

Les robes palestiniennes traditionnelles

Asil QRAINI, Eirini Rozalia OMPASOGKIE
Langages du Web Sémantique - Iris TARAVELLA
TAL M2, 2023
Université Paris Nanterre



Table des matières

01. **Introduction**
Aperçu

02. **État de l'art**
Objectif du projet et
ressources utilisés

05. **Conclusion**
Difficultés et améliorations

03. **Conception de l'ontologie**
Les classes, les propriétés et
les relations

04. **Requêtes**
SPARQL et DL



Introduction

La broderie

Une forme de travail à l'aiguille qui est pratiquée par les femmes en Palestine depuis des siècles. Il s'agit d'une forme d'art qui a été transmise de génération en génération et qui constitue un aspect important de la culture et de la tradition palestinienne.



1. **Histoire de la broderie palestinienne:** remonte à l'Antiquité, à l'époque des Cananéens. Des premiers exemples de la période romaine. Sous l'Empire ottoman, la broderie palestinienne a atteint son apogée
2. **Techniques:** réalisée à la main à l'aide d'une aiguille et de fil
3. **Importance:** exprimer la créativité et préserver la patrimoine, source de revenus, symbole de résistance

Introduction



If you wear Kuffiyah, you need to know this.
This what Kuffiyah represents for us as
Palestinians.

Olive Leaves



The olive leaf pattern represents
strength, resilience & perseverance.



Fishnet

The fishnet pattern represents
the connection between the
Palestinian sailor & the
Mediterranean Sea.



Bold

This represents the trade routes going
through Palestine, a long and rich
history of merchants, travel, and
cultural exchange.





“ Le thobe historique évoque un idéal de Palestine pure et intacte, avant l'occupation. C'est un symbole de fierté, d'identité et de résistance. C'est un témoignage vivant de notre patrimoine culturel et de notre lutte pour la survie” - Wafa Ghnaim

02.

État de l'art



Raisons pour le choix du projet



Personnelle

Vue personnelle d'une palestinienne qui connaît bien les traditions



Culturelle

Persévérence culturelle Palestinienne,
(appropriation culturelle par la colonisation)



Originale

Idée prototypique et originale

Nos sources



Roman White Dress

Dresses

Roman white dress with regular long sleeves that show floral motifs, also shown underarm and on the sleeve end. Two thick embroidery works are identical on both sides with intense embroidery on the tail. The chest panel embroidery is embroidered with different motifs, where the center of the panel shows a bow topped by two branches of flowers, and under it, there are two squares of embroidery with feathers on the sides. The panel is framed by flowers.

Registration No: 02001300

District: Ramallah (Middle East, Palestine)

Materials: Cloth

Dimensions: Length: 131.0 cm Width: 139.0 cm

Acquisition Date: 1983

Musée Universitaire Birzeit :
<http://museum.birzeit.edu/collecti ons/palestinian-costumes>

Google Arts & Culture :
<https://artsandculture.google.com/story/tiraz-permanent-exhibit-tiraz-widad-kawar-home-for-arab-dress/aQUBtwXxH-DhKQ?hl=en>

