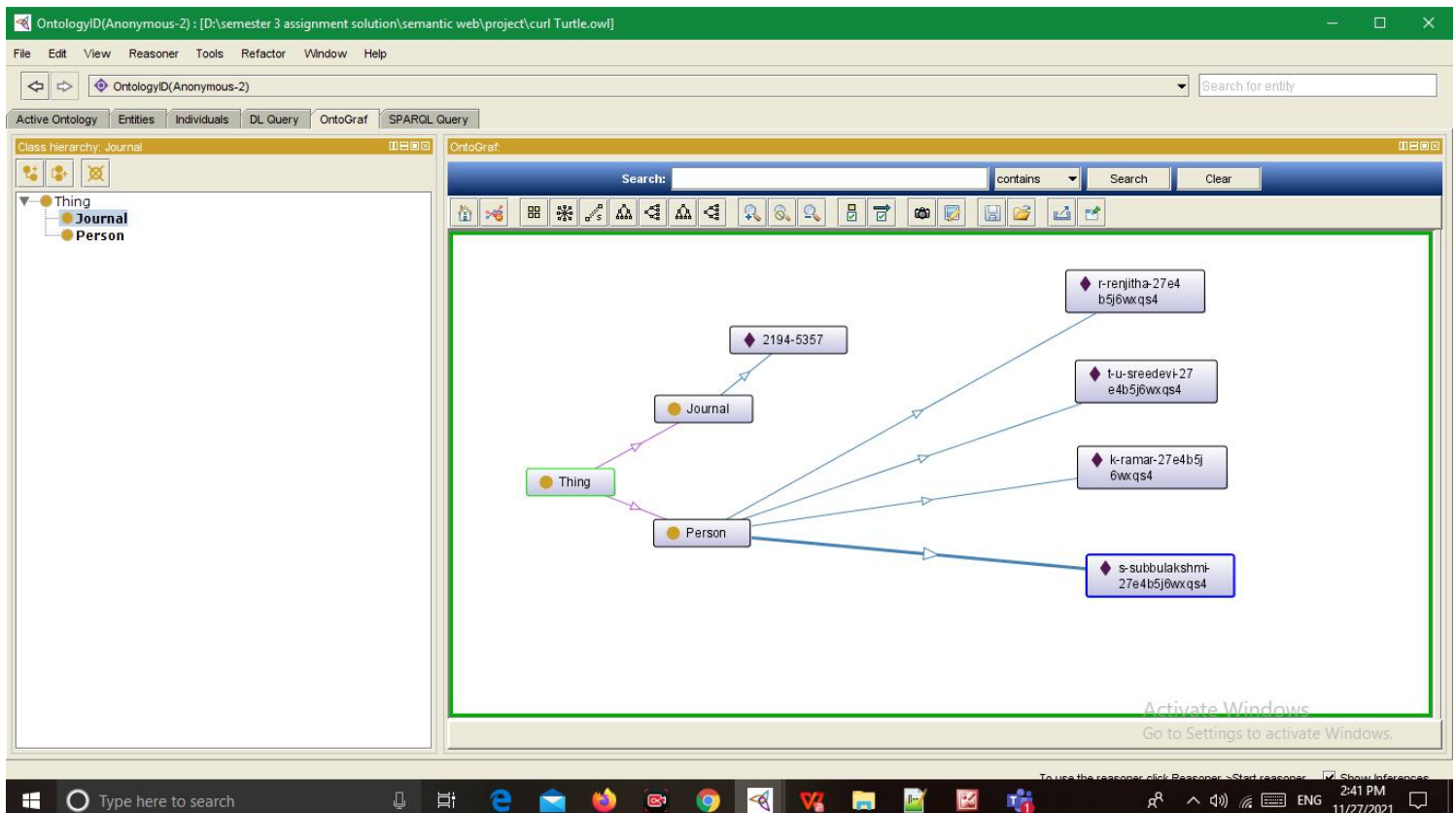
