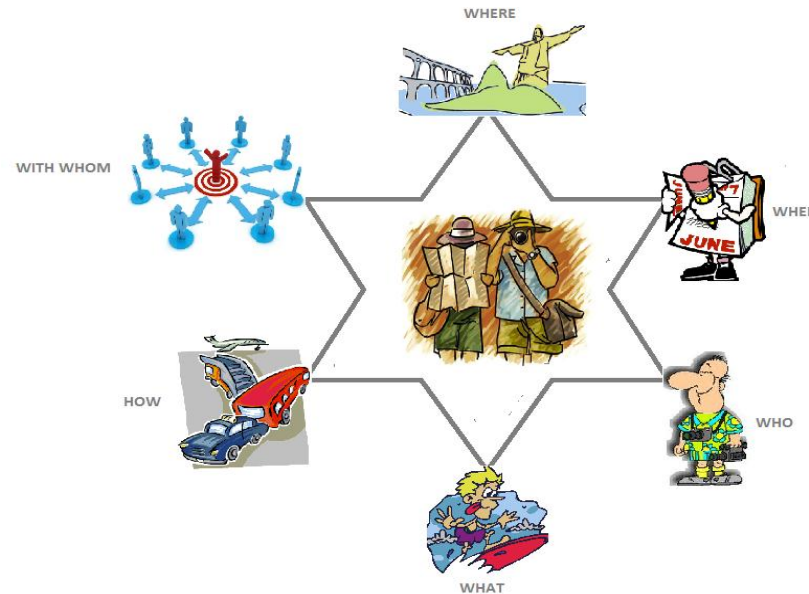# E-TOURISM RECOMENDER

Susana R. de Novoa

ONTOLOGY OVERVIEW

The e-tourism ontology was built to answer the main questions that can be asked when we are on holidays: Where, When, Who, What, How, With Whom:

- **Who:** User profile and preferences.

- **Where:** Where are the interesting places to see and visit located.

- **When:** When can the tourist visit a particular place. This includes the day of the week and the atmospheric and sea conditions.

- **What:** What can a tourist see, visit and do.

- **How:** Options of transport that they are available

- **With Whom:** Social component of the user, with whom he/she wants to share his/her activities.

WHO?

WHERE?

WHEN?

WHAT?

HOW?

WITH WHOM?

FOAF

1 Generate the .rdf file: http://www.ldodds.com/foaf/foaf-a-matic

← → C ⟳ www.ldodds.com/foaf/foaf-a-matic

Si tiene comentarios acerca de esta aplicación, u otras preguntas acerca de FOAF, por que no se une a la lista de correo RDFWeb-dev?

Actualización: Actualmente estoy escribiendo FOAF-a-Matic Mark 2 una aplicación de escritorio para crear y administrar sus datos FOAF.

Los Formularios

Personal

Información acerca de usted, y como pueden contactarlo.

Titulo (Sr, Sra, Dr, etc)	Sra
Nombre/s	Susana
Apellido	Rodriguez
Apodo	yemanya
Su Dirección de Email	
Homepage	
Su Foto	
Teléfono	

Trabajo

Información acerca de su lugar de trabajo.

Homepage del Trabajo	
Página describiendo su trabajo	

Escuela

¿A que escuela fue?

Homepage de su Escuela	

Gente Que Conoce

Informele a FOAF-a-matic acerca de la gente que conoce. Presione "Agregar Amigo" para agregar espacio para agregar más gente.
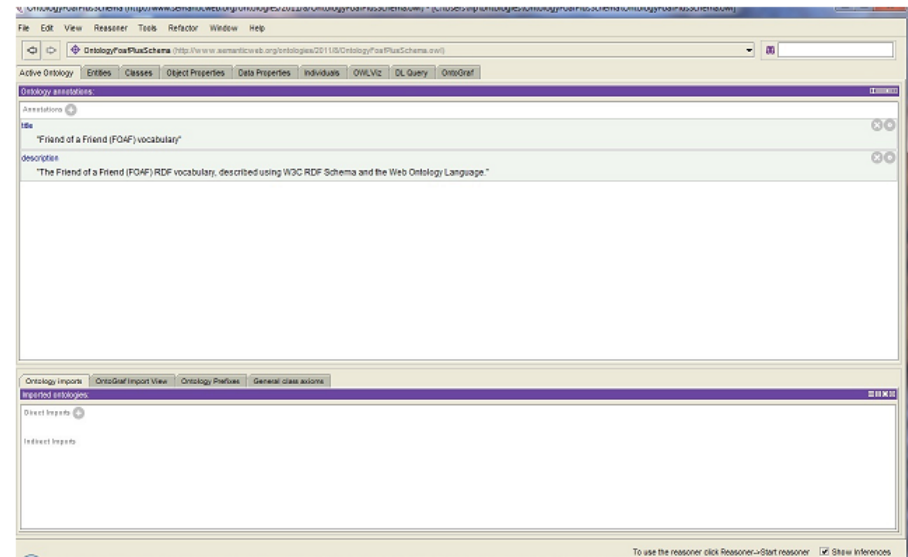
Amigo-- Nombre	Email	Ver Tambien
Amigo-- Nombre	Email	Ver Tambien
Amigo-- Nombre	Email	Ver Tambien