Palestinian News & Info Agency - WAFA:
https://info.wafa.ps/ar_page.aspx?id=9011

Images sur le web + connaissance personnelle

Notre base des données

A	B	C	D	E	F	G	H	I						
Thobe	District	stitchName	sleeve	levelEmbroidery	chestPanel	motif	neckShoulder	sleeveCloth						
Al-Jilaya	Hebron (Middle East, I	CrossStitch, SatinStitch	LargeOpening	Intense	Qalayed (necklaces), Floral motifs, Geometrical	Floral motifs, Ge Ottoman striped	Patches of Hirmi							
Malaq (Ikhndari)	Bethlehem (Middle Ea	CouchingTahriyStitch, Cross	LargeOpening	Medium	Malaq of flower pots, Birds, GoldCords, SilverC	Flower pots, Birc Silk patches	Silk patches							
Widowed women Dress	Bi'r as-Sab' (Beer Sh	BanayeqBraidworkStitch, Fea	Slim	Intense	Qalayed (necklaces) motif	CypressTrees, F OrangeHirmiziSi	Linen, Cotton							
Gaza Dress	Gaza (Middle East, Pa	BanayeqBraidworkStitchs	LongPointed	Light	CypressTrees	Bow, CombLike	Rounded V-shap	Two Blue and Pu						
Marriage night Dress	Hiribya, Gaza (Middle	Stripes	Slim	None	Stripes of layered Blue and White cloths	Geometrical mot	None	Stripes of layere						
Heaven and Hell Dress	Nablus, Tulkarim, Tub	Stripes	LargePointed	None	Striped Kashmir with wavy edges.	Geometrical mot	Silk cloth	Silk (Bird's Tong						
Sab'aawi (Beer Seba) Dre	Bi'r as-Sab' (Beer Sh	CrossStitch	LargePointed	Intense	Aqras (geometrical figures)	Aqras (geometri	None	Linen, Cotton						
Black Roman	Ramallah (Middle Ea	CrossStitch, Featherstitch	Slim	Intense	SidePocket	Floral motifs, Ge	Golden Qasab t	HirmiziSilk						
Day Dress	Lydda - Al-Ramla (Mid	CrossStitch, ChainStitch	Slim	Medium	Squared	Mawares, Lines	None	Cotton, Linen						
Dajani Dress	Beit Dajan (Middle Ea	CrossStitch	Slim	Heavy	Square, Tashreefa motif, Opening with a vest sl	OrangeBlossom	Red cloth with a	HirmiziSilk						
Long opening sleeves Dre	Bethlehem (Middle Ea	SatinStitch	LargeOpening	Light	Bow (Al-Anbar chest panel)	Bow, Embroider	Velveteen Russ	None						
Roman White Dress	Ramallah (Middle Ea	CrossStitch, Featherstitch	Slim	Intense	Bow, branches of Flowers	Floral motifs, Ge	None	None						
Ikhndari Dress (Malaq)	AlKhader, Bethlehem (CrossStitch, BlanketStitch	LargePointed	Light	Square, resembles the traditional stitch of Malak	Floral motifs, Ge	Pink cloth, conn	HirmiziSilk						
Ceremonial event dress	Hebron (Middle East, I	CrossStitch, Featherstitch, Sa	Slim	Intense	Bow shaped embroidery, Qalayed (necklaces),	Floral motifs, Ge	Silk patches	Heavy embroide						
wide sleeve dress	Bi'r as-Sab' (Beer Sh	BanayeqBraidworkStitchs	WideOpen	Intense	Geometrical motifs (fans), Colored slot	Geometrical mot	Nishan (emblem	Waves that inclu						
khaddameh dress	Bethlehem (Middle Ea	CrossStitch	Kumm'irdan	Heavy	Geometrical motifs	Floral motifs, Ge	Square	Linen						
Naqab Bedouin	Naqab	RunningStitch, CrossStitch	Slim	Medium	Narrow Red Silk	CypressTrees	Square	Silk, Cotton						
I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
sleeveCloth	tail	frontSide	sidelines(banayeq) backSide	embroiderySha	braidwork	Usage	Materials	materialColors	changeColor	Belt	thobeDesign	buried in	date_made	
Patches of Hirmi	None	Patches of trian	Rings, Al-reesh I	Heavy and relati	Waves and Geo	Al-Nakhl, Al-Ree	OttomanStriped	DarkBlue, Indigc	no	yes	Wide	yes	1903	
Silk patches	None	Striped fabric	Clock, Floral m	None	None	Ceremonies, We	AbuWardaCloth	Stripes of Black,	no	yes	Medium	yes	1890	
Linen, Cotton	One line of Blue	CombLikeTeeth, Cypr	CombLikeTeeth, Cypress	F CypressTrees, F	None	Flowers	Cotton, Linen, O	Indigo, Black	yes	yes	Medium	no	1945	
Two Blue and Pt	None	None	Manajel (thick br	CombLikeTeeth, None	Manajel	Celebrations	Linen, Cotton	Purple, Turquois	no	yes	Wide	Falujah, Sl	1900	
Stripes of layere	Stripes of layere	Stripes of layere	None	V shape	None	Wedding night D	Colored Silk dre	Red, Yellow, Bro	yes	no	Medium	no	1897	
Silk (Bird's Tong	Wavy needle wo	Colorful Silk patc	Colorful Silk patc	Geometrical figu	Wavy needle wo	Ceremonies and	White Cotton wit	WhiteLinen	red, green, brow	no	Medium	no	1873	
Linen, Cotton	Two lines of Blu	Intense Cypress	Atlas, Moons, G	Atlas, Moons, G	Tashreefa with V	Ceremonies and	Linen, Cotton	Black	no	yes	Wide	Falujah, Sl	1896	
HirmiziSilk	None	Traditional Maw	Manajel (thick br	Embroidered Os	Bows	Mawares, Ostric	Cotton, Linen, S	Black, Orange	no	yes	Medium	no	1913	
Cotton, Linen	Striped embroid	Mawares, Geom	Mawares	Special needlwe	Rectangular sha	Stripes of Mawa	Linen, Cotton	WhiteLinen	no	yes	Medium	no	1893	
HirmiziSilk	Striped embroid	Horizontal Lulu	l Soft Floral motif	Flowers from tw	Flowers on both	Lulu	Linen, Silk, Cott	Black, Orange	no	yes	Medium	no	1869	
None	Striped embroid	Striped fabric	Floral motifs, Ge	Four thick braidy	Floral motifs, Ge	Al-Qasab	Tifta(AI-Alam), V	Black, Purple, O	no	yes	Medium	no	1903	
None	None	Two squares of e	None	Floral motifs	Different motifs	None	HandLoomedLin	Natural light-colo	yes	yes	Wide	no	1880	
HirmiziSilk	None	Shows the origin	Silk cloth connec	Four horizontal s	None	Celebrations, Ev	Ikhndari Cloth wit	Green, Burgund	no	yes	Wide	no	1847	
Heavy embroide	Striped embroid	Patches of Yellow	Floral motifs, f	Floral motifs, bot	Bows	None	Silk cloth by spe	DarkBlue, Indigc	no	yes	Slim	no	1933	
Waves that inclu	Two Blue Lines	CypressTrees br	BanayeqBraidw	Pasha's Tent mc	None	Celebration dres	Linen, Silk, Cott	Black, Yellow	yes	yes	Wide	Falujah, Sl	1888	
Linen	Striped embroid	Floral motifs, Ge	Floral motifs, Ge	None	None	DailyUse	PlainLinen	Black	no	yes	Slim	no	1925	
Silk, Cotton	One line of Blue	Big patches of e	Manajel (thick br	CombLikeTeeth, None	Manajel	DailyUse	Linen, Cotton, S	Indigo	yes	yes	Wide	Falujah	no	

