

BRUSSELS COMIC BOOK ROUTE

How to create your open-data-based quick app in less than one hour

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Background

- Objective:
 - > Something intuitive visitors and citizens can use
 - > Quick, simple and ready to use
 - > Multilingual
 - > Enriched by third-party data sources (Wikipedia, comic journals, etc.)
- Context
 - > What is Belgium famous for? Waffles, Chocolate, Beer, Comic books...
 - > Brussels has an open data initiative
 - > We have Quick App templates

Brussels' Comic Book Route: Since the early 90s, Brussels pays tribute to characters and authors of the Franco-Belgian comics on the walls in the city center



Brussels Open Data provides a dataset with the information

The screenshot displays the Brussels Open Data website interface. At the top, there is a red header bar with the 'BXL' logo, 'Open Data', and 'Bruxelles Brussels' text. Below this is a navigation menu with links: Home, Explore (active), Cartograph, API, License, FAQ, News, Links, Suggestions, and Contact. The main content area is titled 'Comic book route' and shows '64 records' with 'No active filters'. A search bar is available under the 'Filters' section. The dataset details are displayed in a table-like format:

Dataset Identifier	comic-book-route
Downloads	1,175
Themes	Culture, Heritage
Keywords	culture, tourisme, comic, strip
License	Licence Ouverte (Etalab)
Language	English
Modified	December 15, 2021 1:56 PM
Publisher	VisitBrussels
Reference	http://www.brussels.be/5316
Territory	Bruxelles
Last processing	December 15, 2021 1:56 PM (metadata) December 15, 2021 1:56 PM (data)
DCAT	
Created	February 24, 2012
Issued	October 1, 2013
Spatial	City of Brussels
Dataset schema	

The URL at the bottom of the page is <https://bruxellesdata.opendatasoft.com/explore/dataset/comic-book-route/table/>.

<https://bruxellesdata.opendatasoft.com/explore/dataset/comic-book-route/table/>

Download the dataset in CSV format

The screenshot shows the 'Open Data Brussels' website interface. At the top, there's a navigation bar with 'Home', 'Explore', 'Cartograph', 'API', 'License', 'FAQ', 'News', 'Links', 'Suggestions', and 'Contact'. The 'Explore' tab is active. Below the navigation bar, the page title is 'Comic book route'. On the left, there's a sidebar with '64 records' and 'No active filters'. Below this is a 'Filters' section with a search bar labeled 'Search records...'. The main content area shows a table with 5 columns: 'Character(s)', 'Author(s)', 'Geocoordinates', 'Year', and 'Photo'. The table contains 19 rows of data, each representing a comic book route. The 'Geocoordinates' column contains pairs of latitude and longitude values. The 'Photo' column contains links to images. At the bottom of the table, there's a pagination control showing '4' and a right arrow.

	Character(s)	Author(s)	Geocoordinates	Year	Photo
1	Cori	Bob de Moor	50.8482909956, 4.3421959877	1998	cori_le_mousaillor
2	Passe-moi l'ciel - Oh! Lieve Hemel	Stuff & Janry	50.8387322, 4.3520306	2002	passe_moi_l_ciel.n
3	Froud & Stouf	Jannin & Liberski	50.8440542, 4.3455639	2014	fresque_froudstou
4	Le Jeune Albert - De Jonge Albert	Yves Chaland	50.8433593148, 4.35011386871	2000	le_jeune_albert.ru
5	Jojo	Geerts	50.8351206193, 4.34547901154	1996	le_petit_jojo.rue_p
6	Parchis	Peter Willems	50.87021, 4.342756	2016	parchis-peterwille
7	Yoko Tsuno	Roger Leloup	50.8425826, 4.3474095	2011	yoko_tsuno_rue t
8	Gaston Lagaffe - Guust Flater	Franquin	50.8492461098, 4.3537402153	2007	gaston_lagaffe.rue
9	Kiekeboe	Merho	50.8936569, 4.3516674	2009	kiekeboe_av_du_g
10	La patrouille des Castors - De Bever...	Mitacq	50.8356220289, 4.3444275856	2003	
11	Le Petit Spirou - De Kleine Robbedoes	Tome & Janry	50.8942608, 4.34231	1996	petit_spirou_bd c
12	Titeuf	Zep	50.8700844057, 4.34397697449	2006	titeuf.avenue_boc
13	Tour à Plomb - Hageltoren	Zidrou	50.847841, 4.3395	2018	zidrou_0.PNG
14	Tamara	Zidrou & Christian Darasse	50.882038, 4.344161	2019	tamara.jpg
15	Spirou - Robbedoes	Yoann & Vehlmann	50.8380325, 4.3505493	2014	spiro_rue-notre-i
16	Les rêves de Nick - De dromen van ...	Herman	50.8487651682, 4.3412733078	1999	les_reves_de_nick
17	Lincoln	Jouvray	50.8772608627, 4.35940504074	2006	lincoln_palaisoutr
18	Lucky Luke	Morris	50.8475, 4.341417	1993	luckyluke_rue_de_
19	Martine - Tinnv	Marcel Marlier	50.876218314, 4.35929775238	2004	martine.avenue d

<https://bruxellesdata.opendatasoft.com/explore/dataset/comic-book-route/table/>

Load the project in OpenRefine

OpenRefine A power tool for working with messy data.

Create Project « Start Over Configure Parsing Options Project name comic book route csv Tags Create Project »

Open Project
Import Project
Language Settings

	Character(s)	Author(s)	Geocoordinates	Year	Photo
1.	Billy the Cat	Colman & Desberg	50.8534930829, 4.34524297714	2000	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/0c23baaad4ec7e0a9febe61e0633047
2.	Blondin & Cirage - Blondie & Blinkie	Jijé	50.8382916052, 4.34736728668	1998	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/e3b8b7b02b73d4559a210ed2f2732cb2
3.	La Vache - De Koe	Johan de Moor	50.8528725, 4.357844	1999	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1863e288e9247fd3f63c93ba0c6b29a5
4.	Schtroumpfs - Smurfs (Smurfs)	Peyo	50.845641, 4.355886	2018	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/e89705bfe2b80e6e73f42c1dfda1c16c
5.	Après-midi place Bockstael - 's Namiddags aan het Bockstaelplein	Elodie Shanta	50.877108, 4.346971	2021	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/d7244fa78a65e9bc49ac482343340200
6.	Benoit Brisefer - Steven Sterk	Peyo	50.8391525, 4.3504241	2015	
7.	Corto Maltese	Pratt	50.8605342, 4.3485253	2009	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/21a653087012d0a110d8ea37b66a549a
8.	LGBT	Ralf König	50.846751, 4.349346	2015	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1fbd8432358b23177561a68366b4312e
9.	Quick & Flupke	Herg??	50.840422, 4.350264	2015	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/19e870c2fd99c38bc1435021617a8389
10.	Le Chat - De Kat	Philippe Geluck	50.8378444279, 4.34198141098	1993	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/55f00cb9735ad5e3ac76deb2ae863be0
11.	L'Ange de Sambre - De Aartsengel	Yslaïre	50.8489412883, 4.34687376022	1998	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/b0c9a62962686c954fafb8c00b971f1c
12.	Solastalgie	Eva Roussel	50.8807067871, 4.34292840958	2021	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/f172cca2444f7d0276a71cbde762877b
13.	Marsupilami	Franquin	50.8907142, 4.3371644	2013	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/19e870c2fd99c38bc1435021617a8389

Parse data as

CSV / TSV / separator-based files

Line-based text files

Fixed-width field text files

PC-Axis text files

JSON files

MARC files

JSON-LD files

RDF/N3 files

RDF/N-Triples files

RDF/Turtle files

Character encoding UTF-8

Columns are separated by

☐ commas (CSV)

☐ tabs (TSV)

☒ custom: ;

☐ Trim leading & trailing whitespace from strings

Escape special characters with \

☐ Column names (comma separated):

☐ Ignore first 0 line(s) at beginning of file

☒ Parse next 1 line(s) as column headers

☐ Discard initial 0 row(s) of data

☐ Load at most 0 row(s) of data

☒ Use character " " to enclose cells containing column separators

☐ Attempt to parse cell text into numbers

☒ Store blank rows

☒ Store blank cells as nulls

☐ Store file source

☐ Store archive file

Update Preview

Version 3.5.2 [e3efd4e]

Preferences
Help
About

<https://openrefine.org/>

64 Points of Interest

3 without picture

All with name,
and coordinates

OpenRefine Comic Book Route BXL [Permalink](#) Open... Export Help

Facet / Filter Undo / Redo 0 / 0 64 rows Extensions: Wikidata

Refresh Reset All Remove All

Photo change

2 choices Sort by: name count

false 61

true 3

Facet by choice counts

Geocoordinates change

1 choice Sort by: name count

false 64

Facet by choice counts

Character(s) change

1 choice Sort by: name count

false 64

Facet by choice counts

Show as: rows records Show: 5 10 25 50 100 500 1000 rows « first < previous 1 of 1 page next > last »

	All	Character(s)	Author(s)	Geocoordinates	Year	Photo
☆	1.	Billy the Cat	Colman & Desberg	50.8534930829, 4.34524297714	2000	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/0c23baaad4ec7e0a9febe61e0633047
☆	2.	Blondin & Cirage - Blondie & Blinkie	Jijé	50.8382916052, 4.34736728668	1998	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/e3b8b7b02b73d4559a210ed2f2732cb2
☆	3.	La Vache - De Koe	Johan de Moor	50.8528725, 4.357844	1999	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1863e288e9247fd3f63c93ba0c6b29a5
☆	4.	Schtroumpfs - Smurfen (Smurfs)	Peyo	50.845641, 4.355886	2018	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/e89705bfe2b80e6e73f42c1ddfa1c16c
☆	5.	Après-midi place Bockstael - 's Namiddags aan het Bockstaelplein	Elodie Shanta	50.877108, 4.346971	2021	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/d7244fa78a65e9bc49ac482343340200
☆	6.	Benoit Brisefer - Steven Sterk	Peyo	50.8391525, 4.3504241	2015	
☆	7.	Corto Maltese	Pratt	50.8605342, 4.3485253	2009	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/21a653087012d0a110d8ea37b66a549a
☆	8.	LGBT	Ralf König	50.846751, 4.349346	2015	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1fbd8432358b23177561a68366b4312e
☆	9.	Quick & Flupke	Herg??	50.840422, 4.350264	2015	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/19e870c2fd99c38bc1435021617a8389
☆	10.	Le Chat - De Kat	Philippe Geluck	50.8378444279, 4.34198141098	1993	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/55f00cb9735ad5e3ac76deb2ae863be0
☆	11.	L'Ange de Sambre - De Aartsengel	Yslaire	50.8489412883, 4.34687376022	1998	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/b0c9a62962686c954fafb8c00b971f1c
☆	12.	Solastalgie	Eva Roussel	50.8807067871, 4.34292840958	2021	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/f172cca2444f7d0276a71cbde762877b
☆	13.	Marsupilami	Franquin	50.8907142, 4.3371644	2013	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/4d909466e3164c0ef0e0d5ae4a21a1d0
☆	14.	La Voie lactée	Mathilde Van Gheluve	50.8394619195, 4.34260158861	2019	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1f86cb113cd88bb60405f77a4c13fc73
☆	15.	Boule & Bill - Bollie & Billie	Roba	50.8376411641, 4.3455862999	1992	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/4e84973dda8839c63fb15edbe02671c7
☆	16.	Le roi des mouches	Mezzo	50.87640787, 4.35762405396	2007	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/b5cfaab92e82e4a0a93c1579632d32a
☆	17.	Blake & Mortimer	Jacobs	50.8398908, 4.3513569	2005	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/5082678d893671de023f9157caa227fa
☆	18.	Le monde ... l'envers - De omgekeerde wereld	Atak	50.87798328811941, 4.348827242299489	2021	
☆	19.	Martine - Tinny	Marcel Marlier	50.876218314, 4.35929775238	2004	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/928f29a147e577c70480d4f905254d31
☆	20.	Broussaille - Ragebol	Frank Pé	50.8467465143, 4.34942722321	1999	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/b17daccbf026ff22035464e3d0f12b51
☆	21.	Caroline Baldwin	Taymans & Wesel	50.8487380728, 4.33895587921	2003	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/310a0910ca6fc0d6eb6845f8b1fca476