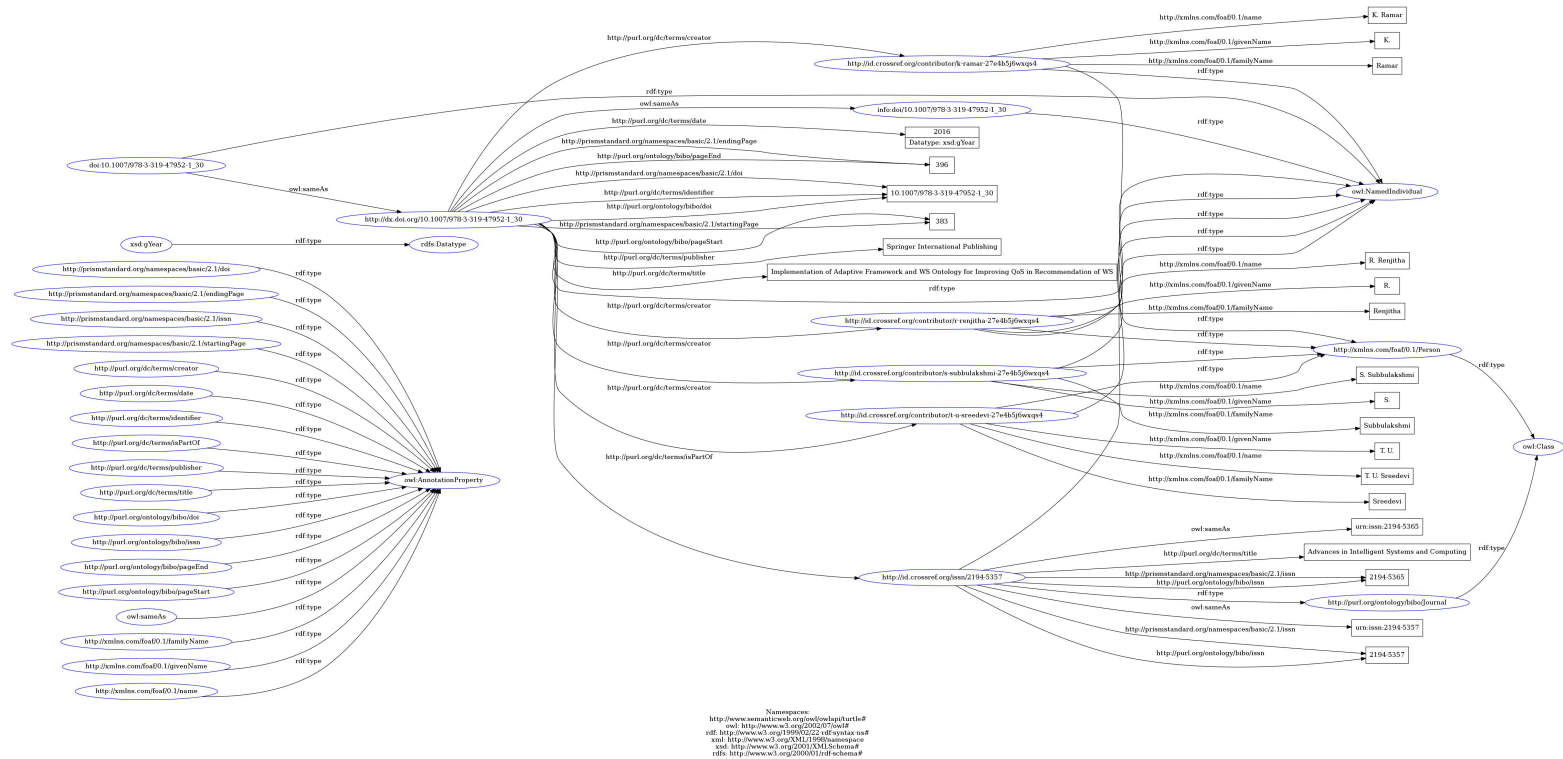