Travaux similaire

Ontologie: “Semantic Clothing”

<https://github.com/riquack/semcloth/tree/master/ontology>

```
<!-- http://www.semanticweb.org/ontologies/2015/02/semcloth.owl#genreHasSuitableClothingForDressing -->

<owl:ObjectProperty rdf:about="#genreHasSuitableClothingForDressing">
  <rdfs:label xml:lang="en">Genre has suitable clothing for dressing</rdfs:label>
  <rdfs:comment xml:lang="en">This property specifies the clothing item(s) that is/are suitable for a particular genre.</rdfs:comment>
  <rdfs:range rdf:resource="#Clothing"/>
  <rdfs:domain rdf:resource="#Genre"/>
</owl:ObjectProperty>

<!-- http://www.semanticweb.org/ontologies/2015/02/semcloth.owl#hasColour -->

<owl:ObjectProperty rdf:about="#hasColour">
  <rdfs:label xml:lang="en">Has colour</rdfs:label>
  <rdfs:comment xml:lang="en">This property specifies the color a particular clothing item has.</rdfs:comment>
  <rdfs:range rdf:resource="#Colour"/>
  <rdfs:domain rdf:resource="#Clothing"/>
</owl:ObjectProperty>

<!-- http://www.semanticweb.org/ontologies/2015/02/semcloth.owl#hasSize -->

<owl:ObjectProperty rdf:about="#hasSize">
  <rdf:type rdf:resource="#owl;FunctionalProperty"/>
  <rdfs:label xml:lang="en">Has size</rdfs:label>
  <rdfs:comment xml:lang="en">This property specifies the size of a particular clothing item.</rdfs:comment>
  <rdfs:domain rdf:resource="#Clothing"/>
  <rdfs:range rdf:resource="#Clothing_sizes"/>
</owl:ObjectProperty>
```

03.