Cleansing: separate coordinate components

Split column Geocoordinates into several columns

How to Split Column

- ☒ by separator
 - Separator: ☐ regular expression
 - Split into: columns at most (leave blank for no limit)
- ☐ by field lengths
 -
 - List of integers separated by commas, e.g., 5, 7, 15

After Splitting

- ☒ Guess cell type
- ☒ Remove this column

OK Cancel

Geocoordinates	Year
50.8534930829,4.34524297714	2000
50.8382916052,4.34736728668	1999
50.8528725,4.357844	1999

Geocoordinates 1	Geocoordinates 2	Year
50.8534930829	4.34524297714	2000
50.8382916052	4.34736728668	1999
50.8528725	4.357844	1999
50.845641	4.355886	2000

Cleansing: separate authors

5 10 25 50 100 500 1000 rows

	Author(s)	lat
	Colman & Desberg	
linkie	Jijé	
	Johan de Moor	

Split column

How to Split

☒ by separator

Separator

Split into

☐ by field length

Split column Author(s) 1 into several columns

How to Split Column

☒ by separator
Separator ☐ regular expression
Split into columns at most (leave blank for no limit)

☐ by field lengths

List of integers separated by commas, e.g., 5, 7, 15

After Splitting

☒ Guess cell type
☒ Remove this column

	▼ Author(s) 1	▼ Author(s) 2	▼
	Colman	Desberg	
e &	Jijé		
	Johan de Moor		
	Peyo		
slu's	Elodie Chanta		

Original dataset properly formatted

OpenRefine Comic Book Route BXL Permalink

Open... Export Help

Facet / Filter Undo / Redo 9 / 9

64 rows

Extensions: Wikidata

Refresh Reset All Remove All

Show as: rows records Show: 5 10 25 50 100 500 1000 rows

« first < previous 1 of 1 page next > last »

author1 change

62 choices Sort by: name count Cluster

Franquin 2
Peyo 2
Atak 1
Auréli William Levaux 1
Bob de Moor 1
Carin 1
Céline Fraipont 1
Colman 1
Dany 1
Dominique Goblet 1
Dupa 1
Dunuv 1

	name	author1	author2	latitude	longitude	year	photo
1.	Billy the Cat	Colman	Desberg	50.8534930829	4.34524297714	2000	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/0c23baaad4ec7e0a9febe81e0633047
2.	Blondin & Cirage - Blondie & Blinky	Jijé		50.8382916052	4.34736728668	1998	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/e3b8b7b02b73d4559a210ed2f2732cb2
3.	La Vache - De Koe	Johan de Moor		50.8528725	4.357844	1999	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1863e288e9247fd3f63c93ba0c6b29a5
4.	Schtroumpfs - Smurfs (Smurfs)	Peyo		50.845641	4.355886	2018	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/e89705bfe2b80e6e73f42c1dfda1c16c
5.	Après-midi place Bockstael - 's Namiddags aan het Bockstaelplein	Elodie Shanta		50.877108	4.346971	2021	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/d7244fa78a65e9bc49ac482343340200
6.	Benoît Brisefer - Steven Sterk	Peyo		50.8391525	4.3504241	2015	
7.	Corto Maltese	Pratt		50.8605342	4.3485253	2009	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/21a653087012d0a110d8ea37b66a549a
8.	LGBT	Ralf König		50.846751	4.349346	2015	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1fbd8432358b23177561a6836b4312e
9.	Quick & Flupke	Herg??		50.840422	4.350264	2015	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/19e870c2fd99c38bc1435021617a8389
10.	Le Chat - De Kat	Philippe Geluck		50.8378444279	4.34198141098	1993	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/55f00cb9735ad5e3ac76deb2ae863be0
11.	L'Ange de Sambre - De Aartsengel	Yslaire		50.8489412883	4.34687376022	1998	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/b0c9a62962686c954fab8c00b971f1c
12.	Solastalgie	Eva Roussel		50.8807067871	4.34292840958	2021	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/f172cca2444f7d0276a71cbde762877b
13.	Marsupilami	Franquin		50.8907142	4.3371644	2013	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/4d909466e3164c0ef0e0d5ae4a21a1d0
14.	La Voie lactée	Mathilde Van Gheluwe		50.8394619195	4.34260158861	2019	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1f86cb113cd88bb60405f77a4c13fc73
15.	Boule & Bill - Bollie & Billie	Roba		50.8376411641	4.3455862999	1992	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/4e84973dda8839c63fb15edbe02671c7
16.	Le roi des mouches	Mezzo		50.87640787	4.35762405396	2007	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/b5cfaab92e82e4a0a93c1579632d32a
17.	Blake & Mortimer	Jacobs		50.8398908	4.3513569	2005	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/5082678d893671de023f9157caa227fa
18.	Le monde ... l'envers - De omgekeerde wereld	Atak		50.87798328811941	4.348827242299489	2021	
19.	Martine - Tinny	Marcel Marlier		50.876218314	4.35929775238	2004	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/928f29a147e577c70480d4f905254d31
20.	Broussaille - Ragebol	Frank Pé		50.8467465143	4.34942722321	1999	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/b17daccbf026ff22035464e3d0f12b51
21.	Caroline Baldwin	Taymans	Wesel	50.8487380728	4.33895587921	2003	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/310a0910ca6fc0d6eb6845f8b1fca476
22.	Le grand jour qui porte le	Dominique		50.855605	4.351617	2018	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1f86cb113cd88bb60405f77a4c13fc73

Reconcile data from the Wikipedia

Reconcile column "name"

[Access Service API](#)

Reconcile each cell to an entity of one of these types:

☐ comic book series
Q14406742

☐ comic book album
Q2831984

☐ community
Q177634

☐ silent film
Q226730

☐ media franchise
Q196600

☐ gag cartoon
Q3543088

☐ version, edition, or translation
Q3331189

☐ social movement
Q49773

☐ magazine

☐ Reconcile against type:

☒ Reconcile against no particular type

☒ Auto-match candidates with high confidence

Maximum number of candidates to return

Also use relevant details from other columns:

Column	Include?	As Property
author1	<input checked="" type="checkbox"/>	<input type="text"/>
author2	<input checked="" type="checkbox"/>	<input type="text"/>
latitude	<input type="checkbox"/>	<input type="text"/>
longitude	<input type="checkbox"/>	<input type="text"/>
year	<input type="checkbox"/>	<input type="text"/>
photo	<input type="checkbox"/>	<input type="text"/>

Add Standard Service...

Start Reconciling... Cancel

30" later, we have semantics in our spreadsheet

The image shows the OpenRefine interface on the left and two Wikidata pages on the right. The OpenRefine interface displays a dataset of comic books with columns for name, author1, and author2. The 'author1' column is faceted, showing a list of authors. The 'name' column is faceted by judgment, showing a bar chart of the number of rows for each name. The 'author2' column is faceted by name, showing a list of authors. The Wikidata pages show the 'Billy the Cat' entity (Q863286) and its associated statements, including 'comic book series' and 'French/Belgian animated series'. Arrows indicate the mapping from the OpenRefine data to the Wikidata entities.

OpenRefine Comic Book Route BXL

Facet / Filter Undo / Redo 10 / 10

Refresh Reset All Remove All

author1 change

62 choices Sort by: name count Cluster

Franquin 2
Peyo 2
Atak 1
Aurélien William Levaux 1
Bob de Moor 1
Carin 1
Céline Fraipont 1
Colman 1
Dany 1
Dominique Goblet 1
Dupa 1
Duniv 1

name: judgment change

2 choices Sort by: name count

matched 5
none 59
Facet by choice counts

name: best candidate's score change reset

59 — 101

☒ Numeric ☐ Non-numeric ☒ Blank ☐ Error

53 0 11 0

64 rows

Show as: rows records Show: 5 10 25 50 100 500 1000 rows

name **author1** **author2**

1. Billy the Cat (100) Colman Desberg

☒ Billy the Cat (100)
☒ Billy the Cat (100)
☒ Billy the Cat (100)
☒ Billy the Cat (100)
☒ histoires courtes de Billy the Cat (74)
☒ Le Choix de Billy (60)
☒ Billy Boss (52)
☒ Cat City (48)
☒ L'Œil du maître (41)
☒ Saucisse le terrible (36)
☒ Le Chaméléon (32)
☒ Dans la peau d'un chat (29)
☒ L'Été du secret (29)
☒ Les Machines à ronronner (27)
☒ La vie amoureuse de Sophie Arnould (26)
☒ Le Destin de Pirmin (25)
☒ A Classification of forest habitat types of the Lincoln National Forest, New Mexico (25)
☒ Monsieur papa (23)
☒ A crustacean annotated transcriptome (CAT) database (23)
☒ The sequence to hydrogenate coronene cations: A journey guided by magic numbers (22)
☒ Systemic cat scratch disease: hepatic and splenic involvement about 3 pediatric cases. (21)
☒ Integration of Multiple Platforms for the Analysis of Multifluorescent Marking Technology Applied to Pediatric GBM and DIPG (18)
☒ Water, shape recognition, salt bridges, and cation- π interactions differentiate peptide recognition of the HIV rev-responsive element (15)
☒ A simplified protein precipitation/mixed-mode cation-exchange solid-phase extraction, followed by high-speed liquid chromatography/mass

Wikidata: Billy the Cat (Q863286)

comic book series

Language	Label	Description	Also known as
English	Billy the Cat	comic book series	
Spanish	No label defined	No description defined	
Catalan	No label defined	No description defined	
Dutch	Billy the Cat	stripreeks door Jean-Louis Janssens	

Statements

instance of comic book series
~ 0 references
+ add reference
+ add value

title Billy the Cat (French)
~ 0 references
+ add reference
+ add value

Wikidata: Billy the Cat (Q20198456)

French/Belgian animated series

Language	Label	Description	Also known as
English	Billy the Cat	French/Belgian animated series	
Spanish	No label defined	serie de televisión	
Catalan	No label defined	No description defined	
Dutch	No label defined	televisieserie uit Canada	

Statements

instance of television series
~ 0 references
+ add reference
+ add value

We can reconcile by a specific type

Reconcile column "name"

[Access Service API](#)

Reconcile each cell to an entity of one of these types:

☒ comic book series
Q14406742

☐ comic book album
Q2831984

☐ community
Q177634

☐ silent film
Q226730

☐ media franchise
Q196600

☐ gag cartoon
Q3543088

☐ version, edition, or translation
Q3331189

☐ social movement
Q49773

☐ magazine

☐ Reconcile against type:

☐ Reconcile against no particular type

☒ Auto-match candidates with high confidence

Maximum number of candidates to return

Also use relevant details from other columns:

Column	Include?	As Property
author1	<input type="checkbox"/>	<input type="text"/>
author2	<input type="checkbox"/>	<input type="text"/>
latitude	<input type="checkbox"/>	<input type="text"/>
longitude	<input type="checkbox"/>	<input type="text"/>
year	<input type="checkbox"/>	<input type="text"/>
photo	<input type="checkbox"/>	<input type="text"/>

Add Standard Service...

