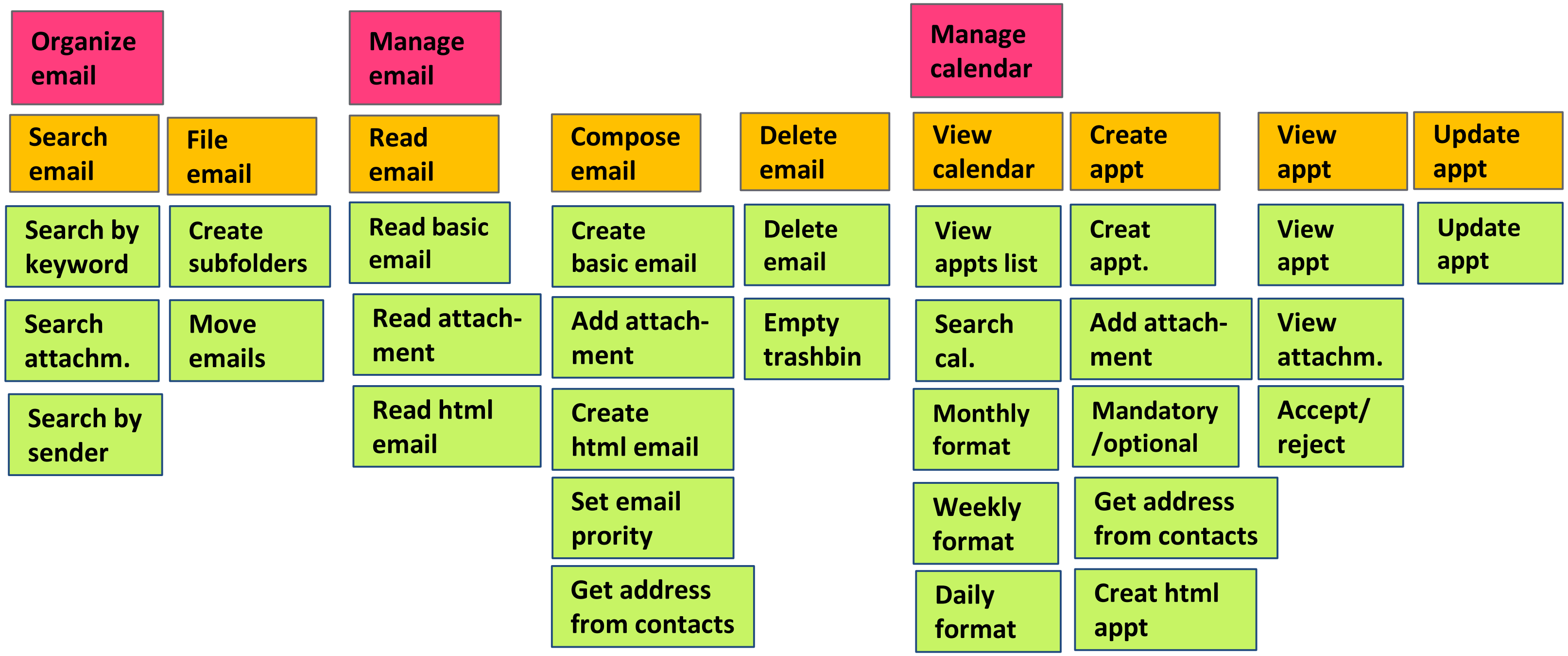
As a report viewer I can see reports of site traffic so that I can see how my bookstore is doing.

As a report viewer I can see reports of best- and worst- selling books so that I can see how my bookstore is doing.

Example: main user stories

Organize email		Manage email			Manage calendar			
Search email	File email	Read email	Compose email	Delete email	View calendar	Create appt	View appt	Update appt
Search by keyword	Create subfolders	Read basic email	Create basic email	Delete email	View appts list	Creat appt.	View appt	Update appt
Search attachm.	Move emails	Read attachment	Add attachment	Empty trashbin	Search cal.	Add attachment	View attachm.	
Search by sender							Accept/ reject	

Example: split user stories



Organize email		Manage email			Manage calendar			
Search email	File email	Read email	Compose email	Delete email	View calendar	Create appt	View appt	Update appt
Search by keyword	Create subfolders	Read basic email	Create basic email	Delete email	View appts list	Creat appt.	View appt	Update appt
Search attachm.	Move emails	Read attachment	Add attachment	Empty trashbin	Search cal.	Add attachment	View attachm.	
Search by sender		Read html email	Create html email		Monthly format	Mandatory /optional	Accept/ reject	
			Set email prority		Weekly format	Get address from contacts		
			Get address from contacts		Daily format	Creat html appt		