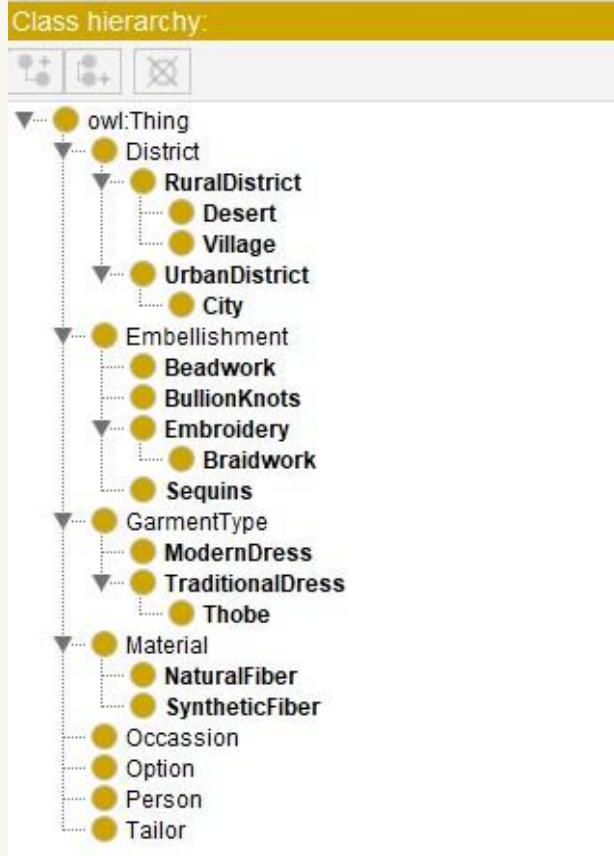
Conception de l'ontologie



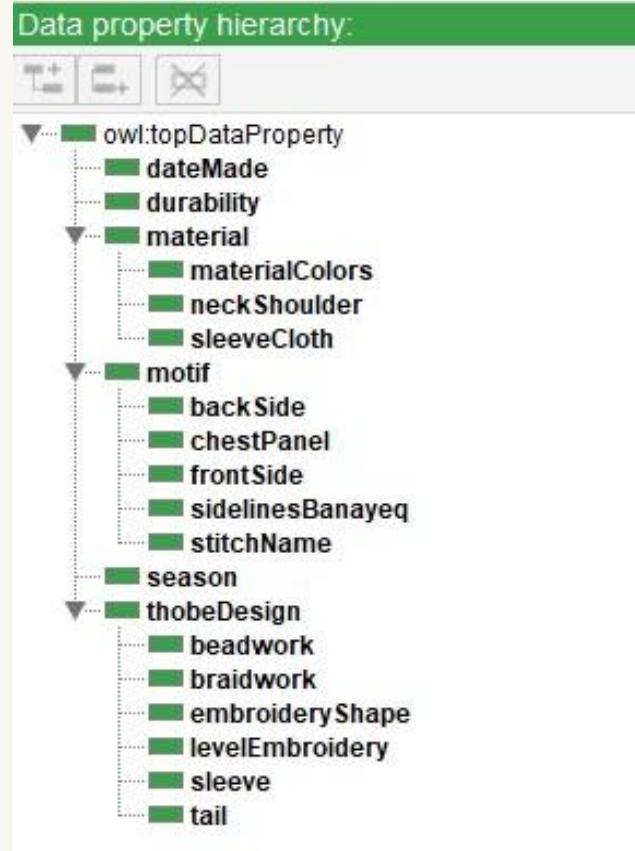
Partie I

Protégé

Classes

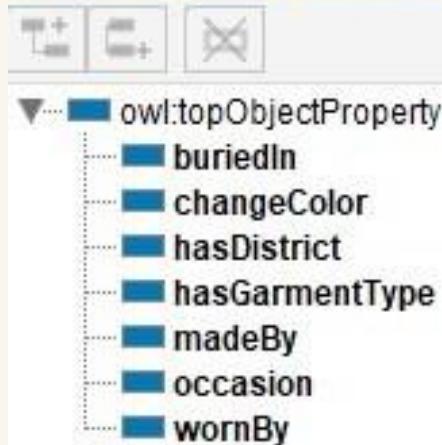


Data Properties



Object Properties

Object property hierarchy:



Restrictions :

- hasGarmentType **only** GarmentType
- madeBy **min 1** Tailor
- occasion **min 1** Occassion
- wornBy **only** Person

Individus

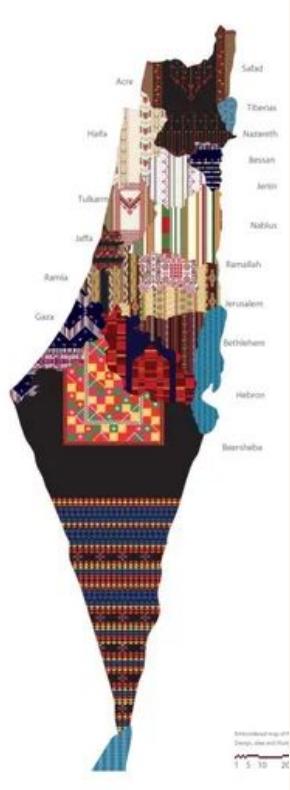
Individuals: Hiribya



- Al-Anbar
- Al-Jilaya
- AlKhader
- AlLydd
- AlRamla
- AnNaqab
- BeerSebaDress
- BeerSheba
- BeitDajan
- Belt
- Bethlehem
- Bi'rAas Sab'
- BlackRoman
- Celebrations
- CeremonialEventDress
- Ceremonies
- DailyUse
- Dajani_Dress
- DayDress
- Female
- Gaza
- GazaDress
- Hatta
- HeadScarf
- HeavenAndHellDress
- Hebron

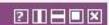
- Hiribya
- Ikhdari
- Keffiyah
- KhaddamehDress
- LongOpeningSleevesDress
- Lydda-Al-Ramla
- Malaq
- Male
- MarriageNightDress
- Nablus
- NaqabBedouin
- No
- Ramallah
- RomanWhiteDress
- Sab'aawiDress
- Tarbouch
- Tubas
- Tulkarim
- Unknown
- UnmarriedFemale
- WeddingNight
- Weddings
- WideSleeveDress
- WidowedFemale
- WidowedWomenDress
- Yes

Carte des vêtements palestiniens traditionnels



Property Assertions

Description: Al-Jilaya



Types +

- Braidwork
- Embroidery
- NaturalFiber
- Thobe



Same Individual As +

Different Individuals +

Property assertions: Al-Jilaya



Object property assertions +

- wornBy Female
- madeBy Unknown
- hasGarmentType Belt
- buriedIn Yes
- occasion Weddings
- occasion Ceremonies
- changeColor No
- hasDistrict Hebron