Start Reconciling... Cancel

Some perfect, and close matches

OpenRefine Comic Book Route BXL Permalink

Facet / Filter Undo / Redo 11 / 11

Refresh Reset All Remove All

59 matching rows (64 total)

Show as: rows records Show: 5 10 25 50 100 500 1000 rows

Extensions: Wikidata

author1

57 choices Sort by: name count Cluster

Frankin 2
Peyo 2
Atak 1
Aurélie William Levaux 1
Bob de Moor 1
Carin 1
Céline Fraipont 1
Colman 1
Dany 1
Dominique Goblet 1
Dupa 1
Dunuy 1

name: judgment

2 choices Sort by: name count

matched 20
none 39

Facet by choice counts

name: best candidate's score

59 — 101

☒ Numeric 47 ☐ Non-numeric 0 ☒ Blank 17

☐ Error 0

name: judgment

2 choices Sort by: name count

matched 20
none 39

		name	author1	author2	latitude	longitude	year	photo
1.		Billy the Cat	Colman	Desberg	50.8534930829	4.34524297714	2000	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/0c23baaad4ec7e0a9febe61e0633047
2.		Blondin & Cirage - Blondie & Blinkie	Jijé		50.8382916052	4.34736728668	1998	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/e3b8b7b02b73d4559a210ed2f2732cb2
3.		La Vache - De Koe	Johan de Moor		50.8528725			
4.		Schtroumpfs - Smurfs	Peyo		50.845641			
5.		Après-midi place Bockstael - 's Namiddags aan het Bockstaelplein	Elodie Shanta		50.877108	4.346971	2021	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/d7244fa78a65e9bc49ac482343340200

Show as: rows records Show: 5 10 25 50 100 500 1000 rows

1. Billy the Cat
Choose new match

2. Blondin & Cirage - Blondie & Blinkie
Choose new match

3. La Vache - De Koe
Choose new match

4. Schtroumpfs - Smurfs
Choose new match

5. Après-midi place Bockstael - 's Namiddags aan het Bockstaelplein
Choose new match

Match this Cell Match All Identical Cells Cancel

Blondin et Cirage (Q611537)
comic book series

Finally, 48 matches

OpenRefine Comic Book Route BXL Permalink

Open... Export Help

Facet / Filter Undo / Redo 58 / 58

Refresh Reset All Remove All

48 matching rows (64 total)

Extensions: Wikidata

Show as: rows records Show: 5 10 25 50 100 500 1000 rows

« first < previous 1 of 1 page next > last »

		name	original-name	author1	author2	latitude	longitude	year	photo
☆	1.	Billy the Cat Choose new match	Billy the Cat	Colman	Desberg	50.8534930829	4.34524297714	2000	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/0c23baaad4ec7e0a9febe61e0633047
☆	2.	Blondin et Cirage Choose new match	Blondin & Cirage - Blondie & Blinkie	Jijé		50.8382916052	4.34736728668	1998	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/e3b8b7b02b73d4559a210ed2f2732cb2
☆	3.	La Vache Choose new match	La Vache - De Koe	Johan de Moor		50.8528725	4.357844	1999	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1863e288e9247fd3f63c93ba0c6b29a5
☆	4.	The Smurfs Choose new match	Schtroumpfs - Smurfen (Smurfs)	Peyo		50.845641	4.355886	2018	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/e69705bfe2b80e6e73f42c1dfa1c16c
☆	6.	Benoît Brisefer Choose new match	Benoît Brisefer - Steven Sterk	Peyo		50.8391525	4.3504241	2015	
☆	7.	Corto Maltese Choose new match	Corto Maltese	Pratt		50.8605342	4.3485253	2009	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/21a653087012d0a110d8ea37b66a549a
☆	8.	LGBT community Choose new match	LGBT	Ralf König		50.846751	4.349346	2015	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1fbd8432358b23177561a68366b4312e
☆	9.	Quick & Flupke Choose new match	Quick & Flupke	Herg??		50.840422	4.350264	2015	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/19e870c2fd99c38bc1435021617a8389
☆	10.	Le Chat Choose new match	Le Chat - De Kat	Philippe Geluck		50.8378444279	4.34198141098	1993	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/55f00cb9735ad5e3ac76deb2ae863be0
☆	13.	Marsupilami Choose new match	Marsupilami	Franquin		50.8907142	4.3371644	2013	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/4d909466e3164c0ef0e0d5ae4a21a1d0
☆	15.	Boule et Bill Choose new match	Boule & Bill - Bollie & Billie	Roba		50.8376411641	4.3455862999	1992	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/4e84973dda8839c63fb15edbe02671c7
☆	17.	Blake and Mortimer Choose new match	Blake & Mortimer	Jacobs		50.8398908	4.3513569	2005	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/5082678d093671de023f9157caa227fa
☆	20.	Broussaille Choose new match	Broussaille - Ragebol	Frank Pé		50.8467465143	4.34942722321	1999	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/b17daccbf026ff22035464e3d0f12b51
☆	21.	Caroline Baldwin Choose new match	Caroline Baldwin	Taymans	Wesel	50.8487380728	4.33895587921	2003	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/310a0910ca6fc0d6eb6845f8b1fca476
☆	24.	Léonard Choose new match	Léonard	Turk	De Groot	50.8381135	4.3468826	2015	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/1a2f0b57f0fbc573ae2ef2b7616945f
☆	25.	Odilon Verjus Choose new match	Odilon Verjus - Govert Suurbier	Verron	Yann	50.8386439237	4.3463371842	2004	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/6dbba6f299b0ace70c476a0bca8518a0
☆	26.	Thorgal Choose new match	Thorgal	Grzegorz Rosinski	Jean Van Hamme	50.8436175268	4.34409090675	2013	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/761fbc33410c8ee3dccc577a7151eb9af
☆	28.	Petit Poulu Choose new match	Petit Poulu - Stoppeltje	Céline Fraipont	Pierre Bailly	50.8929672241	4.42356586456	2020	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/9f7af2d4543c532cb7ecde36b5f4822c
☆	30.	Le Scorpion Choose new match	Le Scorpion - De Schorpioen	Marini		50.8477626262	4.3621301651	2002	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/911d3d085d018edc2900ffc719e3b755
☆	31.	Asterix Choose new match	Astérix & Obélix	Goscinny	Uderzo	50.8464078054	4.34236764908	2005	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-route/files/8949022f8f4a09a86fe477f4003c14f4
☆	32.	Gaston	Gaston Lagaffe - Guust	Franquin		50.8492461098	4.3537402153	2007	https://opendata.bruxelles.be/api/v2/catalog/datasets/comic-book-

author1 change 46 choices Sort by: name count Cluster

author2

latitude

longitude

year

photo

name: judgment change invert reset 2 choices Sort by: name count

matched 48 exclude

new 16

Facet by choice counts

Enrich the dataset with more information

SHOW AS: rows records

▼ All	▼ name	▼ original-name	▼ author1	▼ author2	▼ lat
1.	Billy the Cat	Billy the Cat	Colman	Desberg	50.8534
2.	Blondin et Cirage - Blondie & Blinkie	Blondin et Cirage - Blondie & Blinkie	Jijé		50.8382
3.	La Vache	La Vache			50.8376
4.	The Smurfs	The Smurfs			50.8376
6.	Benoît Brisefer	Benoît Brisefer			50.8376
7.	Corto Maltese	Corto Maltese			50.8376
8.	LGBT community	LGBT community			50.8376
9.	Quick & Flupke	Quick & Flupke			50.8376
10.	Le Chat	Le Chat			50.8376
13.	Marsupilami	Marsupilami			50.8376
15.	Boule et Bill	Boule et Bill			50.8376
17.	Blake and Mortimer	Blake & Mortimer	Jacobs		50.8376

Facet

Text filter

Edit cells

Edit column

Transpose

Sort...

View

Reconcile

Split into several columns...

Join columns...

Add column based on this column...

Add column by fetching URLs...

Add columns from reconciled values...

Rename this column

Remove this column

Move column to beginning

Move column to end

Move column left

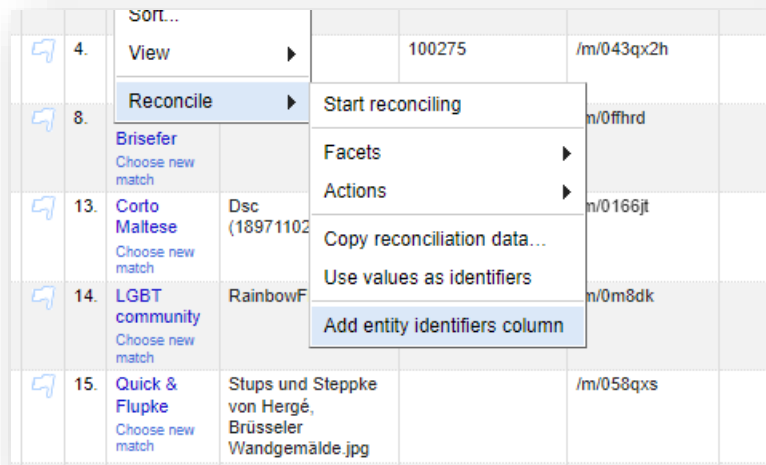
Move column right

48 matching rows (81 total)