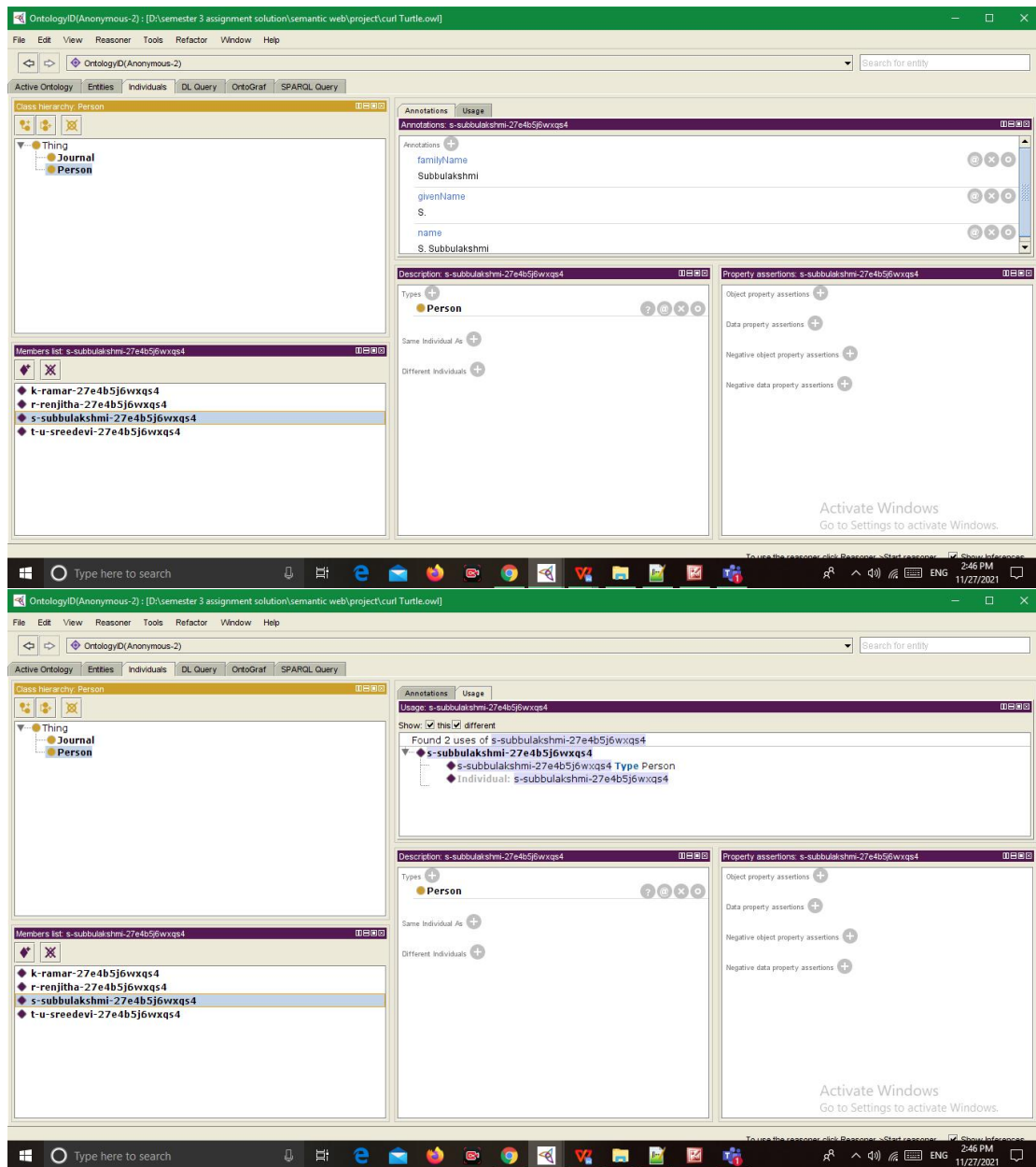