Data property assertions +

- embroideryShape "Waves and Geometrical figures"^^xsd:string
- thobeDesign "Wide"^^xsd:string
- stitchName "Cross Stitch, Satin Stitch"^^xsd:string
- materialColors "DarkBlue, Indigo"^^xsd:string
- neckShoulder "Ottoman striped cloth"^^xsd:string
- material "Ottoman Stripedcloth, Silk, Linen"
- backSide "Heavy and relatively long embroidery work, topped with Al-Nakhl and Al-Reesh braidwork."^^xsd:string
- tail "None"^^xsd:string
- sleeve "LargeOpening"^^xsd:string
- dateMade 1903
- braidwork "Al-Nakhl, Al-Reesh"^^xsd:string
- levelEmbroidery "Intense"
- motif "Floral motifs, Geometrical motifs, Tallis"^^xsd:string
- sidelinesBanayaeq "Rings, Al-reesh beadwork, Floral motifs, Geometrical motifs"^^xsd:string
- chestPanel "Qalayed (necklaces), Floral motifs, Geometrical motifs."^^xsd:string
- frontSide "Patches of triangular shapes of Silk with embroidery of Flowers."^^xsd:string
- sleeveCloth "Patches of HirmiziSilk"^^xsd:string



Partie II

OWL

Structure

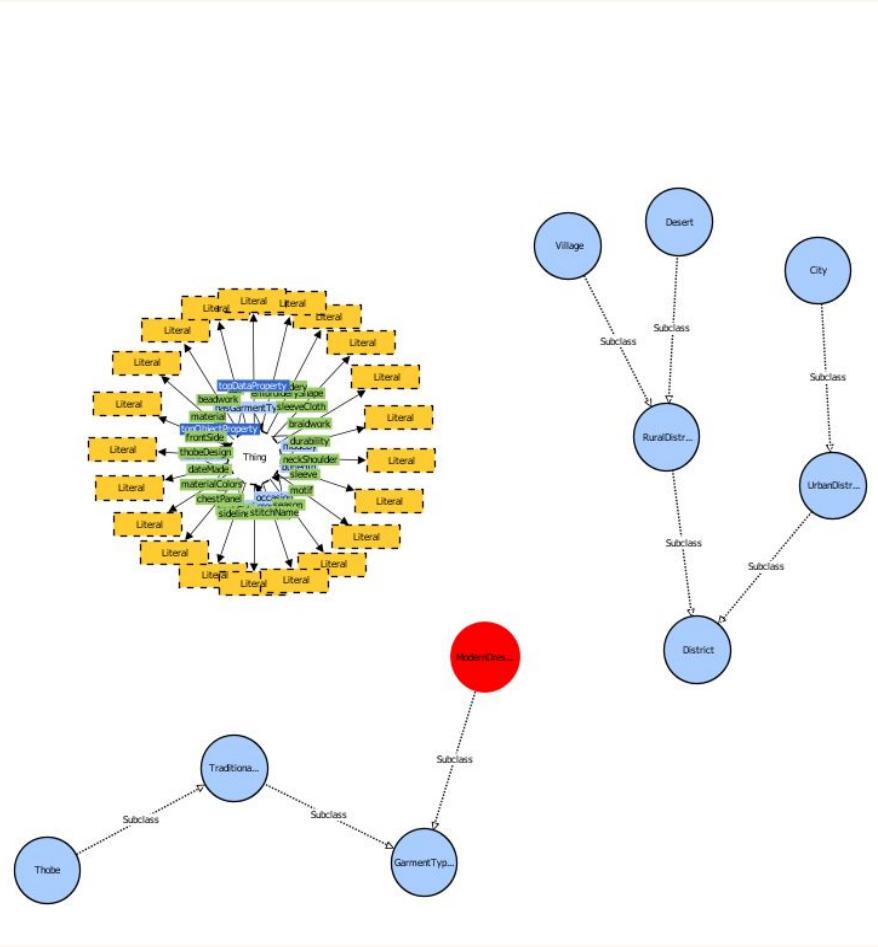
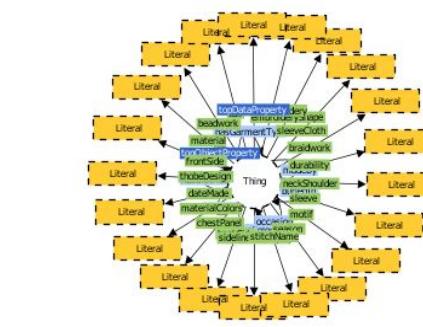
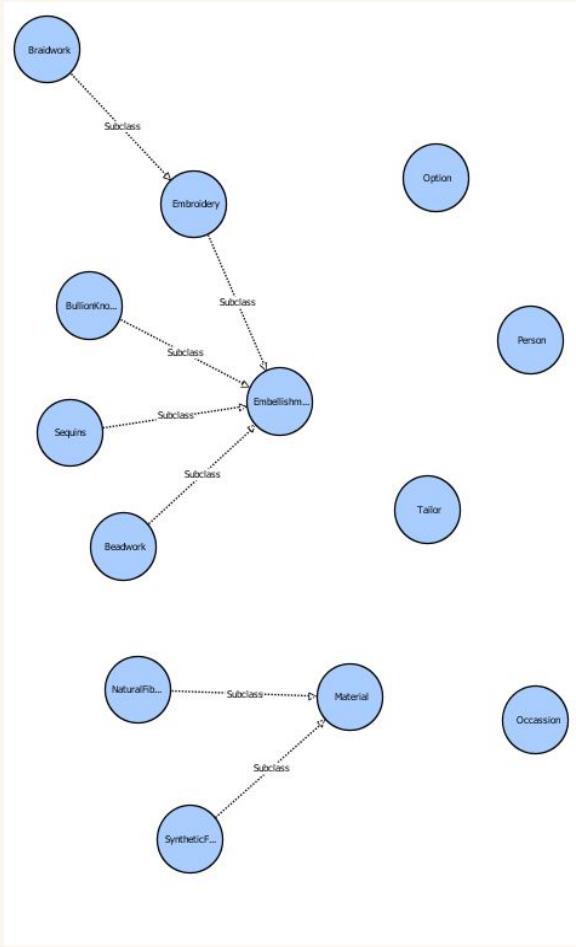
```
<!-- http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Al-Jilaya -->

<owl:NamedIndividual rdf:about="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Al-Jilaya">
  <rdf:type rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Braidwork"/>
  <rdf:type rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Embroidery"/>
  <rdf:type rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#NaturalFiber"/>
  <rdf:type rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Thobe"/>
  <buriedIn rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Yes"/>
  <changeColor rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#No"/>
  <hasDistrict rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Hebron"/>
  <hasGarmentType rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Belt"/>
  <madeBy rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Unknown"/>
  <occasion rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Ceremonies"/>
  <occasion rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Weddings"/>
  <wornBy rdf:resource="http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Female"/>
  <backSide rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Heavy and relatively long embroidery work, topped with Al-Nakhl and Al-Reesh braidwork.</backSide>
  <braidwork rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Al-Nakhl, Al-Reesh</braidwork>
  <chestPanel rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Qalayed (necklaces), Floral motifs, Geometrical motifs.</chestPanel>
  <dateMade rdf:datatype="http://www.w3.org/2001/XMLSchema#integer">1903</dateMade>
  <embroideryShape rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Waves and Geometrical figures</embroideryShape>