Agregar Amigo

2 Open Protege_4.1

3 Open OWL Ontology and select the file created with FOAF-a-Matic

4 Import the file downloaded from http://xmlns.com/foaf/spec/index.rdf
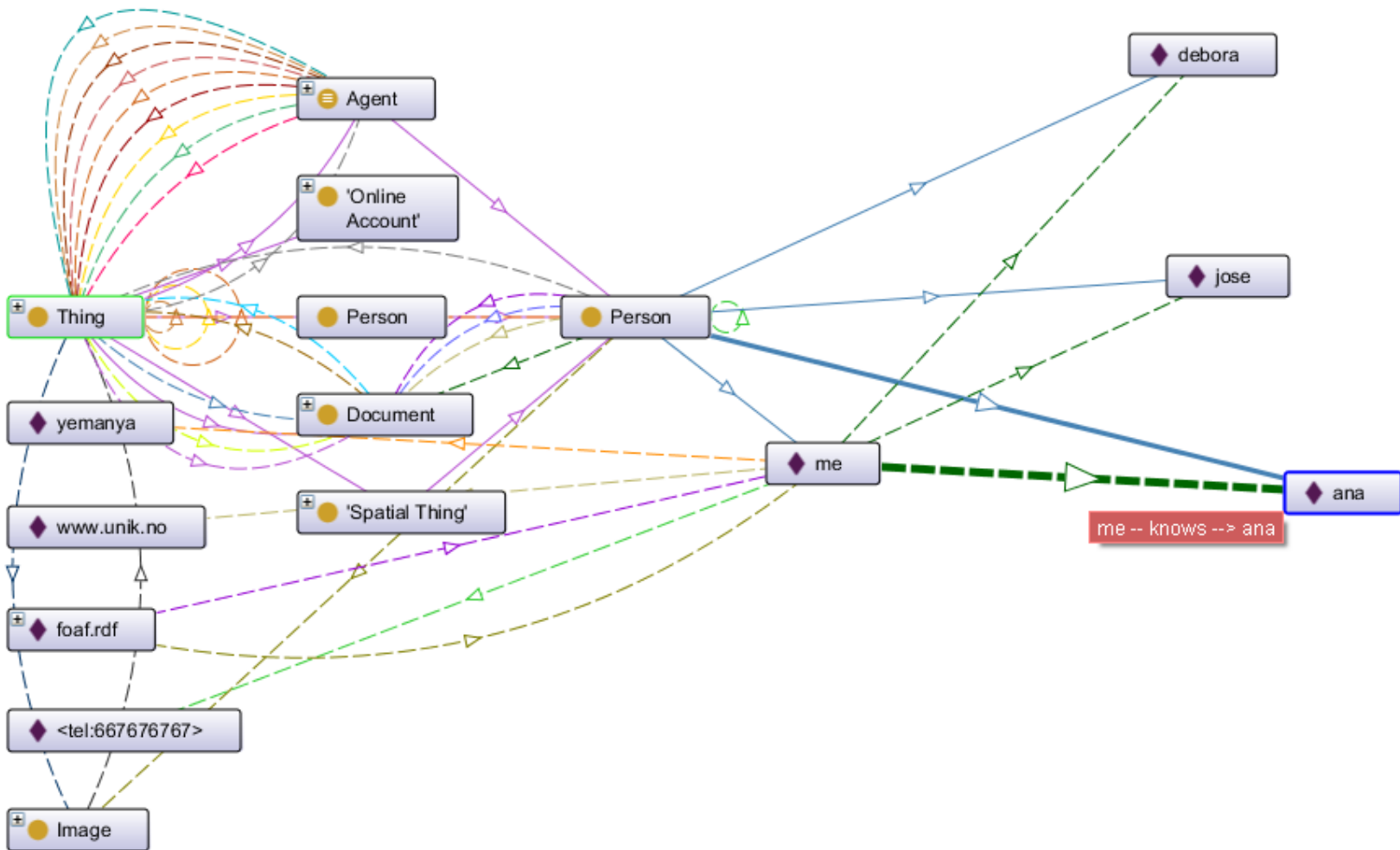
5 Now in protege, go to Refactor–>Merge Ontologies.

6 Go to Refactor -> Merge Ontologies again, and Add my ontology "E-Tourism"

FOAF SCHEMA

SPARQL & FOAF

PELLET & SWOOP

1 Install SWOOP: http://www.mindswap.org/2004/SWOOP/downloads/

2 Install Java Webstart: http://docs.oracle.com/javase/6/docs/technotes/guides/javaws/

3 Add ontology:

4 Check inconsistences:

Conclusions

- You need Protege 4.1 for merging ontologies.

- You can check the ontology inconsistences if you install «Swoop». It includes «Pellet reasoner».

- Incorrect answers when you are creating rules. Sometimes you have to close/re-open Protege for running a new rule.

REFERENCES & MATERIAL

- Protege 4.1

- Protege 3.4.8

- Swoop

- Java Webstart

- Swoop:http://www.mindswap.org/2004/SWOOP/media/

- SPARQL:http://www.slideshare.net/ldodds/sparql-tutorial

THANK YOU ☺