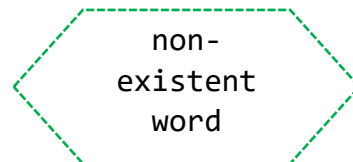
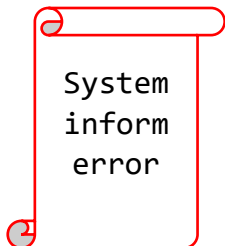
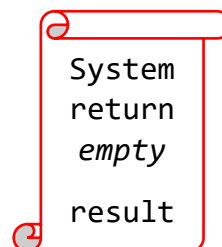
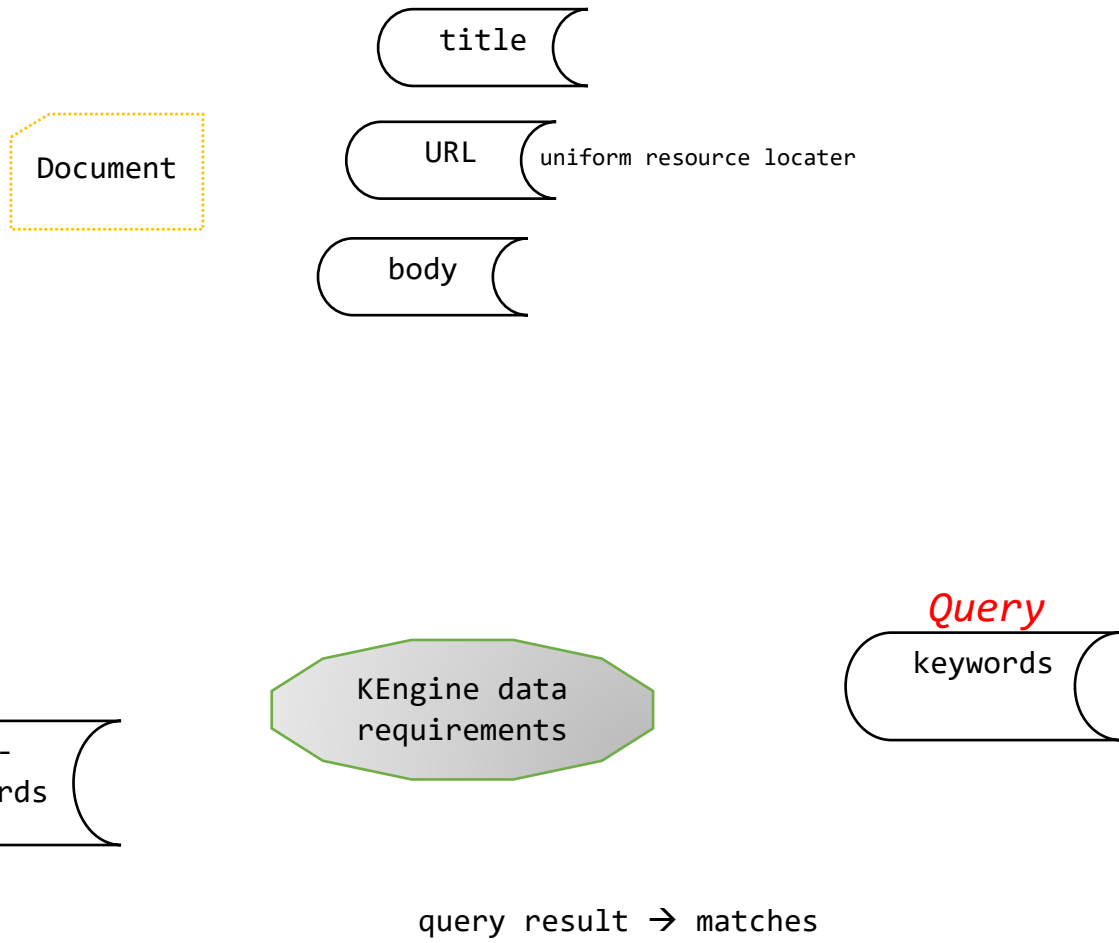


user enter



user enter





functions

emergent
properties

constraint

*non-functional
requirements*

lead to

other functional
requirements

NFR

should be quantified

range of response time is 1-5 secs

- § performance
- § modifiability
- § reusability
- § delivery schedule

Requirement capturing → capture detailed requirements

- interview
- document capturing
- use case
- prototyping

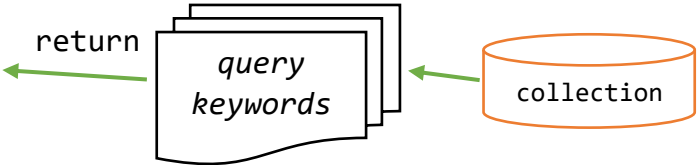
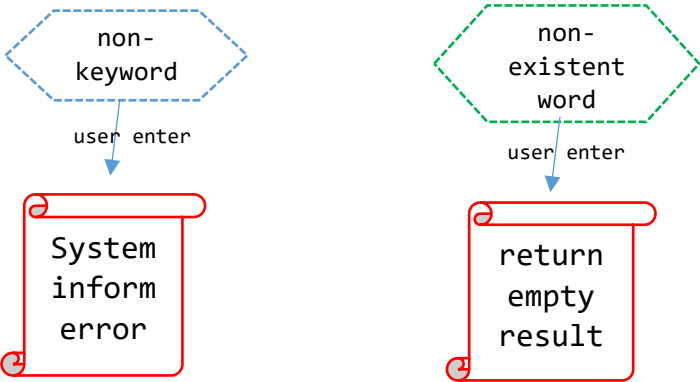
technique: UCD (Use Case Description)

Use Case: 1/ more related user interaction → system ← (by) perform its functions

capture detail ← each function

linked

- normal
- extended: alternative + erroneous interactions

	UCD	
Actor	interacted users' names	user
Description	short (UC)	<div>keyword query → ^{user enter} system</div> <div>→ ^{request} execute</div>
Data	data requirements	keyword query
Stimulus	user action → system perform this function	<div>user command → ^{request} system</div> <div>→ ^{execute} query</div>
Response	description of function	<div>each document: aggregate frequencies</div> <div></div>
Pre-conditions	REQUIRES	determine <i>keywords</i> & <i>non-keywords</i>
Post-conditions	EFFECTS	query result
Extension	error	<div>Extended: Additional scenarios erroneous interactions</div> <div></div>