PRABAL GHOSH

ROLL- AM.SC.P2CSC20040

## SEMANTIC WEB PROJECT





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 xml: <http://www.w3.org/2001/XMLSchema#>  
 prefix : <http://www.semanticweb.org/owl/owlapi/turtle#>

1)

```
SELECT ?x ?y ?z
  WHERE { ?x ?y ?z . }
```

2)

```
SELECT distinct ?x
  WHERE { ?x rdf:type rdfs:Datatype . }
```

3)

```
SELECT distinct ?x
WHERE { ?x rdf:type owl:Class .}
```

4)

```
SELECT distinct ?x
WHERE { ?x rdf:type owl:NamedIndividual .}
```

5)

```
SELECT distinct ?x
WHERE { ?x rdf:type owl:NamedIndividual ,<http://purl.org/ontology/bibo/Journal>.}
```

6)

```
SELECT distinct ?x
WHERE { ?x rdf:type owl:NamedIndividual ,<http://xmlns.com/foaf/0.1/Person>.}
```

7)

```
SELECT distinct ?x ?name ?familyName ?givenName
WHERE { ?x rdf:type owl:NamedIndividual ,<http://xmlns.com/foaf/0.1/Person>;
      <http://xmlns.com/foaf/0.1/name> ?name;

      <http://xmlns.com/foaf/0.1/familyName> ?familyName ;

      <http://xmlns.com/foaf/0.1/givenName> ?givenName .

}
```

x	name	familyName	givenName
s-subbulakshmi-27e4b5j6wxqs4	"S. Subbulakshmi"@	"Subbulakshmi"@	"S."@
k-ramar-27e4b5j6wxqs4	"K. Ramar"@	"Ramar"@	"K."@
t-u-sreedevi-27e4b5j6wxqs4	"T. U. Sreedevi"@	"Sreedevi"@	"T. U."@
r-renjitha-27e4b5j6wxqs4	"R. Renjitha"@	"Renjitha"@	"R."@

8)

```
SELECT distinct ?x ?issn ?s ?title
WHERE {?x rdf:type <http://purl.org/ontology/bibo/Journal> ,
      owl:NamedIndividual ;
      <http://prismstandard.org/namespaces/basic/2.1/issn> ?issn ;
      owl:sameAs ?s ;
      <http://purl.org/dc/terms/title> ?title ;

}
```

x	issn	s	title
2194-5357	"2194-5357"@	"urn:issn:2194-5357"@	"Advances in Intelligent Systems and Computing"@
2194-5357	"2194-5357"@	"urn:issn:2194-5365"@	"Advances in Intelligent Systems and Computing"@
2194-5357	"2194-5365"@	"urn:issn:2194-5357"@	"Advances in Intelligent Systems and Computing"@
2194-5357	"2194-5365"@	"urn:issn:2194-5365"@	"Advances in Intelligent Systems and Computing"@

9)

```
SELECT distinct ?x ?issn ?s ?title ?error
WHERE {?x rdf:type <http://purl.org/ontology/bibo/Journal> ,
      owl:NamedIndividual ;
      <http://prismstandard.org/namespaces/basic/2.1/issn> ?issn ;
      owl:sameAs ?s ;
      <http://purl.org/dc/terms/title> ?title ;
      <http://purl.org/ontology/bibo/issn> ?error
      }
```

x	issn	s	title	error
2194-5357	"2194-5357"@	"urn:issn:2194-5357"@	"Advances in Intelligent Systems and Com"	"2194-5365"@
2194-5357	"2194-5357"@	"urn:issn:2194-5365"@	"Advances in Intelligent Systems and Com"	"2194-5365"@
2194-5357	"2194-5357"@	"urn:issn:2194-5357"@	"Advances in Intelligent Systems and Com"	"2194-5357"@
2194-5357	"2194-5357"@	"urn:issn:2194-5365"@	"Advances in Intelligent Systems and Com"	"2194-5357"@
2194-5357	"2194-5365"@	"urn:issn:2194-5357"@	"Advances in Intelligent Systems and Com"	"2194-5365"@
2194-5357	"2194-5365"@	"urn:issn:2194-5365"@	"Advances in Intelligent Systems and Com"	"2194-5365"@
2194-5357	"2194-5365"@	"urn:issn:2194-5357"@	"Advances in Intelligent Systems and Com"	"2194-5357"@
2194-5357	"2194-5365"@	"urn:issn:2194-5365"@	"Advances in Intelligent Systems and Com"	"2194-5357"@

I am not able to extract the data for this "error" column as there are 2 literal values present for that object.