  <frontSide rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Patches of triangular shapes of Silk with embroidery of Flowers.</frontSide>
  <level1Embroidery>Intense</level1Embroidery>
  <material>Ottoman Striped cloth, Silk, Linen</material>
  <materialColors rdf:datatype="http://www.w3.org/2001/XMLSchema#string">DarkBlue, Indigo</materialColors>
  <motif rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Floral motifs, Geometrical motifs, Tallis</motif>
  <neckShoulder rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Ottoman striped cloth</neckShoulder>
  <sidelinesBanayeq rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Rings, Al-reesh beadwork, Floral motifs, Geometrical motifs</sidelinesBanayeq>
  <sleeve rdf:datatype="http://www.w3.org/2001/XMLSchema#string">LargeOpening</sleeve>
  <sleeveCloth rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Patches of Mirmizi Silk</sleeveCloth>
  <stitchName rdf:datatype="http://www.w3.org/2001/XMLSchema#string">CrossStitch, SatinStitch</stitchName>
  <tail rdf:datatype="http://www.w3.org/2001/XMLSchema#string">None</tail>
  <thobeDesign rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Wide</thobeDesign>
</owl:NamedIndividual>
```

Partie III

VOWL

Graphe



04.

Reqêtes



Partie I



SPARQL

1. Retrieve all individuals that are of type "Thobe" and have a "hasDistrict" property of "Nablus":

SPARQL query:

```
SELECT ?individual
WHERE {
?individual a <http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Thobe> .
?individual <http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#hasDistrict>
<http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Nablus> .
}
```

	individual
HeavenAndHellDress	

2. Retrieve all individuals that are of type "Thobe" and have a "material" property containing the word "Silk":

SPARQL query:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX : <http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#>
SELECT ?individual WHERE {
  ?individual a :Thobe .
  ?individual :material ?material .
  FILTER (regex(?material, "Silk", "I"))
}
```

individual

BlackRoman
WideSleeveDress
NaqabBedouin
CeremonialEventDress
Dajani_Dress
WidowedWomenDress
Malaq
Al-Jilaya
MarriageNightDress

3. Retrieve all individuals that are of type "Thobe" and have a "wornBy" property of "Female" and an "occasion" property of "Weddings":

SPARQL query:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX myOnto: <http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#>
SELECT ?thobe
WHERE {
  ?thobe rdf:type myOnto:Thobe;
          myOnto:wornBy myOnto:Female;
          myOnto:occasion myOnto:Weddings.
}
```

thobe

HeavenAndHellDress
Sab'aawiDress
Al-Jilaya

4. Retrieve all individuals that are of type "Thobe" and have a "materialColors" property containing the word "red" or "blue":