Show as: rows records Show: 5 10 25 50 100 500 1000 rows

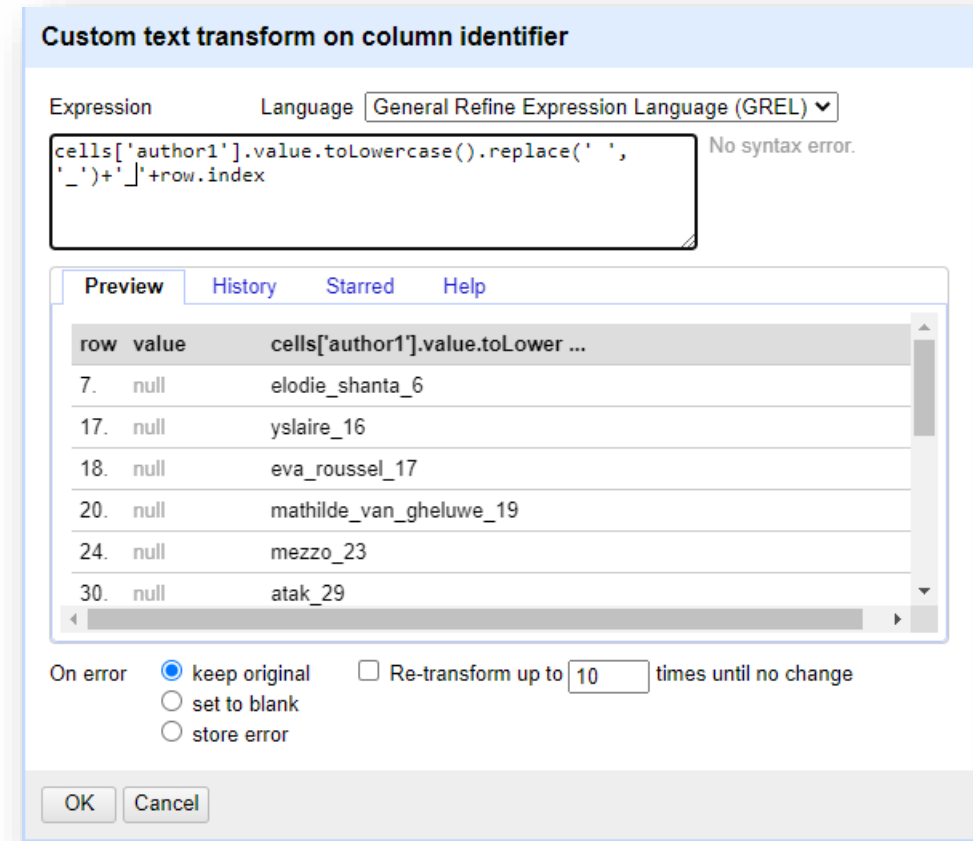
▼ All	▼ name	▼ image	▼ GCD series ID	▼ Freebase ID	▼ French Wikidia ID	▼ original-name	▼
1.	Billy the Cat		9582	/m/079ch0	Billy_the_Cat	Billy the Cat	Colman
2.	Blondin et Cirage	Blondin en Blinkie.JPG				Blondin & Cirage - Blondie & Blinkie	Jijé
3.	La Vache					La Vache - De Koe	Joh
4.	The Smurfs		100275	/m/043qx2h		Schtroumpfs - Smurfen (Smurfs)	Pey
8.	Benoît Brisefer	Steven Sterk.jpg	72680	/m/0ffhrd		Benoit Brisefer - Steven Sterk	Pey
13.	Corto Maltese	Dsc (189711025).jpeg		/m/0166jt		Corto Maltese	Prat
14.	LGBT community	RainbowFlagEdit.jpg		/m/0m8dk		LGBT	Ralf
15.	Quick & Flupke	Stups und Steppke von Hergé, Brüsseler Wandgemälde.jpg		/m/058qxs		Quick & Flupke	Hergé
16.	Le Chat			/m/09krc4		Le Chat - De Kat	Philippe

Create unique identifiers for each row



4.	Sort...				
	View		100275	/m/043qx2h	
8.	Reconcile			m/0ffhrd	
	Brisefer				
	Choose new match				
13.	Corto Maltese	Dsc (18971102		m/0166jt	
	Choose new match				
14.	LGBT community	RainbowF		m/0m8dk	
	Choose new match				
15.	Quick & Flupke	Stups und Steppke von Hergé, Brüsseler Wandgemälde.jpg		/m/058qxs	
	Choose new match				

Based on WikiData IDs



Custom text transform on column identifier

Expression Language General Refine Expression Language (GREL) ▾

`cells['author1'].value.toLowerCase().replace(' ', '_')+row.index` No syntax error.

Preview History Starred Help

row	value	cells['author1'].value.toLower ...
7.	null	elodie_shanta_6
17.	null	yslaire_16
18.	null	eva_rousseau_17
20.	null	mathilde_van_gheluwe_19
24.	null	mezzo_23
30.	null	atak_29

On error ☒ keep original ☐ set to blank ☐ store error ☐ Re-transform up to times until no change

OK Cancel

For the rest we create it, based on author's name

Double-check there are no duplicates

OpenRefine Comic Book Route BXL [Permalink](#)

Facet / Filter Undo / Redo 79 / 79

Refresh Reset All Remove All

author1 change

name: judgment change

identifier change

1 choice Sort by: name count

false 64

Facet by choice counts

64 rows

Show as: rows records Show: 5 10 25 50 100 500

		name	identifier	image
☆	🗨	1. Billy the Cat Choose new match	Q863286	
☆	🗨	2. Blondin et Cirage Choose new match	Q611537	Blondie er Blinkie.JPG
☆	🗨	3. La Vache Choose new match	Q25395384	
☆	🗨	4. The Smurfs Choose new match	Q4537599	
☆	🗨	5. Après-midi place Bockstael - 's Namiddags aan het Bockstaelplein new Choose new match	elodie_shanta_6	
☆	🗨	6. Benoît Brisefer Choose new match	Q263986	Steven St
☆	🗨	7. Corto Maltese Choose new match	Q12116	Dsc (18971102
☆	🗨	8. LGBT community Choose new match	Q51393	RainbowF
☆	🗨	9. Quick & Flupke Choose new match	Q1195574	Stups und von Hergé Brüsseler Wandgem
☆	🗨	10. Le Chat Choose new match	Q2240755	
☆	🗨	11. L'Ange de Sambre - De Aartsengel new Choose new match	yslaire_16	
☆	🗨	12. Solastalgie new Choose new match	eva_roussel_17	
☆	🗨	13. Marsupilami Choose new match	Q18221660	
☆	🗨	14. La Voie lactée new Choose new match	mathilde_van_gheluwe_19	
☆	🗨	15. Boule et Bill Choose new match	Q59991	Boule-et-B Wandgem Brussel j
☆	🗨	16. Le roi des mouches new Choose new match	mezzo_23	
☆	🗨	17. Blake and Mortimer Choose new match	Q59990	Comic wal Mortimer 2 Jacobs. B
☆	🗨	18. Le monde ... l'envers - De omgekeerde wereld new	atak_29	

Data ready to be exported to JSON format

OpenRefine Comic Book Route BXL Permalink

Open... Export Help

Facet / Filter Undo / Redo 79 / 79

64 rows

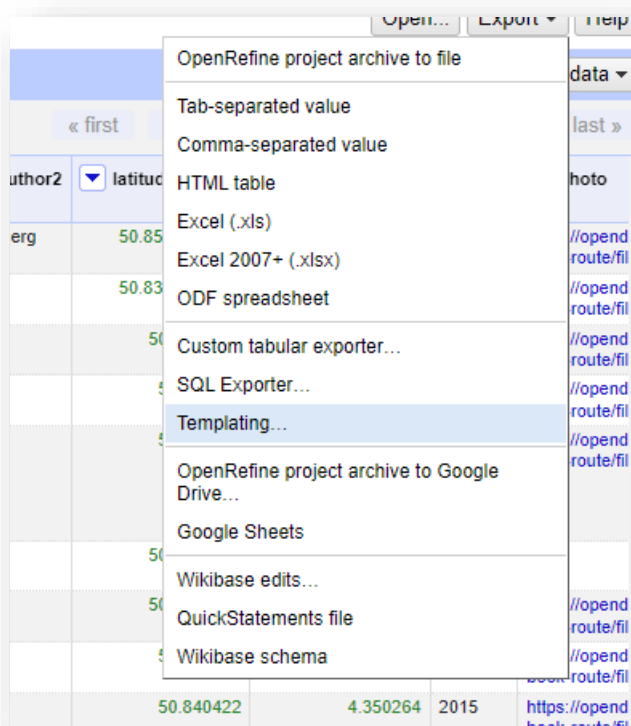
Show as: rows records Show: 5 10 25 50 100 500 1000 rows

Extensions: Wikidata

« first < previous 1 of 1 page next > last »

		name	identifier	image	GCD series ID	Freebase ID	French Vikidia ID	original-name	author1	author2	latitude	longitude	year	photo
☆	1.	Billy the Cat Choose new match	Q863286		9582	/m/079ch0	Billy_the_Cat	Billy the Cat	Colman	Desberg	50.8534930829	4.34524297714	2000	https://open-book-route/fil
☆	2.	Blondin et Cirage Choose new match	Q611537	Blondie en Blinkie.JPG				Blondin & Cirage - Blondie & Blinkie	Jijé		50.8382916052	4.34736728668	1998	https://open-book-route/fil
☆	3.	La Vache Choose new match	Q25395384					La Vache - De Koe	Johan de Moor		50.8528725	4.357844	1999	https://open-book-route/fil
☆	4.	The Smurfs Choose new match	Q4537599		100275	/m/043qx2h		Schtroumpfs - Smurfen (Smurfs)	Peyo		50.845641	4.355886	2018	https://open-book-route/fil
☆	5.	Après-midi place Bockstael - 's Namiddags aan het Bockstaelplein new Choose new match	elodie_shanta_6					Après-midi place Bockstael - 's Namiddags aan het Bockstaelplein	Elodie Shanta		50.877108	4.346971	2021	https://open-book-route/fil
☆	6.	Benoît Brisefer Choose new match	Q263986	Steven Sterk.jpg	72680	/m/0fthrd		Benoît Brisefer - Steven Sterk	Peyo		50.8391525	4.3504241	2015	
☆	7.	Corto Maltese Choose new match	Q12116	Dsc (189711025).jpeg		/m/0166jt		Corto Maltese	Pratt		50.8605342	4.3485253	2009	https://open-book-route/fil
☆	8.	LGBT community Choose new match	Q51393	RainbowFlagEdit.jpg		/m/0m8dk		LGBT	Ralf König		50.846751	4.349346	2015	https://open-book-route/fil
☆	9.	Quick & Flupke Choose new match	Q1195574	Stups und Steppke von Hergé, Brüsseler Wandgemälde.jpg		/m/058qxs		Quick & Flupke	Hergé??		50.840422	4.350264	2015	https://open-book-route/fil
☆	10.	Le Chat Choose new match	Q2240755			/m/09krc4		Le Chat - De Kat	Philippe Geluck		50.8378444279	4.34198141098	1993	https://open-book-route/fil
☆	11.	L'Ange de Sambre - De Aartsengel new Choose new match	yslaire_16					L'Ange de Sambre - De Aartsengel	Yslaïre		50.8489412883	4.34687376022	1998	https://open-book-route/fil
☆	12.	Solastalgie new Choose new match	eva_rousset_17					Solastalgie	Eva Roussel		50.8807067871	4.34292840958	2021	https://open-book-route/fil
☆	13.	Marsupilami Choose new match	Q18221660					Marsupilami	Franquin		50.8907142	4.3371644	2013	https://open-book-route/fil
☆	14.	La Voie lactée new Choose new match	mathilde_van_gheluwe_19					La Voie lactée	Mathilde Van Gheluwe		50.8394619195	4.34260158861	2019	https://open-book-route/fil
☆	15.	Boule et Bill Choose new match	Q59991	Boule-et-Bill-Wandgemaelde in Brussels.jpg	28180	/m/0dtfb_	Boule_et_Bill	Boule & Bill - Bollie & Billie	Roba		50.8376411641	4.3455862999	1992	https://open-book-route/fil
☆	16.	Le roi des mouches new Choose new match	mezzo_23					Le roi des mouches	Mezzo		50.87640787	4.35762405396	2007	https://open-book-route/fil
☆	17.	Blake and Mortimer Choose new match	Q59990	Comic wall Blake & Mortimer 2. Edgar P. Jacobs. Brussels.jpg	47645	/m/03vj46	Blake_et_Mortimer	Blake & Mortimer	Jacobs		50.8398908	4.3513569	2005	https://open-book-route/fil
☆	18.	Le monde ... l'envers - De omgekeerde wereld new	atak_29					Le monde ... l'envers - De omgekeerde wereld	Atak		50.87798328811941	4.348827242299489	2021	