10)

```
SELECT
distinct ?x ?date ?pageEnd ?doi ?pageStart ?publisher ?endingPage ?title ?identifier ?creator ?is
PartOf ?sameAs
WHERE {?x rdf:type owl:NamedIndividual ; <http://purl.org/dc/terms/date> ?date ;
      <http://purl.org/ontology/bibo/pageEnd> ?pageEnd ;
      <http://purl.org/ontology/bibo/doi> ?doi ;
      <http://purl.org/ontology/bibo/pageStart> ?pageStart ;
      <http://purl.org/dc/terms/publisher> ?publisher ;
      <http://prismstandard.org/namespaces/basic/2.1/endingPage> ?endingPage ;
      <http://purl.org/dc/terms/title> ?title ;
      <http://purl.org/dc/terms/identifier> ?identifier;
      <http://purl.org/dc/terms/creator> ?creator;
      <http://purl.org/dc/terms/isPartOf> ?isPartOf ; owl:sameAs ?sameAs.
      }
```

x	date	pageEnd	doi	pageStart	publisher	endingPage	title	identifier	creator	isPartOf	sameAs
978-3-319-47952-1_30	"2016"^^<http://396"@	"10.1007/978"383"@	"Springer Internation:"396"@	"Implementation of Adap"10.1007/978-3-319-k-ramar-27e4b5j6wxqs4	2194-5357	978-3-319-47					
978-3-319-47952-1_30	"2016"^^<http://396"@	"10.1007/978"383"@	"Springer Internation:"396"@	"Implementation of Adap"10.1007/978-3-319-r-renjitha-27e4b5j6wxqs4	2194-5357	978-3-319-47					
978-3-319-47952-1_30	"2016"^^<http://396"@	"10.1007/978"383"@	"Springer Internation:"396"@	"Implementation of Adap"10.1007/978-3-319-s-subbulakshmi-27e4b5j6wxqs4	2194-5357	978-3-319-47					
978-3-319-47952-1_30	"2016"^^<http://396"@	"10.1007/978"383"@	"Springer Internation:"396"@	"Implementation of Adap"10.1007/978-3-319-t-u-sreedevi-27e4b5j6wxqs4	2194-5357	978-3-319-47					

1. Where { { { union { } } }

11)

SELECT

distinct ?x ?date ?pageEnd ?doi ?pageStart ?publisher ?endingPage ?title ?identifier ?creator ?isPartOf ?sameAs ?title\_Journal ?s ?issn ?name ?familyName ?givenName

WHERE{

{?x rdf:type owl:NamedIndividual ; <http://purl.org/dc/terms/date> ?date ;  
<http://purl.org/ontology/bibo/pageEnd> ?pageEnd ; <http://purl.org/ontology/bibo/doi> ?doi ;  
<http://purl.org/ontology/bibo/pageStart> ?pageStart ;  
<http://purl.org/dc/terms/publisher> ?publisher ;  
<http://prismstandard.org/namespaces/basic/2.1/endingPage> ?endingPage ;  
<http://purl.org/dc/terms/title> ?title ;  
<http://purl.org/dc/terms/identifier> ?identifier; <http://purl.org/dc/terms/creator> ?creator;  
<http://purl.org/dc/terms/isPartOf> ?isPartOf ; owl:sameAs ?sameAs. }

UNION {?x rdf:type <http://purl.org/ontology/bibo/Journal> , owl:NamedIndividual ;  
<http://prismstandard.org/namespaces/basic/2.1/issn> ?issn ; owl:sameAs ?s ;  
<http://purl.org/dc/terms/title> ?title\_Journal . }

UNION { ?x rdf:type owl:NamedIndividual ,<http://xmlns.com/foaf/0.1/Person>;  
<http://xmlns.com/foaf/0.1/name> ?name ;<http://xmlns.com/foaf/0.1/familyName> ?familyName ;  
<http://xmlns.com/foaf/0.1/givenName> ?givenName . }  
}

x	date	pageEnd	doi	pageStart	publisher	endingPage	title	identifier	creator	isPartOf	sameAs	title_Journal	s	issn	name	familyName	givenName
978-3-319--"2016"^^<"396"@"	"10.1007/9"383"@"	"Springer In"396"@"	"Implement"10.1007/9/k-ramar-27/2194-5357	978-3-319--													
978-3-319--"2016"^^<"396"@"	"10.1007/9"383"@"	"Springer In"396"@"	"Implement"10.1007/9/r-renjitha-2/2194-5357	978-3-319--													
978-3-319--"2016"^^<"396"@"	"10.1007/9"383"@"	"Springer In"396"@"	"Implement"10.1007/9/s-subbulak2194-5357	978-3-319--													
978-3-319--"2016"^^<"396"@"	"10.1007/9"383"@"	"Springer In"396"@"	"Implement"10.1007/9/t-u-sreedev2194-5357	978-3-319--													
2194-5357																	
2194-5357																	
2194-5357																	
2194-5357																	
s-subbulaks																	
k-ramar-27																	
t-u-sreedev																	
r-renjitha-2																	

12)

SELECT distinct ?x ?creator ?title\_Journal ?issn ?name ?familyName ?givenName

WHERE{ ?x rdf:type <http://purl.org/ontology/bibo/Journal> , owl:NamedIndividual ;

<http://prismstandard.org/namespaces/basic/2.1/issn> ?issn ;

<http://purl.org/dc/terms/title> ?title\_Journal .