SPARQL query:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
SELECT ?thobe
WHERE {
?thobe a <http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#Thobe> .
?thobe <http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#materialColors> ?materialColors .
FILTER (regex(?materialColors, "red|blue", "i"))
}
```

thobe

LongOpeningSleevesDress
CeremonialEventDress
Al-Jilaya
Malaq
MarriageNightDress
RomanWhiteDress

5. Retrieve all individuals that are of type "Thobe" and have a "dateMade" property before the year 1920:

SPARQL query:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX : <http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#>
SELECT ?thobe
WHERE {
  ?thobe rdf:type :Thobe .
  ?thobe :dateMade ?dateMade .
  FILTER (?dateMade < "1920"^^xsd:integer)
}
```

thobe
Ikhdari
Dajani_Dress
RomanWhiteDress
BlackRoman
DayDress
Al-Jilaya
GazaDress
WideSleeveDress
HeavenAndHellDress
LongOpeningSleevesDress
Sab'aawiDress
Malaq
MarriageNightDress

6. Retrieve the names of all individuals that are of type "Thobe" and have a "hasDistrict" property of "Bethlehem" or "Ramallah" and a "wornBy" property of "Female" and the "occassion" of "DailyUse" :

SPARQL query:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX palestinian_dresses: <http://www.semanticweb.org/asilq/ontologies/2023/0/palestinian_dresses#>
SELECT ?Individual
WHERE {
  ?Individual rdf:type palestinian_dresses:Thobe .
  ?Individual palestinian_dresses:hasDistrict ?District .
  ?Individual palestinian_dresses:wornBy palestinian_dresses:Female .
  ?Individual palestinian_dresses:occasion palestinian_dresses:DailyUse .
  FILTER(?District = palestinian_dresses:Bethlehem || ?District = palestinian_dresses:Ramallah)
}
```

Individual

LongOpeningSleevesDress
KhaddamehDress
RomanWhiteDress

Partie II

DL

7. Find all individuals that are of type "Thobe" and have a "madeBy" property of "Unknown" and a "buriedIn" property of "No":

Class hierarchy DL query

Asserted

Query (class expression)

(Thobe and (madeBy value Unknown) and (buriedIn value No))

Execute Add to ontology

Query results

Instances (17 of 17)

- Al-Anbar
- BeerSebaDress
- BlackRoman
- CeremonialEventDress
- Dajani_Dress
- DayDress
- GazaDress
- HeavenAndHellDress
- Ikhdari
- KhaddamehDress
- LongOpeningSleevesDress
- Malaq
- MarriageNightDress
- NaqabBedouin
- RomanWhiteDress
- Sab'aawiDress
- WidowedWomenDress

Query for

Direct superclasses

Superclasses

Equivalent classes

Direct subclasses

Subclasses

Instances

Result filters

Name contains

Display owl:Thing