Table to JSON based on the template



The screenshot shows the OpenRefine interface with the 'Export' menu open. The 'Templating...' option is highlighted. The background table has columns 'author2', 'latitude', and 'photo'.

author2	latitude	photo
erg	50.85	//opend route/fil
	50.83	//opend route/fil
	50	//opend route/fil
	50	//opend route/fil
	50	//opend route/fil
	50	//opend route/fil
	50	//opend route/fil
	50	//opend route/fil
	50	//opend route/fil
	50	//opend route/fil
	50.840422	https://opend book route/fil

Templating Export

Prefix

```
{  
  "pois" : [  

```

Row Template

```
{  
  "id" : {{jsonize(cells["identifiant"].value)}},  
  "name" : {{jsonize(cells["original-name"].value)}},  
  "description" : {{jsonize("Comic by " + cells["autho  
  "lat" : {{jsonize(cells["latitude"].value)}},  
  "lon" : {{jsonize(cells["longitude"].value)}},  
  "images" : [{{if(cells["photo"].value!=null, jsonize  
  "urls" : [ {{if(cells["GCD series ID"].value!=null,  
  "freebase" : {{jsonize(cells["Freebase ID"].value)}}  
  "wikimedia" : {{jsonize(cells["identifiant"].value)}}  
}
```

Row Separator

,

Suffix

```
]  
}
```

Reset Template

Export Cancel

```
{  
  "pois" : [  
    {  
      "id" : "Q863286",  
      "name" : "Billy the Cat",  
      "description" : "Comic by Colman and Desberg in  
      "lat" : 50.8534930829,  
      "lon" : 4.34524297714,  
      "images" : ["https://opendata.bruxelles.be/api/v2/  
      "urls" : [ https://www.comics.org/series/"9582/"],  
      "freebase" : "/m/079ch0",  
      "wikimedia" : "Q863286",  
    },  
    {  
      "id" : "Q611537",  
      "name" : "Blondin & Cirage - Blondie & Blinky",  
      "description" : "Comic by Jijé in 1998",  
      "lat" : 50.8382916052,  
      "lon" : 4.34736728668,  
      "images" : ["https://opendata.bruxelles.be/api/v2/  
      "urls" : [ ],  
      "freebase" : null,  
      "wikimedia" : "Q611537",  
    },  
    {  
      "id" : "Q25395384",  
      "name" : "La Vache - De Koe",  
      "description" : "Comic by Johan de Moor in 1999",  
      "lat" : 50.8528725,  
      "lon" : 4.357844,  
      "images" : ["https://opendata.bruxelles.be/api/v2/  
      "urls" : [ ],  
      "freebase" : null,  
      "wikimedia" : "Q25395384",  
    },  
  ],  
}
```

Clone the open source project

The screenshot shows the GitHub repository page for 'espinr / local-cultural-heritage'. The repository is a public template. The 'Code' tab is selected, showing a file list with items like '.github', 'docs', 'quick-app', 'LICENSE', and 'LICENSE-CODE'. A yellow circle highlights the 'Use this template' button. Below the file list, the 'README.md' is visible, titled 'Local Cultural Heritage Quick App'.

espinr / local-cultural-heritage Public template

<> Code Issues Pull requests Discussions Actions Projects Wiki Security Insights Settings

main 3 branches 0 tags Go to file Add file Code Use this template

espinr Free base included 95a1711 2 minutes ago 131 commits

File	Commit	Time
.github	Jekyll enabled	14 days ago
docs	Documented the Matomo analytics field in config	2 days ago
quick-app	Free base included	2 minutes ago
LICENSE	Main readme and license	14 days ago
LICENSE-CODE	Main readme and license	14 days ago

README.md

Local Cultural Heritage Quick App

The Local Cultural Heritage Quick App promotes cultural heritage collections in small and medium cities through open data and crowdsourcing.

It's free, open-source, and collaborative

Any city can implement its own application in a few hours. They only need one or more experts to feed the first version of the database.

Currently, we have the following proofs of concept:

<https://github.com/pbesteu/poi-quick-app>

The screenshot shows the 'Create a new repository from local-cultural-heritage' form. The form includes fields for 'Owner' (espinr), 'Repository name' (comic-book-route), and 'Description' (Quick App for the Brussels Comic Book Route). The 'Public' option is selected for the repository visibility. The 'Include all branches' checkbox is checked. A green button at the bottom says 'Create repository from template'.

Create a new repository from local-cultural-heritage

The new repository will start with the same files and folders as [espinr/local-cultural-heritage](#).

Owner * espinr / Repository name * comic-book-route ✓

Great repository names are short and memorable. Need inspiration? How about [congenial-broccoli?](#)

Description (optional)
Quick App for the Brussels Comic Book Route

☒ Public
Anyone on the internet can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

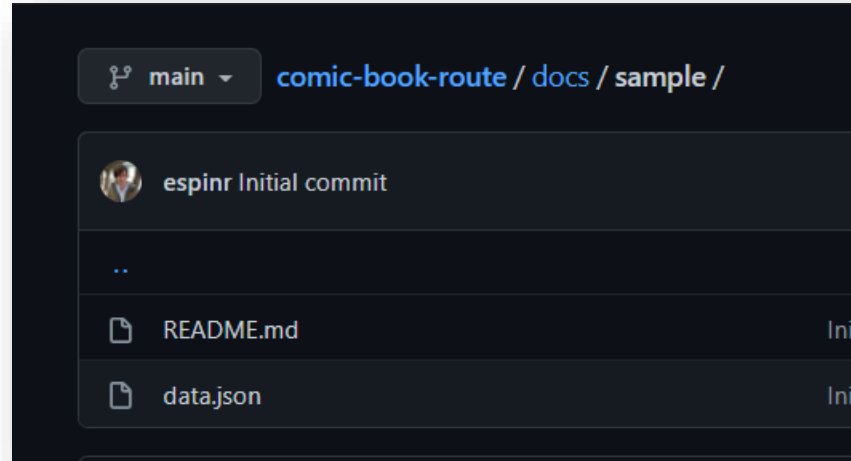
☒ Include all branches
Copy all branches from espinr/local-cultural-heritage and not just main.

📄 You are creating a public repository in your personal account.