OPTIONAL { ?creator rdf:type owl:NamedIndividual ,<http://xmlns.com/foaf/0.1/Person>;

<http://xmlns.com/foaf/0.1/name> ?name ;<http://xmlns.com/foaf/0.1/familyName> ?familyName ;

<http://xmlns.com/foaf/0.1/givenName> ?givenName .}}

x	creator	title_Journal	issn	name	familyName	givenName
2194-5357	s-subbulakshmi-27e4b5j6wxs4	"Advances in Intelligent Systems and Computing"@"	"2194-5357"@"	"S. Subbulakshmi"@"	"Subbulakshmi"@"	"S."@"
2194-5357	k-ramar-27e4b5j6wxs4	"Advances in Intelligent Systems and Computing"@"	"2194-5357"@"	"K. Ramar"@"	"Ramar"@"	"K."@"
2194-5357	t-u-sreedevi-27e4b5j6wxs4	"Advances in Intelligent Systems and Computing"@"	"2194-5357"@"	"T. U. Sreedevi"@"	"Sreedevi"@"	"T. U."@"
2194-5357	r-renjitha-27e4b5j6wxs4	"Advances in Intelligent Systems and Computing"@"	"2194-5357"@"	"R. Renjitha"@"	"Renjitha"@"	"R."@"
2194-5357	s-subbulakshmi-27e4b5j6wxs4	"Advances in Intelligent Systems and Computing"@"	"2194-5365"@"	"S. Subbulakshmi"@"	"Subbulakshmi"@"	"S."@"
2194-5357	k-ramar-27e4b5j6wxs4	"Advances in Intelligent Systems and Computing"@"	"2194-5365"@"	"K. Ramar"@"	"Ramar"@"	"K."@"
2194-5357	t-u-sreedevi-27e4b5j6wxs4	"Advances in Intelligent Systems and Computing"@"	"2194-5365"@"	"T. U. Sreedevi"@"	"Sreedevi"@"	"T. U."@"
2194-5357	r-renjitha-27e4b5j6wxs4	"Advances in Intelligent Systems and Computing"@"	"2194-5365"@"	"R. Renjitha"@"	"Renjitha"@"	"R."@"

.. Where { .. .. . optional { . } }

[https://link.springer.com/chapter/10.1007%2F978-3-319-47952-1\\_30](https://link.springer.com/chapter/10.1007%2F978-3-319-47952-1_30)

```
D:\rdfs-xml file extraction from web>curl -o curl -L -H "Accept: text/turtle" http://dx.doi.org/10.1007/978-3-030-45093-9_17
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total     Spent    Left      Speed
  0     0    0     0     0     0      0     0  --:--:-- --:--:-- --:--:--    0
100 233 100 233     0    233     0 0:00:01 --:--:-- 0:00:01    0
100 2177 100 2177     0    1088     0 0:00:02 0:00:02 --:--:-- 5348

D:\rdfs-xml file extraction from web>curl -o curl -L -H "Accept: text/turtle" http://dx.doi.org/10.1007/978-3-319-47952-1_30
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total     Spent    Left      Speed
  0     0    0     0     0     0      0     0  --:--:-- --:--:-- --:--:--    0
100 233 100 233     0    233     0 0:00:01 --:--:-- 0:00:01 233
100 3330 100 3330     0    1665     0 0:00:02 0:00:02 --:--:-- 3043
```





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## Implementation of Adaptive Framework and WS Ontology for Improving QoS in Recommendation of WS

Authors Authors and affiliations

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Conference paper

First Online: 18 September 2016

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### Abstract

With the advent of more users accessing internet for information retrieval, researchers are more focused in creating system for recommendation of web service(WS) which minimize the