(in superclass results)

Display owl:Nothing
(in subclass results)

Reasoner active Show Inferences

8. Find all individuals that are of type "TraditionalDress" and have a "wornBy" property of "Male" and a "changeColor" property of "Yes":

Class hierarchy: DL query

Asserted DL query

Query (class expression)
TraditionalDress and (wornBy value Male) and (changeColor value Yes)

Execute Add to ontology

Query results

Instances (2 of 2)

- Hatta
- Keffiyah

Query for

- Direct superclasses
- Superclasses
- Equivalent classes
- Direct subclasses
- Subclasses
- Instances

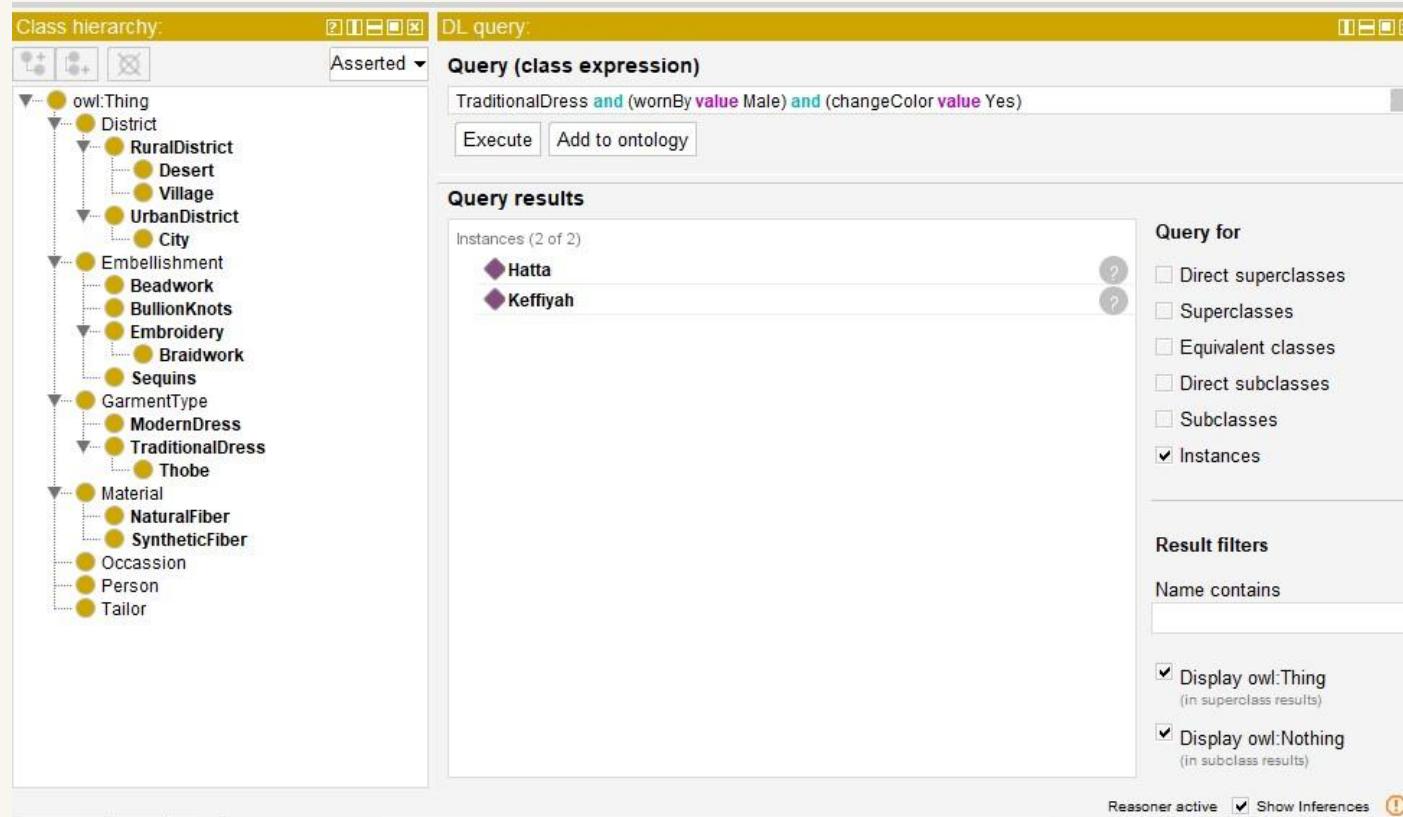
Result filters

Name contains

Display owl:Thing
(in superclass results)

Display owl:Nothing
(in subclass results)

Reasoner active Show Inferences



9. Find all individuals that are of type "Thobe" and have a "wornBy" property of "Female" and an "occassion" property of "WeddingNight":

Class hierarchy: OWL DL Asserted DL query

Query (class expression)
Thobe and (wornBy value Female) and (occasion value WeddingNight)
Execute Add to ontology

Query results
Instances (1 of 1)
MarriageNightDress

Query for
 Direct superclasses
 Superclasses
 Equivalent classes
 Direct subclasses
 Subclasses
 Instances

Result filters
Name contains
 Display owl:Thing
(in superclass results)
 Display owl:Nothing
(in subclass results)

Reasoner active Show Inferences ?

10. Find all individuals that are of type "Thobe" and have a "wornBy" property of "Female" and an "occassion" property of "DailyUse" and a "hasGarmentType" property of "Belt:

Class hierarchy DL query: Asserted

Query (class expression)
Thobe and (wornBy value Female) and (occassion value DailyUse) and (hasGarmentType value Belt)

Execute Add to ontology

Query results

Instances (6 of 6)

- Al-Anbar
- DayDress
- KhaddamehDress
- LongOpeningSleevesDress
- NaqabBedouin
- RomanWhiteDress

Query for

- Direct superclasses
- Superclasses
- Equivalent classes
- Direct subclasses
- Subclasses
- Instances

Result filters

Name contains

Display owl:Thing
(in superclass results)

Display owl:Nothing
(in subclass results)

Reasoner active Show Inferences 



Difficultés

- L'accès à l'information
- La cohérence d'information
- Choix des éléments à traiter
- Restrictions



Améliorations

- Trouver madeBy, Tailor
- Preciser la saison
- Détails motifs: beadwork, knots, sequins
- Vêtements des hommes
- Plus de restrictions

Utilisation



Chercheurs



Étudiants



Créateurs de
mode

05.

Conclusion.



Merci pour votre attention !

Avez-vous des questions ?



شکراً لحسن
استماعكم!