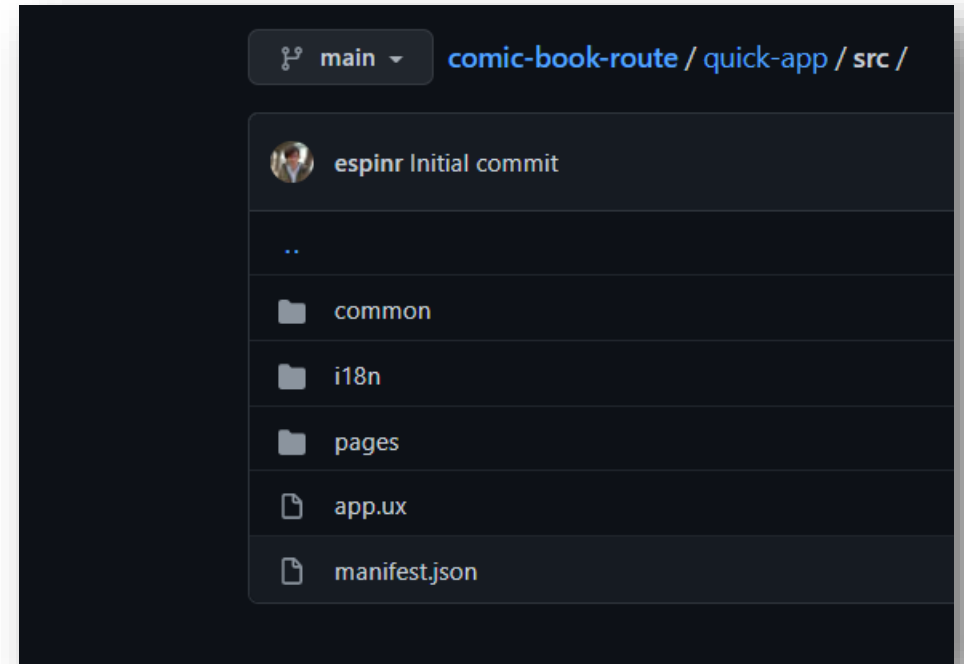
Create repository from template

The code

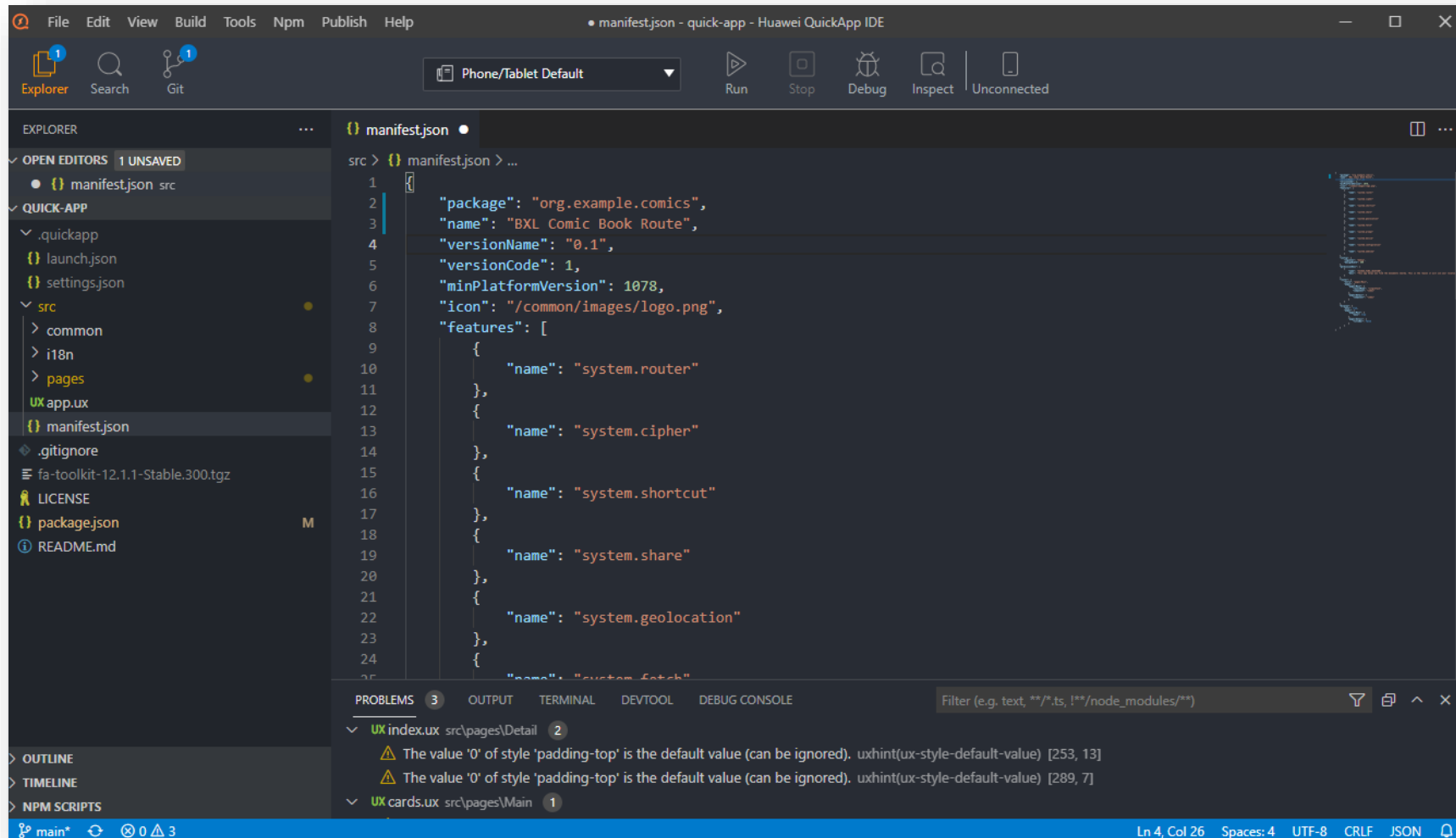
docs/ → the database



quick-app/ → the quick app code

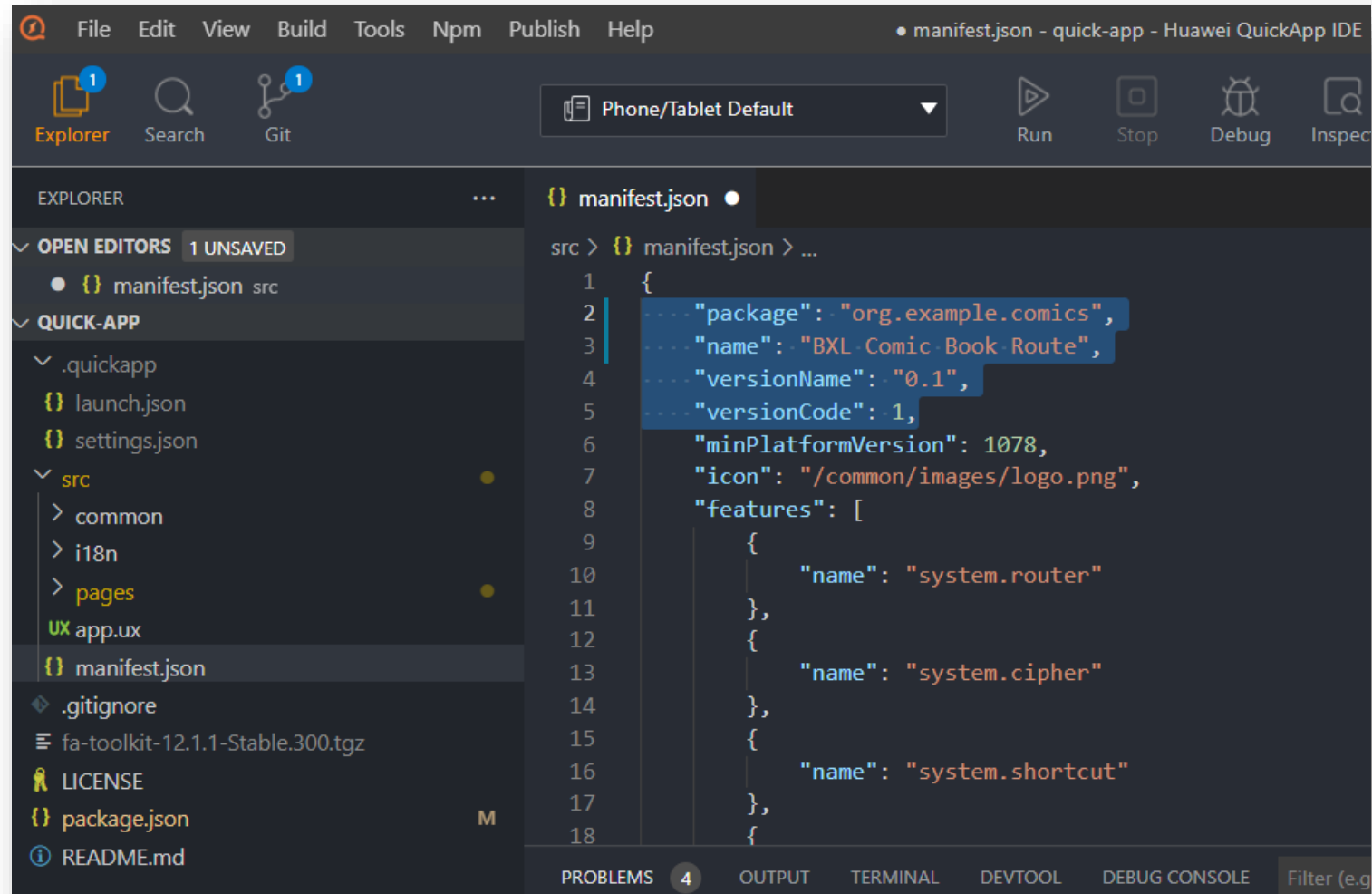


Open the code in the Quick App IDE

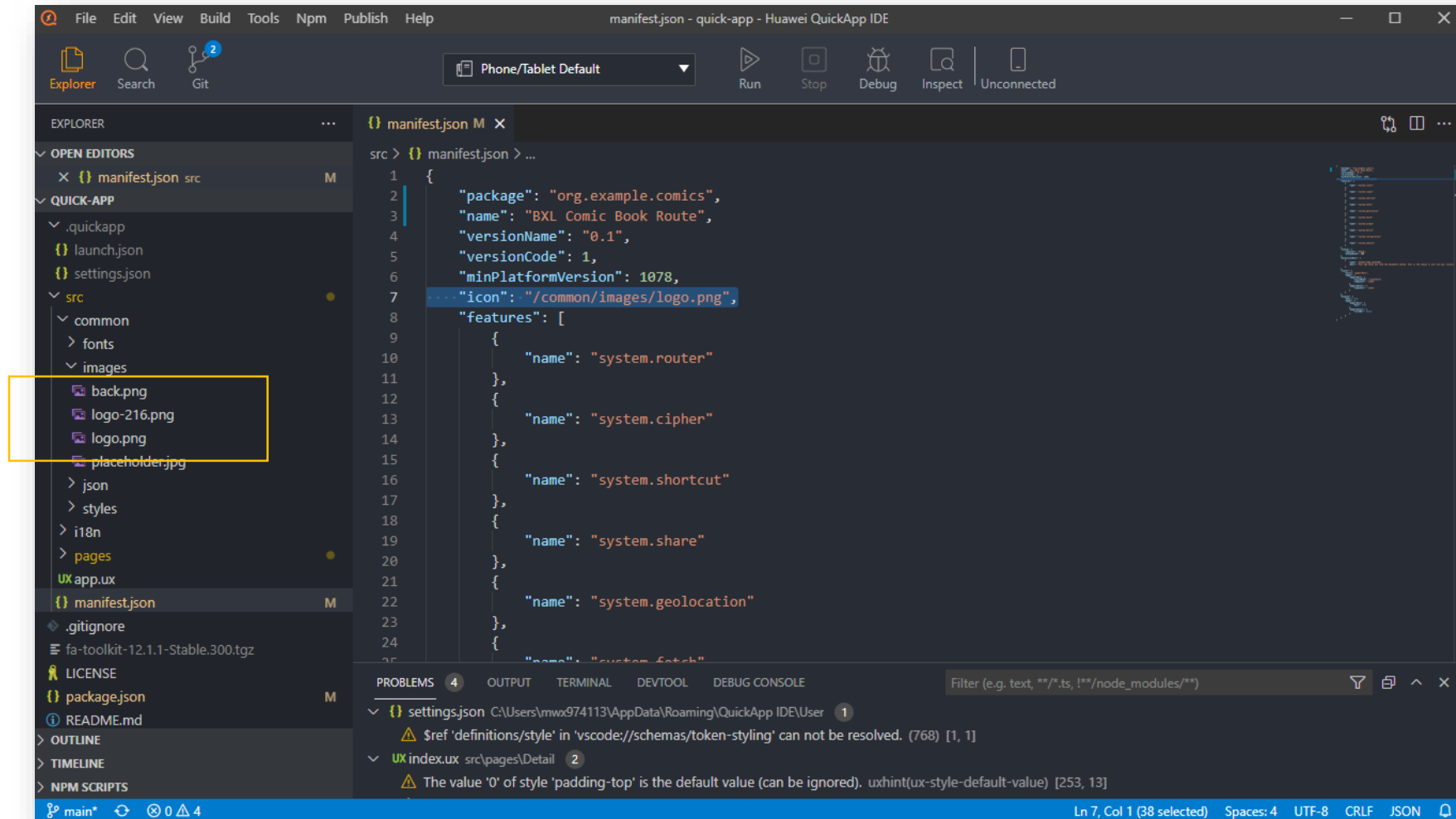


<https://developer.huawei.com/consumer/en/quickApp-ide>

