Entity: Books

~ Get all the books (PK = books and SK begins with )

~ Get all books belongs to a category ( LSI-2-PK ==> book#category and begins with book#)

~ Get a single book (PK = books and SK = book#author#bookname )

~ Get all the books in the DB started with character 'o' (LSI-1-PK == books & LSI-1-SK begins with book#C)

Attributes:

slug

title

author

category

description

image

price

quantity

publishing\_date

created\_at

Updated\_at

get( where pk = books & sk begins with book#)

PK ==> books

SK ==> book#slug

LSI-1-PK ==> books

LSI-1-SK ==> book#category#slug

LSI-2-PK ==> books

LSI-2-SK ==> book#title

Get where pk = books and sk begins with book#

Get where pk = books and sk = book#atomic-habits

Get where LSI-1-PK = books and LSI-1-SK begins with book#development

Get where LSI-2-PK = books and LSI-2-SK begins with book#b

Entity structure

* Structure
  + order\_id
  + User\_id
  + Address //paypal
    - Name
    - Building\_number
    - Street
    - City
    - Country
    - postal\_code
  + Status
  + createdAt
  + Books
    - book\_id
    - Qty
    - price
* Access pattern
  + Get all the orders
  + Get the orders for specific user
  + Get order details
* pk ====> order
* sk ====> order#<order\_id>
* LSI-1-PK ==> orders
* LSI-1-SK ==> order#<user\_id>

Get where pk=order & sk begins with order#

Get where pk= order & sk = order#565666

Get where LSI-1-PK = order & LSI-1-SK = order#6566333

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## Users

## Access patterns

- Get Single User Entity: Users

Attributes:

uder\_id

first\_name

last\_name

email

password

phone

created

PK => users

SK => user#user\_id

Get where pk = users & sk = user#656336

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**### Category:**

**# Access patterns:**

**~ Get all category (PK = category)**

**~ Get single category by title (PK = category and SK= category#title)**

**# Entity: Category**

**Attributes:**

**slug**

**title**

**photo**

**PK ==> category**

**SK ==> category#slug**

**### Cart:**

**# Access patterns:**

**~ Get cart items for user (PK = userId and SK begins with cart#)**

**# Entity: Cart**

**Attributes:**

**{**

**book\_id**

**quantity**

**}**

**PK ==> userId**

**SK ==> cart#datetime#author#bookname**

**Pk**

**Sk**

**Lsi1pk**

**Lsi1sk**

**lsi1-index**