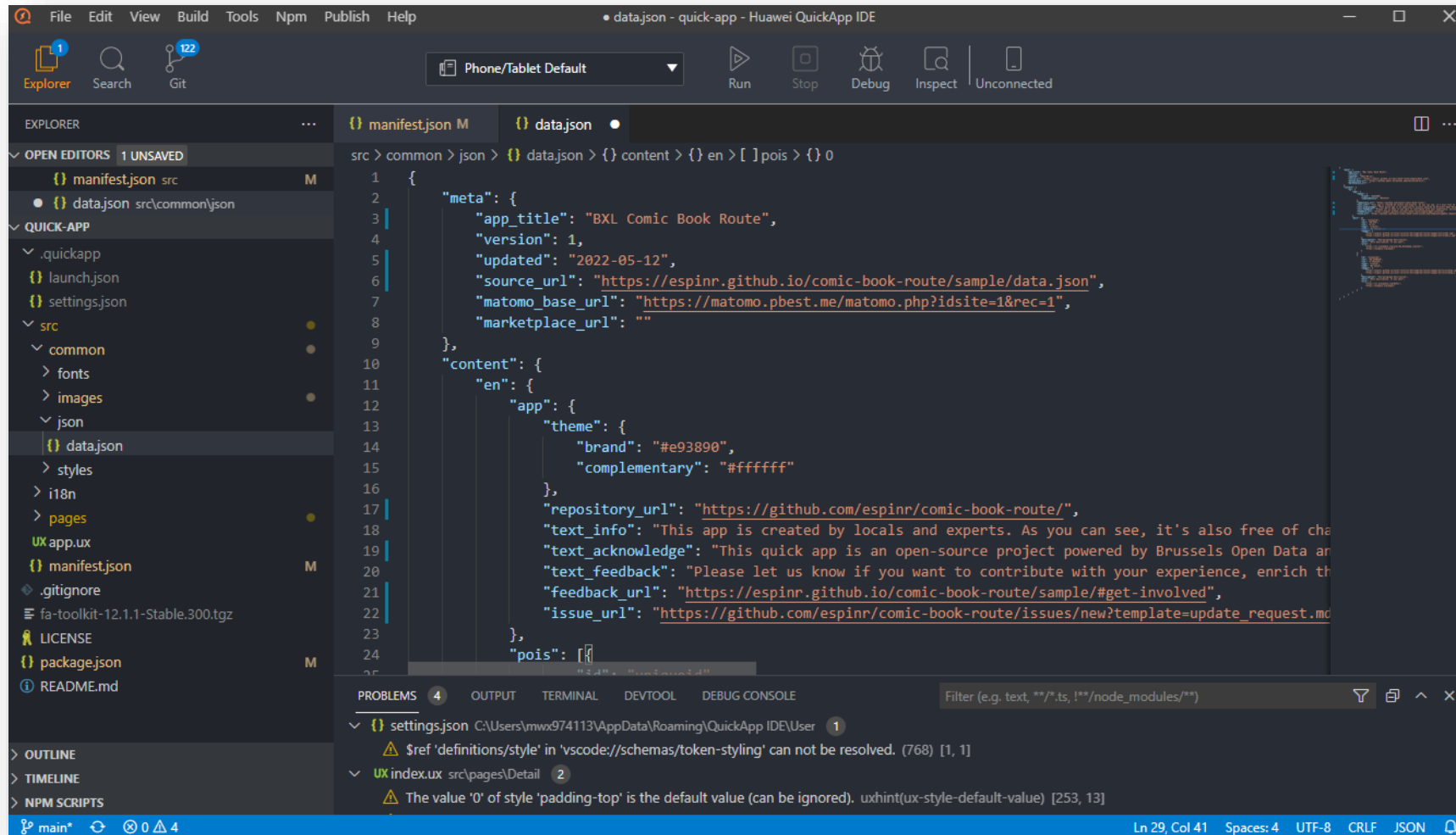
manifest.json with the name and version of your app



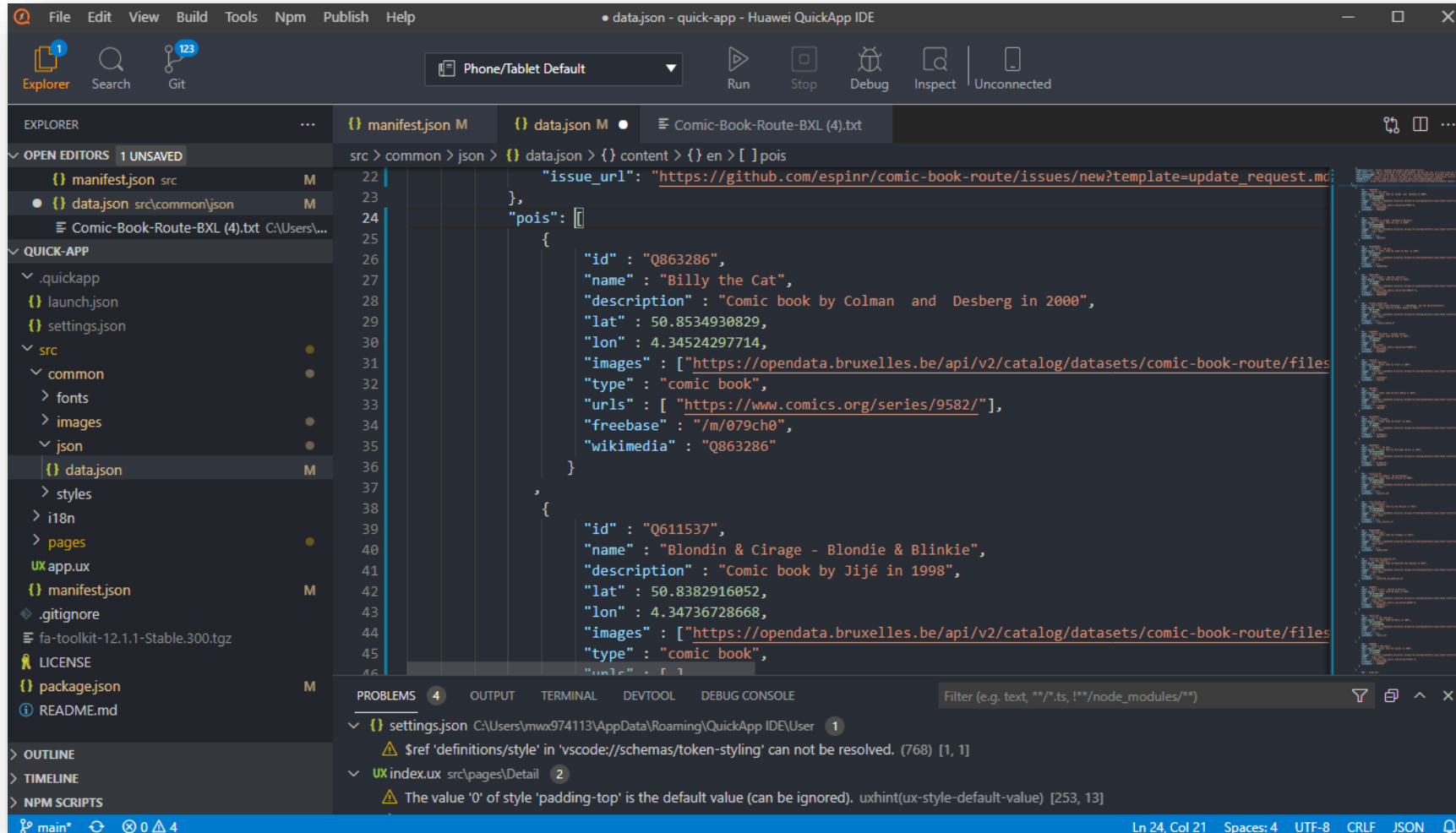
Rewrite the app logo and the icon (also *placeholder.jpg*)



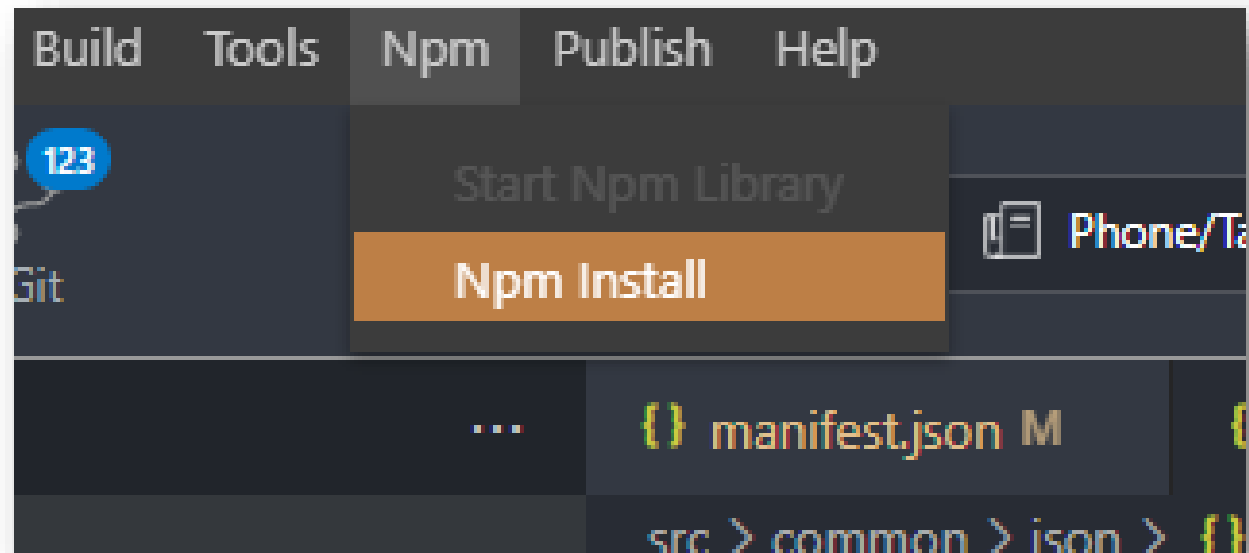
Customize the app with your descriptions and URLs



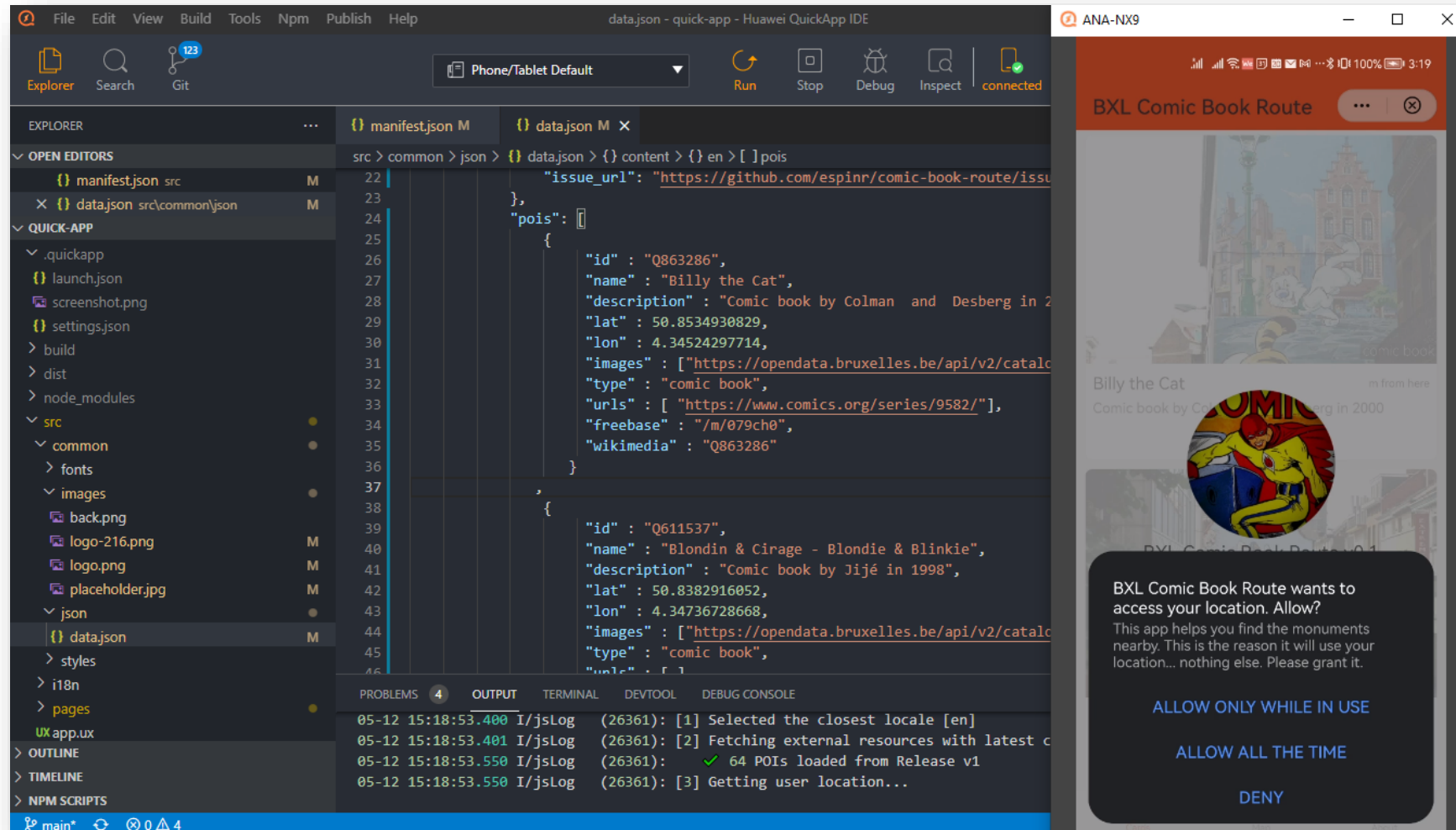
Paste the Points of Interest database you created



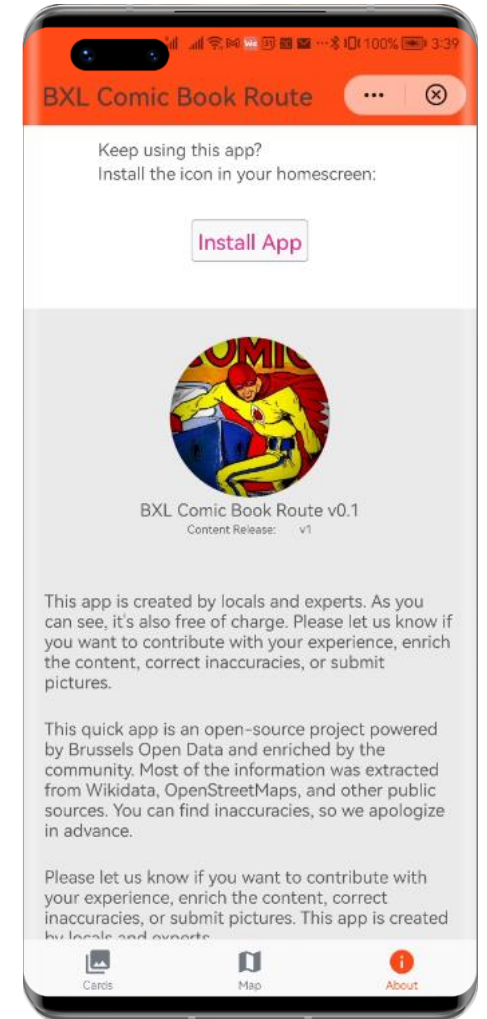
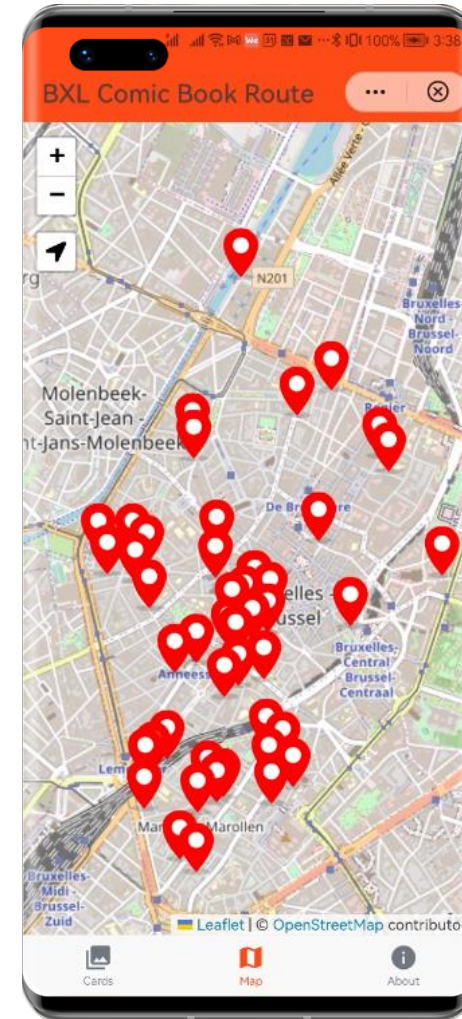
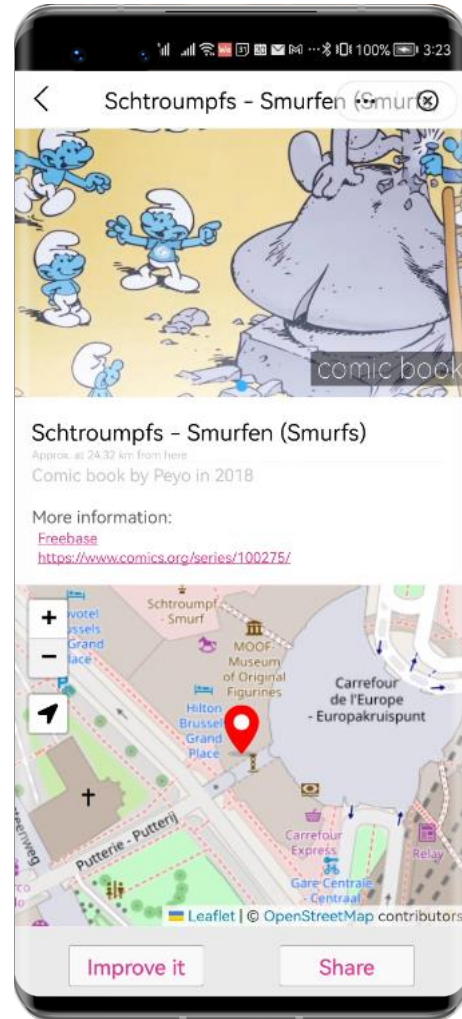
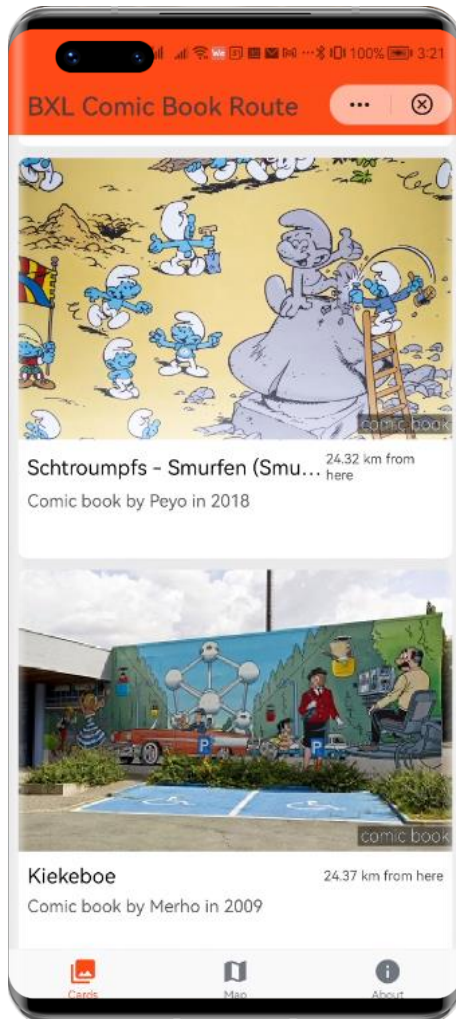
Install the dependencies

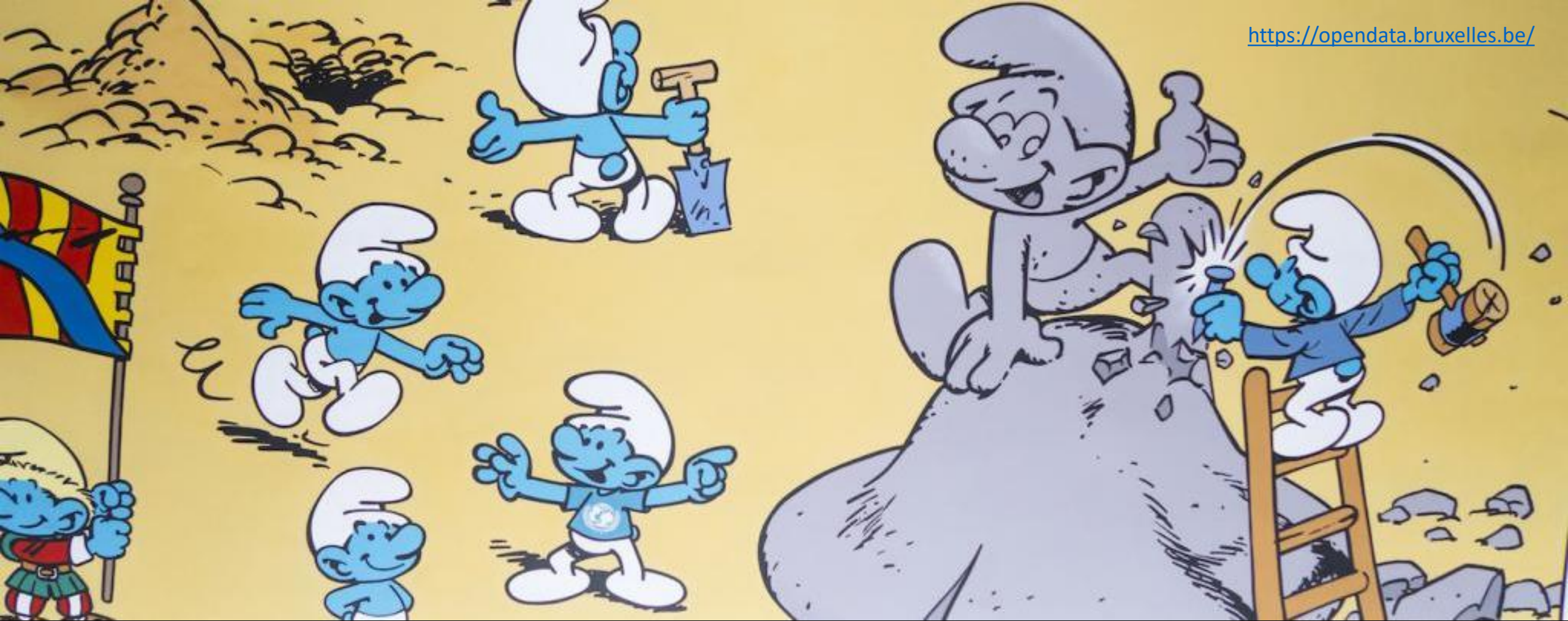


Connect your device and run the first test



Quick App ready in less than one hour





A big thanks to Brussels Open Data

See the quick app: <https://appgallery.huawei.com/app/C106421983>

Reuse the project: <https://github.com/pbesteu/comic-book-route-quick-app>

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